Company Name: Con Edison
Case Description:
Case: 08-E-0539

Response to DPS Interrogatories – Set DPS4
Date of Response: 05/30/2008
Responding Witness: Infrastructure Investment Panel

Question No. :40
Subject: Historic System/Transmission, Substation, and Electric Operations Capital and O&M Spending - 1. Provide electronically a spreadsheet (in Excel) of forecasted budgets and actual expenditures for all categories and associated line items within Company Exhibits __ (IIP-2, 3, 4, 5, 6, 7, and 9) from 2003 through 2008. This should include budgeted amounts for 2008 and actual spending to date for 2008.

Response:
The attached schedule provides historical data for T&D capital which covers the period 2004 to 2007, the total expenditures for 2003 (the 2003 data is unavailable by program) and the O&M historical expenditures by program. The second attachment covers the 2008 year to date expenditures through April.

Note: O&M responses are based on programs listed in the exhibit, not total O&M budget and actual spend.

Consolidated Edison Company of New York, Inc.
2008 Capital Electric T&D Program Update
($Millions)

Description	2008 Forecast	April 2008 Year to Date Actual	April 2008 Year to Date Variation	2008 Rate Case
TRANSMISSION AND SWITCHING STATIONS	$ 203	$ 21	$ (4)	$ 239
SUBSTATIONS AND SUB-TRANSMISSION*	$ 526	$ 151	$ 33	$ 628
ELECTRIC DISTRIBUTION	$ 930	$ 365	$ (35)	$ 982
SUB - TOTAL ELECTRIC T&D	$ 1,659	$ 536	$ (5)	$ 1,850
ELECTRIC PRODUCTION	$ 36	$ 7	$ 5	$ 35
TOTAL ELECTRIC	$ 1,695	$ 543	$ (1)	$ 1,885

* Substations and Sub-Transmission Subtotal includes Distribution Unit Substations

Redacted

APPENDIX 1

TRANSMISSION AND SWITCHING STATIONS
2008 CAPITAL PROGRAMS AND PROJECTS

SYSTEM & TRANSMISSION OPERATIONS
CAPITAL PROJECTS - 2008
(000's)

DRAFT
Confidential

LOCATION	DESCRIPTION	2008 Forecast	April 08 YTD Forecast	April 08 YTD Actual	April 08 YTD Variation	2008 Variation Explanations +/- 15%	2008 Rate Case
	Total - System Operations	**14,900**	**4,000**	**2,888**	**(1,112)**		**14,900**
VARIOUS	TRANSMISSION FEEDER FAILURES/UPGRADES	5,000	1,250	396	(854)		5,000
	Total - Failures	**5,000**	**1,250**	**396**	**(854)**		**5,000**
VARIOUS	DYNAMIC FEEDER RATING - 345kV FDRS PHASE II	1,000	-	152	152		1,000
EAST 13TH ST	LOAD POCKET	-	-	-	-		36,400
VARIOUS	OTHER	-	-		-		-
	Total - Load Relief	**1,000**	**0**	**152**	**152**		**37,400**
VARIOUS	DEC PROGRAM LINE (STOP JOINTS, CURRENT RECTIFIERS)	1,750	-	5	5		1,750
	Total - Environmental	**1,750**	**0**	**5**	**5**		**1,750**
179TH ST	REINFORCEMENT - M29	143,000	14,150	12,362	(1,788)		143,000
	SPRAINBROOK BAY 6	-	-	136	136		-
VARIOUS	POTHEAD ALARM PROGRAM	500	50	238	188		500
MILLWOOD	REPLACE WOOD POLES W/STEEL POLES	4,000	2,750	2,772	22		4,000
VARIOUS	LP FEEDERS 69M43/4 REPLACEMENTS	3,700	1,950	1,605	(345)		3,700
VERNON - W49TH ST.	38M72 UPGRADE	4,200	-		-		4,200
VARIOUS	REPLACE 138KV FDRS 18001 & 18002	5,000	-		-		5,000
VARIOUS	RECONDUCTOR DUNWOODIE-SPRAINBROOK TRANSMISSION CORRIDOR	2,000	-		-		2,000
	REINFORCE HUDSON RIVER CROSSING	2,400	-		-		2,400
VARIOUS	EMERGENT TRANSMISSION RELIABILITY	5,000	-		-		5,000
SPRAINBROOK-W49TH ST	FEEDER M51	6,700	-		-		6,700
VARIOUS	OTHER	-	-	6	6		-
	Total - Reliability & Feeder Replacement	**176,500**	**18,900**	**17,119**	**(1,781)**		**176,500**
	Total - Security				**0**		
STATEN ISLAND	M LINE TOWER RELOCATION	1,500	-	-	-		1,500
	OTHER	-	-	14	14		-
	Total - Interference	**1,500**	**0**	**14**	**14**		**1,500**
VARIOUS	FAA AIRCRAFT WARNING LIGHT & CONTROL SYSTEM	-	-	-	-		-
VARIOUS	UPGRADE 345KV OVERHEAD STRUCTURES	2,100	-	-	-		2,100
VARIOUS	OTHER	-	-		-		-
	Total - Other	**2,100**	**0**	**0**	**0**		**2,100**
	Grand Total	**202,750**	**24,150**	**20,574**	**(3,576)**		**239,150**
	Total - System Operations	**14,900**	**4,000**	**2,888**	**(1,112)**		**14,900**
	Total - Transmission Operations	**187,850**	**20,150**	**17,686**	**(2,464)**		**224,250**

APPENDIX 2

SUBSTATIONS AND SUBTRANSMISSION 2008 CAPITAL PROGRAMS AND PROJECTS

SUBSTATION OPERATIONS

CAPITAL PROJECTS - 2008

(000's)

DRAFT Confidential

	DESCRIPTION	2008 Forecast	April 08 YTD Forecast	April 08 YTD Actual	April 08 YTD Variation	2008 Variation Explanations +/- 15%	2008 Rate Case
VARIOUS	LAND ACQUISITION FOR FUTURE NEW SUBSTATIONS	8,000	-		-		144000
BENSONHURST	INSTALL FIFTH TRANSF, 138KV FDR AND COOLING PLANT	1,500	-	646	646		0
WOODROW	INSTALL FIFTH TRANSFORMER AND FRESH KILLS EXPAND 138kV STATION	16,500	1,250	2,179	929		15000
BUCHANAN	INSTALL NEW 13KV SWGR AND FDR POSITIONS	-	-		-		0
ASTOR	ESTBLISH NEW SUBSTATION	33,000	11,000	16,427	5,427		33000
CEDAR ST	THIRD TRANSFORMER AND 138KV FEEDER	2,400	800	738	(62)		2400
PARK VIEW	ESTABLISH NEW AREA STATION	93,750	51,000	61,609	10,609		64864
ROCKVIEW	ESTABLISH NEW AREA SUBSTATION	18,000	10,000	12,490	2,490		15400
MOTT HAVEN	ESTABLISH NEW SUBSTATION	8,000	1,200	2,450	1,250		8000
VARIOUS	TRANSFORMER COOLING	1,000	-		-		1000
FOX HILLS	TWO NEW FEEDER POSITIONS	3,000	1,200	1,524	324		1600
YORK	ESTABLISH NEW AREA SUBSTATION	79,000	3,500	5,578	2,078		79000
NEWTOWN	ESTABLISH NEW SUBSTATION	59,000	2,800	4,269	1,469		59000
VARIOUS	EMERGENT LOAD RELIEF	3,000	400	418	18		3000
FRESH KILLS	INSTALL CAP BANK	2,000	60		(60)		2000
VARIOUS	OTHER PROJECTS	-		260	260		-
	TOTAL - LOAD RELIEF	**$ 328,150**	**$ 83,210**	**$ 108,588**	**$ 25,378**		**$ 428,264**
	TOTAL - GENERATION INTERCONNECTION	**$ 5,000**	**$ -**	**$ 141**	**$ 141**		**$ 5,000**
	TOTAL - SECURITY	**$ 6,100**	**$ 280**	**$ 342**	**$ 62**		**$ 6,100**
	TOTAL - RELIABILITY	**$ 125,385**	**$ 22,085**	**$ 30,937**	**$ 8,852**		**$ 125,385**
	TOTAL - FAILURES	**$ 22,700**	**$ 5,430**	**$ 4,076**	**$ (1,354)**		**$ 22,700**
	TOTAL - ENVIRONMENTAL	**$ 13,500**	**$ 2,700**	**$ 2,971**	**$ 269**		**$ 13,500**
	TOTAL - ESU07 - OTHER PROJECTS	**$ 4,910**	**$ 770**	**$ 1,153**	**$ 383**		**$ 4,910**
	TOTAL - ESU03 - SUBSTATION OPERATIONS	0	0	0	-		0
	TOTAL - SMALL CAPITAL & OTHER	**$ 10,910**	**$ 1,856**	**$ 1,808**	**$ (48)**		**$ 10,910**
	TOTAL - SUBSTATION OPERATIONS	**$ 511,745**	**$ 115,561**	**$ 148,861**	**$ 33,298**		**$ 611,859**

Redacted

APPENDIX 3

ELECTRIC DISTRIBUTION
2008 CAPITAL PROGRAMS AND PROJECTS

Electric Distribution Capital Programs and Projects

April 2008 Capital Budget Performance	April '08 YTD			
Description	Actual	Forecast	Variation	Variation Explanation
New Business	$59,201	$50,384	$8,817	The month and year to date overrun is primarily due to increased activity in small new business projects (Under $100K) as well as accellerated schedules on major projects such as 401 Cathedral Pkwy, Parkview Substation, 230 Riverside Dr, 140 E 45th St, 18
Burnouts - Emergency Response				
Primary Cable Replacement	19,435	14,165	5,270	The year to date over run is due to higher than anticipated number of units.
Overhead	5,420	3,201	2,219	The month and year to date over run is due to additional units in Brooklyn/Queens and Bronx/Westchester.
-Temporary Services (incl. conduit)	7,222	5,971	1,251	The monthand year to date over run is due to additional services and related conduit.
-Street Lights (incl. conduit)	6,679	5,483	1,196	The month and year to date over runs are due to additional conventional and streetlight services and increased unit costs.
Equipment Replacement	0	5	(5)	
Transformer Installation - Banks Off	6,916	8,079	(1,163)	The year to date under run is due to less units required and unit cost lower than anticipated.
Total Burnouts/Emergency Response (excl ED-2)	$45,673	$36,904	$8,769	
Distribution Load Transfers - Area Substations	25,729	34,140	(8,411)	The underrun is primarily due to delayed starts and re-scheduling on several load transfers such as 179th Mott Haven, Elmsford Refurbishment, Cable Crossing (XW Riverdale & BQ Flusing), Astor (Herald Sq. Transfer), offset by an accelerated schedule on Gra
Distribution Load Relief				
Primary Feeders	29,685	29,423	262	The month and year to date over runs are due to higher than anticipated number of units.
Network/Non Network Transformers	32,359	42,582	(10,223)	The year to date underrun is primarily due to ramping up for summer preparation work in all Regions.
NonNetwork Fdr Relief (Open Wire)	7,454	6,925	529	
4 kV Feeder & Wire Relief	9,700	5,876	3,824	The month and year to date over runs are due to accelerated work.
Overhead Transformer Relief	152	100	52	
Secondary Main Relief	279	691	(412)	The month and year to date under runs are primarily due to Manhatten deferring work until later in the year to accommodate higher priority items.
Total Distribution Load Relief	$79,629	$85,597	($5,968)	

OH Enhancement				
Overhead Reliability	$951	$1,165	(214)	
Underground Reliability Programs				
HiPot/Oil Minders	1,316	2,574	(1,258)	The year to date under run is due to fewer units than budgeted.
PILC	8,242	13,945	(5,703)	The month and year to date under runs are due to fewer sections including conduit than budgeted.
Vented Manhole Cover	1,367	1,601	(234)	Total number of units to be completed in 2008 has been reduced.
4 kV Substations - Reliability	20	112	(92)	The year to date under run is due to work being deferred to accommodate higher priority projects.
4 kV UG Reliability	489	0	489	
Underground Secondary Reliability Program	9,999	14,225	(4,226)	The month and year to date under runs are due to fewer y-Layouts than anticipated in Manhattan offset by CFRs over budget in Brooklyn/Queens related to surge in inspections.
-Secondary Open Mains (incl, conduit)	38,140	34,071	4,069	The year to date over run is due to additional mains and associated conduit and work to reduce the open mains backlog.
Overhead Secondary Reliability Program	0	0	0	
Remote Monitoring Transmit Meters Pressure Temperature/Oil	4,826	6,078	(1,252)	
Targeted Primary DBC Replacement	1,308	937	371	The year to date over run is due to completion of 33R07/08 in Staten Island.
Coastal Storm Risk Mitigation	0	1,255	(1,255)	The month and year to date under runs are due to this work being deferred to accommodate higher priority projects.
Other Reliability	188	3,529	(3,341)	The month and year to date under runs are primarily due to postponement of the 4kV cable program in Brooklyn/Queens.
System Reinforcement IT Projects	3,189	$5,860	(2,671)	The month and year to date under runs are due to this work being deferred to accommodate higher priority projects.
Total System Reinforcement	175,395	$205,089	($29,694)	
Interference	$9,352	$13,125	(3,773)	Expenditures less than anticipated on MED-584B Madison Avenue due to mobilization slower than anticipated and the Papal visit causing project start up delays. Also slippage and lower than anticipated expenditures on the following projects; HWM-2012 Duffy
Distribution Substation				
Load Relief	1,579	2,044	(465)	
Environmental	21	0	21	
Modernization and Other	85	75	10	
Distribution Unit Substations	$1,685	$2,119	($434)	
Subtotal Electric Distribution	$291,306	$307,621	($16,315)	
Transformers/Meter Devices	73,728	78,231	(4,503)	The underrun is primarily due to ramping up for summer preparation work in all Regions. In addition, we are purchasing more reconditioned and remanufactured protectors which has lowered our unit cost.
Total Electric Distribution Capital Programs and Projects	$365,034	$385,852	($20,818)	
Telecommunications Applications	$0	$336	(336)	
Common	1,252	2,835	(1,583)	The month and year to date under runs are due to this work being deferred to accommodate higher priority projects.
Total Common	$1,252	$2,835	($1,583)	
Total Electric Operations	$364,601	$386,904	($22,303)	

Redacted

Exhibit ___ (SIIP-1)
Page 9 of 896

ELECTRIC OPERATIONS - 2008 CAPITAL							
Engineering & Planning					Year to Date March 2008		
Description	**2008 Approved**	**2008 Re-prioritized**	**2008 PSC**	**Variation 2008 Approved vs 2008 PSC**	**2008 YTD Actual**	**2008 YTD Approved Budget**	**Variation Actual to Budget**
IT Projects - Common (XC)							
Meter Shop ADAMS	1,250	1,000	750	(500)	0	200	(200)
Integrated Route Sheet	1,000	1,000	500	(500)	0	100	(100)
Transformer Asset Mgmt.	1,000	1,000	750	(250)	0	100	(100)
4kV Load Shedding System	150	150	150	0	(1)	0	(1)
ATS Automation (USA Monitoring)	150	0	0	(150)	0	0	0
Energy Services VRU and Work Management System				0	274	0	274
Energy Services CSR Automation	600	600	600	0		#N/A	#N/A
Power Quality (PQ) System Upgrade	1,650	1,650	1,150	(500)	0	250	(250)
SCADA Systems Consolidation	1,500	1,500	1,250	(250)	0	250	(250)
Electric Mobile Dispatch & Extention Mobile Dispatch to Construction	1,700	1,200	1,200	(500)	1	300	(299)
Equipment Analysis Group (IT Initiative)	600	0	0	(600)	0	100	(100)
Wireless Support for Electric Operations	869	869	519	(350)	0	100	(100)
Electric Distribution Control Center Upgrades	5,000	3,000	2,000	(3,000)	0	500	(500)
Mapping System Upgrades	4,000	2,000	1,000	(3,000)	0	0	0
All Other Previous Yrs. Carry Over IT Projects				0	0	0	0
IT Projects - Common (XC)	**19,469**	**13,969**	**9,869**	**(9,600)**	**275**	**#N/A**	**#N/A**
System Reinforcement Technology Projects							
Secondary Visualization Model	5,200	4,000	2,900	(2,300)	594	1,000	(406)
Secondary Monitoring (Secondary Model Validation)	10,400	2,000	2,000	(8,400)	0	1,800	(1,800)
System Trouble Analysis and Response (STAR)	500	1,000	1,000	500	684	0	684
Distribution Engineering Workstation (DEW)				0	133	0	133
Graphical Secondary (AKA PVL Maintenance Tool)				0	38	0	38
Pole Attachment Project (PAA) [Development of a Master Pole-Ownership Database]	1,400	1,400	1,050	(350)	25	290	(265)
Grid Optimization - Reinforcement Learning	1,800	919	900	(900)	0	#N/A	#N/A
Integrated System Model (ISM) - Process Management	3,000	2,000	1,750	(1,250)	0	#N/A	#N/A
Decision Aids - Real Time Analysis	1,500	1,500	1,500	0	0	250	(250)
Accounting by Network (COM13 in CARE)	350	1,000	1,000	650	188	0	188
Area Profile System (COM13 in CARE)	100	100	100	0	21	0	21
Joint Pole Use Software	450	450	450	0	0	0	0
High Tension Monitoring Data Acquisition System (HTMDAS)	500	500	500	0	0	0	0
NWT Failure Analysis - Polytechnic	489	489	0	(489)	0	0	0
Development of a New Database for Street Furniture				0	(5)	0	(5)
Safety StandDown FMS system				0	0	0	0
Overhead Inventory Data System (incl data collection)				0	0	0	0
Streetlight Inventory Data System (Includes Data Collection)				0	(5)	0	(5)
Underground Inventory Data System				0	(3)	0	(3)
Grid Optimization (2007)				0	0	0	0
Decision Aids (2007)		250	250	250	439	0	439
ISM Improved Business Efficiency (2007)		250	475	475	609	0	609
Integrated System Model (ISM) - Manhattan				0	(41)	0	(41)
HUD Response to 9A & 12B - Install Visual System Platform		1,000	1,000	1,000	162	0	162
Remote Monitoring Transmit Meters Pressure Temperature/Oil	13,840	13,840	11,040	(2,800)	2,221	2,800	(579)
System Reinforcement Technology Projects	**39,529**	**30,698**	**25,915**	**(13,614)**	**5,060**	**#N/A**	**#N/A**
System Reinforcement Technology Projects Less RMS	**25,689**	**16,858**	**14,875**	**(10,814)**	**2,839**	**#N/A**	**#N/A**
Vented Manhole Covers Program							
Bronx Vented Manhole Program					102	0	102
Westchester Vented Manhole Program					9	0	9
Brooklyn Vented Manhole Program					32	0	32
Queens Vented Manhole Program					101	0	101
Manhattan Vented Manhole Program					639	1401	-762
Staten Island Vented Manhole Program					-1	0	-1
Vented Manhole Covers Program	**8,000**	**3,000**	**3,000**	**(5,000)**	**882**	**1,401**	**(519)**
Vented Service Box Covers Program	15,665	15,665	10,000	**(5,665)**	196	1915	-1719
Total Vented Manhole & Service Box Covers Program	**23,665**	**18,665**	**13,000**	**(10,665)**	**1,078**	**3,316**	**(2,238)**

CONSOLIDATED EDISON COMPANY OF NEW YORK, INC.
ELECTRIC OPERATIONS O&M PROGRAMS

Title	$000s											
	Actual 2003	Budget 2003	Actual 2004	Budget 2004	Actual 2005	Budget 2005	Actual 2006	Budget 2006	Actual 2007	Budget 2007	Actual Thru April 2008	Budget 2008
Support Economic Growth	**$0**	**$0**	**$0**	**$0**	**$0**	**$0**	**$0**	**$0**	**$0**	**$0**	**$0**	**$833**
Customer Focused Service Ruling Program	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$183
SMART Electric Technologies - new program	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$444
500 MW DSM Monitoring & Verification	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0
500 MW DSM Market Research Support	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0
500 MW DSM Program Administration	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0
500 MW DSM Training	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0
500 MW DSM Website Development	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0
Commerical Service Representative Automation	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$206
System and Component Performance	**$6,695**	**$8,088**	**$7,537**	**$7,538**	**$8,138**	**$10,631**	**$9,827**	**$8,392**	**$10,663**	**$9,197**	**$3,404**	**$12,088**
Unit Substation repairs and inspection	$1,234	$2,132	$1,461	$1,886	$2,205	$1,790	$1,866	$2,618	$2,022	$2,400	$782	$3,378
Automatic Transfer Switch Operator Replacement	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$675
RMS Response Group	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0
Electrical Engineering Support - Man	$2,537	$2,632	$2,986	$2,748	$3,111	$3,195	$3,607	$3,195	$3,601	$2,582	$1,107	$3,390
O&M Vault Repairs - Man	$240	$200	$568	$465	$819	$422	$2,307	$345	$2,591	$1,235	$544	$1,730
Maintenance associated with capital work (Network Reliability)	$2,684	$3,124	$2,522	$2,439	$2,004	$5,224	$2,047	$2,234	$2,449	$2,980	$971	$2,915
Public Safety and Environmental	**$847**	**$1,244**	**$14,363**	**$1,050**	**$12,416**	**$13,984**	**$18,894**	**$14,602**	**$27,730**	**$21,752**	**$15,697**	**$62,874**
Dissolved Gas in Oil Analysis (DGOA)	$0	$0	$0	$0	$501	$0	$400	$733	$351	$600	$132	$263
5 Year OH Inspection Program	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$1,347
5-Year UG Structure Inspection Program	$807	$1,194	$12,101	$1,000	$7,057	$8,721	$8,442	$5,048	$10,500	$10,552	$8,778	$34,957
Annual Stray Voltage Testing Program	$0	$0	$2,260	$0	$2,409	$5,263	$5,297	$5,400	$5,520	$6,800	$1,601	$8,663
Electric Distribution Inspection System (EDIS) Improvements	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$23
Mobile Stray Voltage Testing - Sarnoff devices	$0	$0	$0	$0	$2,226	$0	$4,592	$3,200	$11,221	$3,700	$4,304	$14,720
Network Transformer vault cleaning program	$40	$50	$2	$50	$223	$0	$163	$221	$139	$100	$83	$0
Central Quality Assurance	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$799	$2,901
Storm Hardening and Response	**$9,158**	**$9,677**	**$9,919**	**$9,828**	**$12,218**	**$14,064**	**$18,826**	**$13,743**	**$24,074**	**$15,822**	**$8,474**	**$27,074**
Customer Response Program	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$313
Danger Tree Removal	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0
3-Phase Gang Switch Inspection and Repair program	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0
Line Clearance Program	$7,005	$6,132	$6,699	$6,723	$7,284	$6,815	$10,092	$7,285	$13,529	$9,493	$5,285	$16,278
Overhead Planning Group	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0
Double Wood program	$0	$0	$0	$0	$900	$1,269	$475	$900	$1,286	$900	$0	$2,348
Rear Lot Pole Elimination	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$330
Maintenance associated with capital work (Non-network Reliability)	$2,153	$3,545	$3,220	$3,105	$4,034	$5,980	$8,259	$5,558	$9,259	$5,429	$3,189	$7,805
Process Improvement	**$2,189**	**$3,000**	**$2,574**	**$3,251**	**$2,097**	**$2,326**	**$1,518**	**$1,477**	**$1,409**	**$1,493**	**$860**	**$3,216**
Area System Profile Program	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$75
Technical Support/NYC Regulatory Liaison Program	$0	$0	$0	$0	$0	$0	$72	$54	$114	$132	$90	$224
Field Auditing & Quality Control Program	$0	$0	$136	$152	$114	$103	$228	$147	$223	$256	$174	$436
NAICS Code Append	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$38
Establishment of a Regional Contractor Oversight / Review Group	$0	$0	$0	$0	$0	$0	$30	$0	$91	$0	$92	$335
Electric Operations Process Management - EOPM	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$107	$593
Engineering Contractor -Vendor Layouts	$0	$0	$91	$36	$253	$108	$377	$230	$289	$180	$100	$497
Enhanced Project Planning	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0
Electric Distribution Equipment Reconditioning & Repairs	$2,189	$3,000	$2,347	$3,063	$1,730	$2,115	$811	$1,046	$692	$925	$297	$1,018
Accounting By Network	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0
Mapping System Upgrade - IT	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0
COOP's	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0
Senior Civil Engineers	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0
Staffing Additions - DE	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0
Programming resources for Electric Operations Applications – FIN Team	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0
Maintenance associated with capital work (Engineering & other services)	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0
Total of Programs Listed Above for Electric Operations O&M	**$18,889**	**$22,009**	**$34,393**	**$21,667**	**$34,869**	**$41,005**	**$49,065**	**$38,214**	**$63,876**	**$48,264**	**$28,434**	**$106,085**

CONSOLIDATED EDISON COMPANY OF NEW YORK, INC.
SUBSTATION OPERATIONS O&M PROGRAMS

	$000s											
	2003		2004		2005		2006		2007		2008	
	Actual	Budget	Actual	Budget	Actual	Budget	Actual	Budget	Actual	Budget	April YTD Actual	Budget
Program Description												
Support Economic Growth	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ 315	$ 388	$ 289	$ 4,701
SSO Staffing - New Facilities	-	-	-	-	-	-	-	-	315	388	289	4,701
Sub-Total	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ 315	$ 388	$ 289	$ 4,701
System and Component Performance	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ 635	$ 970	$ 563	$ 4,331
Bus Enclosure									550	970	415	365
Corrective Maintenance Normalization	-	-	-	-	-	-	-	-	-	-	-	-
Dynamic Feeder Rating System	-	-	-	-	-	-	-	-	85	-	11	165
Field Operation Trainers	-	-	-	-	-	-	-	-	-	-	-	153
Operator Staffing Augmentation for Existing Facilities	-	-	-	-	-	-	-	-	-	-	137	1,648
Structural Integrity / Station Betterment	-	-	-	-	-	-	-	-	-	-	-	2,000
Sub-Total	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ 635	$ 970	$ 563	$ 4,331
Public Safety and Environmental	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ 189	$ 365	$ 137	$ 555
SF6 Gas Emissions Reduction Program	-	-	-	-	-	-	-	-	76	-	-	200
Flame Retardant Clothing	-	-	-	-	-	-	-	-	113	365	137	355
Sub-Total	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ 189	$ 365	$ 137	$ 555
Advanced Technology	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ 751	$ 1,051	$ 160	$ 1,272
Telecommunications (Digital Fiber Optics/ System Expansion)	-	-	-	-	-	-	-	-	751	985	160	480
Advanced Control Systems Group	-	-	-	-	-	-	-	-	-	66	-	792
Sub-Total	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ 751	$ 1,051	$ 160	$ 1,272
Total of Programs Listed Above for Substation Operations	$0	$0	$0	$0	$0	$0	$0	$0	$1,890	$2,774	$1,149	$10,859

CONSOLIDATED EDISON COMPANY OF NEW YORK, INC.
SYSTEM & TRANSMISSION OPERATIONS O&M PROGRAMS

$000s

	2003		2004		2005		2006		2007		2008	
	Actual	Budget	Actual	Budget	Actual	Budget	Actual	Budget	Actual	Budget	April YTD Actual	Budget
SUPPORT ECONOMIC GROWTH	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ 100
Sequencing and Scheduling - Add 3rd District Operator (DO)	-	-	-	-	-	-	-	-	-	-	-	100
Sub-Total	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ 100
SYSTEM AND COMPONENT PERFORMANCE	$ 9,096	$ 4,526	$ 9,131	$ 7,490	$ 10,471	$ 11,280	$ 14,696	$ 11,742	$ 7,851	$ 11,214	$ 5,744	$ 12,156
Coating Refurbishment	-	-	-	-	915	1,003	999	1,003	473	794	42	1,000
Conductor Repairs	215	198	166	218	387	267	95	273	230	273	58	450
ECC facility maintenance costs	1,361	1,081	1,504	1,400	2,122	1,678	1,917	1,783	2,068	1,783	685	2,100
ECC Trainer / Compliance Monitor Position									-			-
Feeder Emergencies	7,187	2,643	6,709	5,183	6,234	7,541	11,444	7,890	4,808	7,890	4,809	7,640
Install Bird Discouragers on Selected Portions of P & F Line	-	-	-	-	-	-	-	-	-	-	-	270
Normalized Human Resources									-			-
Overhead Line Inspections	192	207	319	235	167	243	137	219	145	219	100	278
Tower Painting	(8)	397	149	279	244	308	1	309	-	140	-	140
Transmission Planning Studies	64	-	194	175	287	155	18	180	21	-	-	118
Transmission reliability - industry group fees	85	-	90	-	115	85	85	85	106	115	50	160
Sub-Total	9,096	4,526	9,131	7,490	10,471	11,280	14,696	11,742	7,851	11,214	5,744	12,156
PUBLIC SAFETY AND ENVIRONMENTAL	$ 379	$ 251	$ 437	$ 280	$ 473	$ 414	$ 370	$ 412	$ 453	$ 412	$ 58	$ 1,550
Manhole Inspections	379	251	437	280	473	414	370	412	453	412	53	950
PFT Patrols	-	-	-	-	-	-	-	-	-	-	5	600
Sub-Total	379	251	437	280	473	414	370	412	453	412	58	1,550
IMPROVE STORM RESPONSE	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ 700
Improve Overhead Transmission Restoration Capability	-	-	-	-	-	-	-	-	-	-	-	700
Sub-Total	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ 700
ADVANCED TECHNOLOGY	$ 3,708	$ 3,478	$ 3,647	$ 3,765	$ 3,628	$ 4,326	$ 3,895	$ 4,398	$ 4,750	$ 4,855	$ 1,667	$ 6,350
AECC equipment support and maintenance	-	-	-	-	-	-	-	-	102	100	36	400
Communications Infrastructure	3,683	3,388	3,446	3,600	3,436	4,148	3,800	4,220	4,557	4,625	1,593	5,100
NERC and EMS Training	25	90	201	165	192	178	95	178	91	130	38	150
New EMS system license maintenance	-	-	-	-	-	-	-	-	-	-	-	700
Sub-Total	$ 3,708	$ 3,478	$ 3,647	$ 3,765	$ 3,628	$ 4,326	$ 3,895	$ 4,398	$ 4,750	$ 4,855	$ 1,667	$ 6,350
PROCESS IMPROVEMENT	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ 625
1 Additional HR for NYISO functions	-	-	-	-	-	-	-	-	-	-	-	100
Conductor Cart Training	-	-	-	-	-	-	-	-	-	-	-	75
Live Line Maintenance Procedures	-	-	-	-	-	-	-	-	-	-	-	175
Training Specialist for TLM Training Programs	-	-	-	-	-	-	-	-	-	-	-	125
Update Plan and Profile Drawings	-	-	-	-	-	-	-	-	-	-	-	50
Training for Emergency CIG	-	-	-	-	-	-	-	-	-	-	-	100
Sub-Total	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ 625
Total of Programs Listed Above for System & Transmission Operations	$ 13,183	$ 8,255	$ 13,215	$ 11,535	$ 14,572	$ 16,020	$ 18,961	$ 16,552	$ 13,054	$ 16,481	$ 7,469	$ 21,481

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Consolidated Edison Company of New York, Inc.
Electric Operations Capital Program

($000)

DESCRIPTION	2004 Budget	2004 Actual	2005 Budget	2005 Actual	2006 Budget	2006 Actual	2007 Budget	2007 Actual	2008 Budget
Support Economic Growth	**$ 185,588**	**$ 181,912**	**$ 214,082**	**$ 235,149**	**$ 266,857**	**$ 316,403**	**$ 287,905**	**$ 379,752**	**$ 354,433**
New Business									
- New Business Capital	$ 87,192	$ 87,862	$ 101,794	$ 100,894	$ 101,629	$ 124,512	$ 102,092	$ 144,241	$ 137,000
- Meter Installation	$ 9,838	$ 10,213	$ 11,224	$ 16,600	$ 12,105	$ 17,701	$ 14,621	$ 19,412	$ 19,564
Sub-Total	**$ 97,030**	**$ 98,075**	**$ 113,018**	**$ 117,494**	**$ 113,734**	**$ 142,213**	**$ 116,713**	**$ 163,652**	**$ 156,564**
System Reinforcement Area SS Load Relief									
Bruckner 2008 8MX NY Post	$ -	$ -	$ -	$ -	$ -	$ -	$ 260	$ -	$ 200
Cedar Street 3rd Bank	$ -	$ -	$ -	$ -	$ -	$ -	$ 2,539	$ -	
White Plains to Rockview S/S	$ -	$ -	$ -	$ -	$ -	$ -		$ -	
Granite Hill to Rockview	$ -	$ -	$ -	$ -	$ -	$ -	$ 5,635	$ 5,351	$ 8,700
Newtown	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ 10,000
Astor (Herald Sq. Transfer)	$ -	$ -	$ -	$ -	$ -	$ -	$ 2,206	$ 1,089	$ 12,000
Parkview (East Harlem Network)	$ -	$ -	$ -	$ -	$ -	$ -	$ 12,000	$ 22,106	$ 14,000
Penn/Waterside	$ -	$ -	$ -	$ -	$ -	$ -	$ 1,500	$ -	$ 5,000
Fresh Kills Load Transfer Capability	$ -	$ -	$ -	$ -	$ -	$ -	$ 500	$ -	$ -
Randall's Island	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ 6,000
Various Load Transfers (2004-2009)	$ 22,064	$ 21,279	$ 20,317	$ 15,551	$ 40,222	$ 43,861	$ 23,867	$ 30,216	$ -
Sub-Total	**$ 22,064**	**$ 21,279**	**$ 20,317**	**$ 15,551**	**$ 40,222**	**$ 43,861**	**$ 48,507**	**$ 58,762**	**$ 55,900**
Base Growth / Relief									
Primary Feeder Relief	$ 20,196	$ 22,099	$ 24,179	$ 32,571	$ 38,487	$ 51,679	$ 39,194	$ 51,344	$ 43,493
Network Transformers Relief	$ 21,980	$ 19,314	$ 31,168	$ 38,917	$ 41,734	$ 45,865	$ 47,289	$ 60,121	$ 64,306
NonNetwork Fdr Relief (Open Wire)	$ -	$ -	$ 1,761	$ 1,854	$ 4,101	$ 3,851	$ 1,110	$ 1,277	$ 8,362
4 kV Feeder & Wire Relief	$ 3,876	$ 3,671	$ 5,374	$ 8,303	$ 7,101	$ 5,761	$ 11,595	$ 20,217	$ 7,249
Overhead Transformer Relief	$ -	$ -	$ -	$ -	$ -	$ -	$ 129	$ 380	$ 1,042
Secondary Main Relief	$ 3,942	$ 2,009	$ 2,000	$ 3,300	$ -	$ 2,418	$ 2,943	$ 1,701	$ 1,150
Sub-Total	**$ 49,994**	**$ 47,093**	**$ 64,482**	**$ 84,945**	**$ 91,423**	**$ 109,574**	**$ 102,260**	**$ 135,040**	**$ 125,602**
Distribution Substation									
Distribution Substation Load Relief	$ 8,200	$ 7,010	$ 5,550	$ 6,191	$ 9,400	$ 9,955	$ 8,425	$ 10,560	$ 4,400
Sub-Total	**$ 8,200**	**$ 7,010**	**$ 5,550**	**$ 6,191**	**$ 9,400**	**$ 9,955**	**$ 8,425**	**$ 10,560**	**$ 4,400**
Meter Purchase	**$ 8,300**	**$ 8,455**	**$ 10,715**	**$ 10,968**	**$ 12,078**	**$ 10,800**	**$ 12,000**	**$ 11,737**	**$ 11,967**
System and Component Performance	**$ 274,813**	**$ 302,752**	**$ 324,454**	**$ 366,207**	**$ 351,926**	**$ 447,624**	**$ 397,482**	**$ 499,252**	**$ 515,370**
Emergency Primary Cable Replacement	$ 63,050	$ 68,092	$ 31,336	$ 41,557	$ 34,752	$ 47,925	$ 37,920	$ 59,191	$ 57,547
Overhead	$ 6,627	$ 8,388	$ 6,181	$ 9,421	$ 8,049	$ 20,151	$ 7,197	$ 15,587	$ 15,353
Emergency Services Replacement	$ 15,198	$ 13,934	$ 13,615	$ 19,301	$ 16,478	$ 19,895	$ 15,748	$ 21,668	$ 20,115
Street Lights (incl. conduit)	$ 22,678	$ 24,449	$ 11,006	$ 18,547	$ 10,387	$ 16,926	$ 14,669	$ 15,215	$ 16,193
Transformer Installation	$ 37,640	$ 43,034	$ 27,994	$ 25,173	$ 21,885	$ 17,524	$ 21,565	$ 25,058	$ 25,171
(Primary) Cable Crossings									$ 3,135
HiPot	$ 5,050	$ 3,232	$ 6,930	$ 2,124	$ 5,250	$ 4,069	$ 6,835	$ 4,221	$ 3,310
PILC	$ 3,500	$ 3,979	$ 23,430	$ 21,969	$ 23,903	$ 23,818	$ 23,010	$ 19,743	$ 33,000
Transformer Remote Monitoring System	$ 5,945	$ 9,325	$ 8,032	$ 11,611	$ 11,959	$ 15,503	$ 23,723	$ 15,099	$ 17,845
SF_6 Switches	$ -	$ -	$ -	$ 1,357	$ 721	$ 2,077	$ 1,297	$ 2,057	$ 3,208
Underground Secondary Reliability Program	$ -	$ -	$ 67,706	$ 28,884	$ 68,315	$ 59,414	$ 63,859	$ 44,929	$ 42,434
Secondary Open Mains (incl. conduit)	$ 57,295	$ 63,688	$ 47,858	$ 104,918	$ 76,227	$ 118,841	$ 80,960	$ 138,976	$ 123,333
Grounding Transformers	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ 241	$ 1,226
Shunt reactors	$ -	$ -	$ -	$ -	$ -	$ -	$ 1,267	$ 404	$ 227
Network Reliability	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ 18,441
Coastal Storm Risk Mitigation	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ 3,000
Telecom	$ -	$ -	$ 3,000	$ 49	$ -	$ 28	$ 758	$ 89	$ -
Other Reliability	$ 480	$ 4,889	$ -	$ 79	$ -	$ 6	$ 1,299	$ 1,476	$ -
Transformer Purchase	**$ 56,600**	**$ 58,805**	**$ 71,916**	**$ 77,854**	**$ 74,000**	**$ 100,604**	**$ 94,000**	**$ 134,628**	**$ 125,592**
Sub-Total	**$ 274,063**	**$ 301,815**	**$ 319,004**	**$ 362,844**	**$ 351,926**	**$ 446,781**	**$ 394,107**	**$ 498,583**	**$ 509,130**
Distribution Substation Modernization									
Trip Coil Monitor	$ -	$ -	$ 450	$ -	$ -	$ -	$ -	$ -	$ 235
USS Automation	$ -	$ -	$ 150	$ 127		$ 87		$ (109)	$ 150
Facility Improvement Program	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ 725
Tap Changer Position Indicator System	$ -	$ -	$ 200	$ 44		$ 6	$ 250	$ (9)	$ 250
Temperature Gauges	$ -	$ -	$ 100	$ -	$ -	$ 3	$ 100	$ 27	$ 100
USS Transformer Replacement	$ -	$ -	$ -	$ -	$ -	$ -			$ 600
4Kv USS Switchgear Replacement	$ -	$ -	$ -	$ -	$ -	$ -	$ 2,200	$ 762	$ 2,200
USS Life Extension Program	$ -	$ -	$ 1,000	$ 819	$ -	$ -	$ -		$ 1,730
Auto Reclose On Bank Breakers	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ (2)	$ 250
Other Modernization (2004-2007)	$ 750	$ 937	$ 3,550	$ 2,373		$ 747	$ 825	$ -	$ -
Sub-Total	**$ 750**	**$ 937**	**$ 5,450**	**$ 3,363**	**$ -**	**$ 843**	**$ 3,375**	**$ 669**	**$ 6,240**

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Consolidated Edison Company of New York, Inc.
Electric Operations Capital Program

($000)

DESCRIPTION	2004 Budget	2004 Actual	2005 Budget	2005 Actual	2006 Budget	2006 Actual	2007 Budget	2007 Actual	2008 Budget
Public Safety and Environmental	**$ 994**	**$ 243**	**$ 10,500**	**$ 9,423**	**$ 8,729**	**$ 7,855**	**$ 8,400**	**$ 3,564**	**$ 9,200**
Oil Minders	$ 494	$ 240	$ 700	$ 759	$ 724	$ 475	$ 400	$ 484	$ 600
Vented Manhole Cover	$ 500	$ 3	$ 9,800	$ 8,664	$ 8,005	$ 7,380	$ 8,000	$ 3,081	$ 3,000
Tank Rupture Mitigation	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ 900
Network Transformer Natural Ester (FR3) program	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ 600
Street Light Isolation Transformers	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ 4,100
NWT Failure Analysis - Polytechnic	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
Total	**$ 994**	**$ 243**	**$ 10,500**	**$ 9,423**	**$ 8,729**	**$ 7,855**	**$ 8,400**	**$ 3,564**	**$ 9,200**
Storm Hardening and Response	**$ 58**	**$ 300**	**$ 7,930**	**$ 13,212**	**$ 6,651**	**$ 12,390**	**$ 16,781**	**$ 6,403**	**$ 19,145**
Osmose (C Truss)	$ -	$ -	$ 1,500	$ 215	$ 1,452	$ 734	$ 1,417	$ 972	$ 1,404
Anderson Switch Replacement	$ -	$ -				$ -	$ 50	$ 12	$ 63
Autoloop Reliability	$ -	$ -	$ 1,990	$ 496		$ 482	$ 3,945	$ 880	$ 4,975
Aerial (Okonite) Cable Replacement	$ -	$ -	$ 1,119	$ 758		$ 823	$ 1,850	$ 44	$ 500
#4,#6 Self Supporting Wire	$ -	$ 300	$ 1,150	$ 168		$ 352	$ 2,656	$ 1,207	$ 2,301
ESCO Switch Replacement (Kyle)	$ -	$ -	$ 770	$ 355	$ 196	$ 1,906	$ 1,368	$ 485	$ 2,000
4 kV Feeder Sectionalizing	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ 306
Overhead Feeder Reliability	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ 1,848
Enhanced 4 kV Grid Monitoring	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ 1,500
4 kV UG Reliability	$ 58		$ 201	$ 37	$ 1,953	$ 2,283	$ 2,237	$ 336	$ 611
Targeted Primary DBC Replacement	$ -	$ -	$ 1,200	$ 11,183	$ 3,050	$ 5,810	$ 3,258	$ 2,468	$ 2,588
ATS Installation USS Reliability XW	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ 1,050
Total	**$ 58**	**$ 300**	**$ 7,930**	**$ 13,212**	**$ 6,651**	**$ 12,390**	**$ 16,781**	**$ 6,403**	**$ 19,145**
Advanced Technology	**$ -**	**$ -**	**$ 550**	**$ 15,550**	**$ 10,142**	**$ 12,038**	**$ 8,790**	**$ 7,259**	**$ 21,425**
Secondary Visualization Model	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ 2,900
Secondary Monitoring (Secondary Model Validation)	$ -	$ -	$ -	$ 1,571	$ 4,000	$ 7,413	$ -	$ -	$ 2,000
System Trouble Analysis and Response (STAR)	$ -	$ -		$ 2,014	$ 1,700	$ 2,287	$ 1,550	$ 1,704	$ 1,000
Pole Attachment Project	$ -	$ -	$ -	$ -	$ -	$ -	$ 680	$ 921	$ 1,050
Grid Optimization (CALM)	$ -	$ -	$ -	$ -	$ -	$ -	$ 810	$ 66	$ 900
Integrated System Model	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ 649	$ 1,750
Decision Aids	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ 538	$ 2,225
Area Profile System	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ 340	$ 100
Joint Pole Use Software	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ 450
Heads Up Display									$ 1,000
High Tension Monitoring Data Acquisition System	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ 500
Meter Shop ADAMS	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ 750
Integrated Route Sheet (Work Management)	$ -	$ -	$ -	$ 494	$ -	$ -	$ -	$ -	$ 500
Transformer Asset Mgmt.	$ -	$ -			$ -	$ -	$ -	$ -	$ 750
4kV Load Shedding System	$ -	$ -	$ 250	$ 318	$ 300	$ 212	$ -	$ -	$ 150
ATS Automation	$ -	$ -	$ 300		$ 142	$ 107	$ -	$ -	$ -
Power Quality (PQNodes) System Upgrade	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ 1,150
SCADA Systems Consolidation	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ 1,250
Electric Distribution Control Center Upgrades	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ 2,000
Mapping System Upgrades	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ 1,000
Other IT Projects (2005-2007)	$ -	$ -	$ -	$ 11,153	$ 4,000	$ 2,019	$ 5,750	$ 3,041	$ -
Total	**$ -**	**$ -**	**$ 550**	**$ 15,550**	**$ 10,142**	**$ 12,038**	**$ 8,790**	**$ 7,259**	**$ 21,425**
Process Improvement	**$ -**	**$ -**	**$ 41,930**	**$ 31,121**	**$ 6,100**	**$ 3,076**	**$ 3,500**	**$ 2,589**	**$ 3,319**
Accounting by Network	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ 387	$ 1,000
Commercial Service RepresentativeAutomation									$ 600
Electric Mobile Dispatch & Extend to Construction	$ -	$ -	$ 3,000	$ 1,104	$ 3,000	$ 998	$ 700	$ 857	$ 1,200
Wireless Support for Electric Operations	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ 519
All other Common projects (2005-2009)	$ -	$ -	$ 38,930	$ 30,017	$ 3,100	$ 2,078	$ 2,800	$ 1,345	$ -
Total	**$ -**	**$ -**	**$ 41,930**	**$ 31,121**	**$ 6,100**	**$ 3,076**	**$ 3,500**	**$ 2,589**	**$ 3,319**
Sub - Total Distribution (Excluding Interference)	**$ 461,453**	**$ 485,207**	**$ 599,446**	**$ 670,662**	**$ 650,405**	**$ 799,386**	**$ 722,858**	**$ 898,820**	**$ 922,892**
Interference	**$ 20,843**	**$ 19,442**	**$ 23,000**	**$ 20,764**	**$ 21,900**	**$ 27,385**	**$ 31,300**	**$ 26,173**	**$ 30,900**
Total Distribution (Including Interference)	**$ 482,296**	**$ 504,649**	**$ 622,446**	**$ 691,426**	**$ 672,305**	**$ 826,771**	**$ 754,158**	**$ 924,993**	**$ 953,792**

*** Note Interference (exhibit TMG-2) and Coastal Storm Mitigation (EEPP-1) is not included in the IIP-5 exhibit. They are represented on their own exhibits. Also includes Unit Substations and Common.**

Redacted

Consolidated Edison Company of New York, Inc.
SUBSTATION OPERATIONS CAPITAL PROJECTS
DOLLARS ($000)

PROJECT DESCRIPTION	Project Service Date	2004		2005		2006		2007		2008
	DATE	Budget	Actual	Budget	Actual	Budget	Actual	Budget	Actual	Budget
Astor - Establish New Area Station	2009	20,000	14,815	17,000	11,479	17,300	19,267	59,000	55,926	33,000
Bensonhurst- Install Fifth Transformer	2006	18,000	17,116	17,750	22,229	-	1,423	500	515	1,500
Bensonhurst# 2- Install Transformer No.10	2006			-	-	2,000	309	5,000	1,244	-
Buchanan- Install New 13KV Swgr & Fdr Positions	2006			-	-	1,500	1,288	2,200	4,984	-
Cedar St. - Third Transformer and 138kv Feeder	2008			5,000	260	25,000	12,972	25,100	27,429	2,400
Corona- Install Transformer No.10										7,000
Elmsford - Install New Substation	2009			3,000	489	10,000	3,050	9,000	8,112	20,000
Emergent Load Relief Program	Program			-	-	-	-	8,000	1,288	3,000
Fox Hills - Install Two New Feeder Positions	2008			-	-	-	-	2,500	747	3,000
Glendale- Install Transfr & 138 KV Feeder	2006			5,500	13,114	5,172	6,451	-	(56)	-
Grasslands - Establish New Area Station	2005	32,000	33,417	3,500	7,632	-	-	-	109	-
Land Acquisition for Future New Substations	2011	(30,000)		-	2,500	34,500	37,409	12,400	7,450	5,000
Mohansic- Replace Two Transformers	-			-	-	2,000	-	-	-	-
Mott Haven - Establish 345 kV Switching & Area Station	2007	10,000	17,801	90,000	82,587	135,100	138,045	66,000	55,206	8,000
Murray Hill - Establish New Station	2004	32,000	39,419	-	3,412	-	-	-	(520)	-
Nevins St. - Establish New Area Station	2016			-	-	-	-	-	-	3,000
Newtown - Establish New Area Station	2011			-	-	-	-	-	8,850	59,000
Parkchester- Establish Three New 13KV Feeder Positions	2006			-	-	1,200	1,060	-	221	-
Parkview- Establish New Area Station	2008			30,000	6,243	39,000	33,751	105,000	106,198	93,750
Rockview - Establish New Area Substation	2008			20,000	9,455	12,000	15,222	47,000	55,327	18,000
Transformer Cooling	Program	900	348	500	143	500	1,007	1,700	560	1,000
Wainwright- 13KV Bus Upgrade	2006			-	-	1,300	511	-	17	-
Water St - Uprate Low Voltage Bus	2005			1,500	546	-	40	-	-	-
Water St - Install Fourth Transformer & Asst. Switchgear	2007			-	-	5,000	5,720	6,000	6,285	-
Woodrow - Install 3rd Transformer with 138kV Feeder	2010			4,000	(7)	5,000	114	15,000	7,898	16,500
York - Establish New Area Substation	2010			-	-	-	-	8,000	5,250	79,000
Other Projects		8,480	13,410	1,700	2,954	-	1,526	630	1,106	-
Install Series Reactor	TBD	24,430	27,144	4,000	12,083	-	(1,039)	-	(2,872)	-
TOTAL SUPPORT ECONOMIC GROWTH		**115,810**	**163,470**	**203,450**	**175,119**	**296,572**	**278,126**	**373,030**	**351,274**	**353,150**
EQUIPMENT										
Condition Based Monitoring/Sage Monitoring	Program		264	250	965	250	28	500	137	250
Obsolete 138kV Circuit Breaker Program	Program	2,500	2,230	2,400	2,944	2,600	2,308	7,400	5,279	7,700
Obsolete Circuit Switcher Replacement	Program	0	0	0	0	0	0	0	0	500
Replace 345kV Circuit Breaker	Program	3,000	7,541	4,000	5,603	6,000	7,407	8,830	10,309	7,000
Replace Disconnect Switches	Program		1,767	1,000	3,009	0	1,320	1,500	3,680	2,900
Replace Obsolete Transformers	Program		0	5,000	3,043	17,000	14,346	10,300	14,044	17,200
Replace Overdutied 13/27kV Circuit Breaker Programs	Program	1,000	9,018	6,030	6,927	10,490	10,955	8,590	9,483	8,800
Spare Equipment Other than Transformer	Program	-	-	1,500	3,609	1,500	1,621	1,500	1,649	1,500
Spare/Failed Transformer Program	Program	2,750	8,896	9,500	16,164	16,000	24,642	5,000	17,168	21,200
RELAY										
Control Cable Upgrade Program	Program	1,000	698	1,000	1,568	0	768	0	0	1,000
Modify Auto Underfrequency Loadshedding	Program	0	0	1,500	1,211	1,500	2,610	1,500	2,682	1,385
Reduce Fault Clearing Time	2008	0	0	0	0	0	1,188	7,500	5,201	5,200
Relay Modifications	Program	2,465	1,195	2,500	1,899	3,250	3,353	1,500	3,724	2,500
Upgrade Analog Circuits To Digital Fiber	Program	2,500	627	2,500	948	2,000	646	2,000	1,837	2,000
MISCELLANEOUS COMPONENTS										
Additional G&T Devices	Program	0	0	0	0	0	0	1,000	408	1,000
Area Substation Reliability	Program	0	(4)	4,000	5,545	5,000	7,753	6,500	7,959	8,500
Battery & Rectifier Replacement	Program	1,325	1,697	2,300	2,414	1,550	2,883	2,500	1,560	3,500
Capacitor Cable Upgrade Program	Program	0			0	2,000	153	1,000	1,246	3,000
Category Alarms	Program	500	18	1,000	813	1,000	502	-	736	2,250
Construct Relay Enclosure Houses	Program	0	0	0	409	0	111	-	-	1,500
Corona Settlement	2010	0	181	1,000	628	0	326		-	1,000
Diesels/Blackstart Restoration (Phase 2) - Upgrade Station L&P	Program	0	1,861	3,000	4,401	1,500	3,403	-	440	600
DFR/SER Upgrades	Program	-	1,825	-	748	-	23	-	-	-
Facility Upgrade	Program	0	2,203	1,000	1,244	-	1,214	1,000	3,025	6,000
Fire Protection Program	Program	0	0	0	0	0	658	2,000	4,481	500
High Voltage Test Sets	Program	0	0	0	0	0	0	-	-	6,500
Install 138kV Breakers 7 & 8 and Third Cap Bank - Jamaica	2008	0	0	0	0	2,000	1,018	5,000	5,549	3,000
New Maximo Upgrade	2009	0	0	0	0	0	0	-	-	400
Rapid Restore Enhancements- Mapping/Modeling System	Program	200	338	0	1,307	0	411	200	316	200
Reinforced Ground Grid	Program	0	0	0	0	0	0	1,000	310	500
Replace Auto Ground DSW w/Circ Switchers	Program	0	214	2,500	1,548	0	0	-	-	-
Revenue Metering Upgrade	Program	0	0	0	0	0	0	500	77	500
Roof Replacement	Program	1,000	1,898	1,192	2,800	3,000	1,236	3,500	861	3,000
Small Capital	Program	2,500	3,108	5,000	5,055	4,325	5,061	4,000	3,263	6,000
SOCCS - RTU Replacement	Program	0	0	0	0	1,000	0	1,000	1,252	3,000
Substation Automation	2011	0	0	1,305	0	2,000	1,340	-	-	2,000
Substation Automation - East River	2010	0	507	3,000	306	3,000	5,094	3,000	5,275	3,000
Substation Continuance - E179th Street	Program	0	0	0	0	1,600	1,323	-	-	-
Substation Continuance - E75th Street	Program	0	0	0	0	0	0	0	0	-
Substation Continuance - E63rd Street	Program	0	0	500	0	2,500	-	-	-	2,500
Substation Continuance - White Plains	2009	0	278	9,000	17,043	5,000	6,858	-	697	-
Substation Loss Contingency	2010	0	246	1,000	394	-	2	500	-	2,000
Switchgear Enclosure Upgrade Program	Program	0	0	500	0	500	0	-	-	500
Technology Improvements- Work Permit System, T1 Lines, Phase #1 Substation Central	Program	0	0	0	0	0	536	300	124	310
Upgrade 13kV L&P Transformer - Fresh Kills	2008	0	0	0	0	-	-	2,500	(1)	600
Other		1,900	4,637	17,573	7,606	1,000	5,370	1,000	2,861	-
TOTAL SYSTEM AND COMPONENT PERFORMANCE	-	**22,440**	**51,029**	**91,050**	**100,151**	**97,565**	**116,467**	**92,620**	**115,632**	**140,995**
SPCC Plan for Transmission Cable System	2008	0	0	1,500	0	1,000	0	1,000	1,098	500
Environmental Risk	Program	9,750	6,670	6,000	7,657	3,900	235	5,100	4,727	3,500
Pumping Plant Improvement	Program	3,000	3,049	3,000	7,424	5,545	7,136	3,400	3,362	8,500
PURS Supervisory Control & Data Acquisition	Program	0	-	0	0	1,000	5	2,000	-	1,000
TOTAL ENVIRONMENTAL		**12,750**	**9,719**	**10,500**	**15,081**	**11,445**	**7,376**	**11,500**	**9,187**	**13,500**
Security Enhancements	Program	-	-	-	-	-	-	500	11	4,100
TOTAL SECURITY		**-**	**-**	**-**	**-**	**-**	**-**	**500**	**11**	**4,100**
		151,000	**224,218**	**305,000**	**290,351**	**405,582**	**401,969**	**477,650**	**476,104**	**511,745**

Consolidated Edison Company of New York, Inc.
SYSTEM & TRANSMISSION
SYSTEM OPERATIONS CAPITAL PROJECTS

DOLLARS ($000)

Description	Category	2004		2005		2006		2007		2008
		Budget	Actual	Budget	Actual	Budget	Actual	Budget	Actual	Budget
Energy Management Systems (EMS)	Advanced Technology	$500	$270	$7,600	$5,718	$10,600	$6,838	$11,800	$9,303	$8,200
Work Management Systems	Advanced Technology	1150	1112	100	252	50	48	700	306	$700
EMS Continuance	Advanced Technology	200	210	0	25	200	48	100	1	$0
Operation Requirements (Online systems)	Advanced Technology	1,300	1,104	1,300	581	475	191	1,700	404	$2,000
District Operations Improvement	Advanced Technology	1175	1248	1700	398	450	500	550	553	$900
Bulk Power Improvements	Advanced Technology	280	94	500	164	0	0	0	0	$0
Facilities / Utilities Improvements	Other	670	625	1,700	255	150	-6	1,000	899	$3,100
Alternate Energy Control Center	Advanced Technology	0	0	0	2,919	10,000	12,317	400	1,238	$0
	TOTAL	$5,275	$4,663	$12,900	$10,312	$21,925	$19,936	$16,250	$12,704	$14,900

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Consolidated Edison Company of New York, Inc.
TRANMISSION OPERATIONS CAPITAL PROJECTS

DOLLARS ($000)

		2004		2005		2006		2007		
Description	Category	Budget	Actual	Budget	Actual	Budget	Actual	Budget	Actual	2008 Budget
ENVIRONMENTAL										
DEC Program Line	Environmental	1,750	1,361	1,750	2,482	1,480	1,355	1,750	1,127	1,750
System and Component Performance										
M-Line Tower Relocation	Interference	-	-	-	-	-	-	3,000	-	1,500
Transmission Feeder Failures	Feeder Failures	3,000	1,845	4,000	3,565	4,000	6,544	4,000	1,818	5,000
Reinforcement - Feeder M29	System Reliability	-	-	15,000	10,074	60,000	7,895	86,000	16,889	143,000
Feeder M51	System Reliability	-	-	-	-	-	-	-	-	6,700
Relocate Oil Line for M51/M52	System Reliability	1,400	517	-	-	-	-	-	-	-
Cable System Enhancement - Pothead Alarms	System Reliability	-	-	550	699	500	422	500	268	500
Millwood - Replace Wood Poles W/Steel Poles	System Reliability	-	-	1,350	672	2,000	1,819	4,150	5,663	4,000
Replace 69kv Feeders On QBB	System Reliability	-	-	14,000	-	10,000	-	-	-	-
Emergent Transmission Reliability	System Reliability	-	-	10,000	-	-	-	-	-	5,000
Feeder 38M72 Upgrade	System Reliability	-	-	-	-	-	-	-	-	4,200
Replace Feeder 69M43/44 With 38M53/54	Feeder Replacement	-	-	9,000	307	11,000	8,150	8,500	10,679	3,700
Replace 138kv Feeders 18001 & 18002	Feeder Replacement	-	-	-	-	-	-	-	-	5,000
Replace 38W02, 38W13 & 38W14	Feeder Replacement	8,750	5,561	9,800	7,940	8,100	4,622	-	135	-
Re-Conductor Dunwoodie – Sprain Brook Transmission Corridor - Feeders 99941/42	Feeder Replacement	-	-	-	-	-	-	-	-	2,000
Reinforce Hudson River Crossing Towers – Feeders Y88 And Y94	System Reliability	-	-	-	-	-	-	-	-	2,400
Upgrade Overhead 345kv Transmission Structures	System Reliability	-	-	-	-	-	-	2,000	-	2,100
Replace Feeder 99032	System Reliability	12,000	6,081	-	8,794	-	-	-	(18)	-
Sprainbrook Bay 6	System Reliability	-	-	-	-	-	2,442	4,000	2,682	-
Various projects	Other	817	183	7,150	2,158	3,100	2,954	1,600	2,559	-
SUPPORT ECONOMIC GROWTH										
Re-Conductor Feeders 38B01 – 38B04	Load Relief	1,000	114	-	1,737	3,900	5,351	4,200	3,671	-
Relocate Feeders 38B12/14	Load Relief	2,332	2,238	-				-	-	-
Rainey Cooling Plant	Load Relief	-	-	7,000	(21)	-	-	-	-	-
Replace Limiting Cable & Install Press Plant	Load Relief	-	-	-	7,251	-	-	-	21	-
Relocate Feeders 45/46 at ER	Load Relief	3,400	3,196	-	-	-	-	-	-	-
Dynamic Feeder Rating	Load Relief	2,300	1,616	500	932	-	229	1,000	997	1,000
	TOTAL	$36,749	$22,712	$80,100	$46,590	$104,080	$41,783	$120,700	$46,491	$187,850

Consolidated Edison Company of New York, Inc.
Electric T&D Capital Expenditures 2003 -2007 and Projected Forecast 2008
(Millions of $)

	2003		2004		2005		2006		2007		2008
	Budget	Actual	Budget	Actual	Budget	Actual	Budget	Actual	Budget	Actual	Rate Case
ELECTRIC											
Transmission & Switching Stations	20	22	42	27	93	57	126	62	137	59	203
Substations & Sub-Transmission	182	226	151	224	305	290	406	402	478	476	512
Transmission Subtotal	$ 202	$ 248	$ 193	$ 252	$ 398	$ 347	$ 532	$ 464	$ 615	$ 535	$ 714
**Distribution	320	408	461	485	599	671	650	799	723	899	954
Transmission & Distribution Total	522	656	654	737	997	1,018	1,182	1,263	1,337	1,434	1,668

**Note Interference (exhibit TMG-2) is not included in the IIP-6 exhibit. They are represented on their own exhibits.
Distribution also includes Unit Substations and Common.

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Company Name: Con Edison
Case Description:
Case: 08-E-0539

Response to DPS Interrogatories – Set DPS5
Date of Response: 06/04/08
Responding Witness: Infrastructure Investment Panel

Question No. :49
Subject: Storm Hardening and Response – Autoloop Reliability - 1. Provide the unit price, quantity, and further breakdown of the O&M and Capital forecasted funding for the entire seven years of this program. This should be separated into three areas: 27 kV Autoloop, SI URD Tie Points, and B/W 3rd Feeder. 2. Provide the ten year load growth forecast for the autoloops in this proposal. 3. Provide the past five years of load growth for the autoloops in this proposal. 4. Provide the seven year work schedule that should include the 27 kV autoloop projects, URD tie point, and B/W third feeder start and end date. 5. How was the order of this work schedule determined by the Company?

RESPONSE:
1. The table below has the forecasted funding broken down by program by year. Additionally, the sub-programs are broken down further to the estimated quantities of major units.

	27 Autoloops Coney Island Whitestone	3rd Feeder	URD Ties	TOTAL	27 Autoloops Laurel Hills	3rd Feeder	URD Ties	TOTAL	27 Autoloops Marine Park	3rd Feeder	URD Ties	TOTAL	27 Autoloops Gravesend	3rd Feeder	URD Ties	TOTAL
	2009				2010				2011				2012			
FORECASTED EXPENSE	$5,926	$1,200	$250	$7,376	$5,909	$1,200	$250	$7,359	$6,078	$1,200	$250	$7,528	$6,000	$1,200	$250	$7,450
Prano 1 - Poles	47	12	1	60	44	12	1	57	48	12	1	61	40	12	1	53
Prano 2 - Primary OH Spans	225		16	241	246		16	262	195		16	211	150		16	166
Prano 6 - UG Conduit	5541		1173	6714	7679		1173	8852	8489		1173	9662	7872		1173	9045
Prano 7 Structures	55			55	47			47	50			50	55			55
Prano 9 - UG Primary Sections	80		3	83	93		3	96	90		3	93	95		3	98
Primary open wire		65		65		65		65		65		65		65		65
VRS		10		10		10		10		10		10		10		10
Aerial		23		23		23		23		23		23		23		23
OH Transformer	15	3		18	15	3		18	15	3		18	15	3		18
Switches	17		2	19	17		2	19	17		2	19	17		2	19

	27 Autoloops Dyker	3rd Feeder	URD Ties	TOTAL	27 Autoloops Midwood	3rd Feeder	URD Ties	TOTAL	27 Autoloops	3rd Feeder	URD Ties	TOTAL
	2013				2014				2015			
FORECASTED EXPENSE	$6,000	$1,200	$300	$7,500	$5,500	$1,200	$400	$7,100	$0	$1,200	$200	$1,200
Prano 1 - Poles	42	?	2	44	60	?	2	62	0	?	1	1

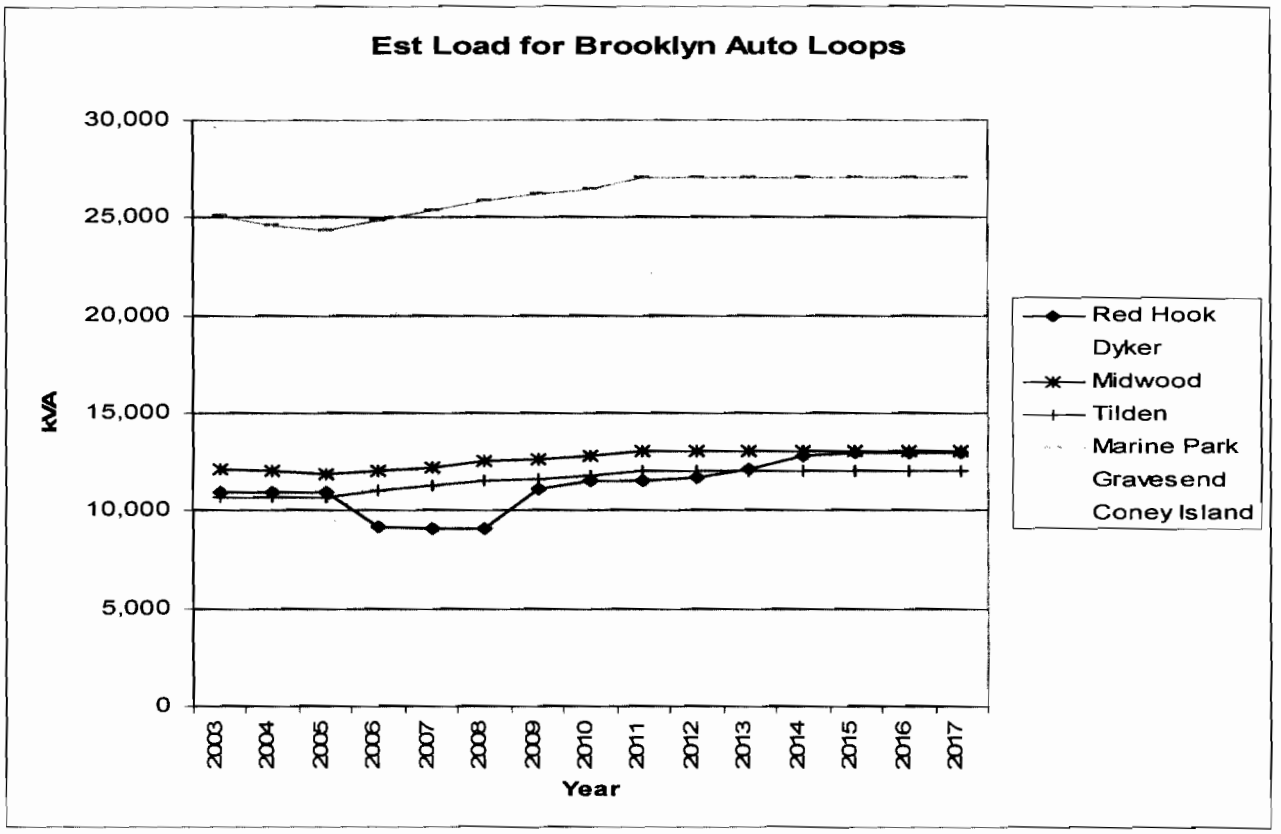
Prano 2 - Primary OH Spans	186		19	205	225		25	250	0		16	16
Prano 6 - UG Conduit	8270		487	8757	6705		649	7354	0		1173	1173
Prano 7 Structures	50			50	48			48	0			0
Prano 9 - UG Primary Sections	92		10	102	75		14	89	0		3	3
Primary open wire		?		0		?		0	0	?		0
VRS		?		0		?		0	0	?		0
Aerial		?		0		?		0	0	?		0
OH Transformer	15	?		15	15	?		15	0	?		0
Switches	17		2	19	17		2	19	0		2	2

* URD tie funding is based on the average proposed job. $ is multiplied by 1000.

2, 3. The attached schedules provide the past five year historical load growth and the ten year load growth forecast for the proposed autoloops:

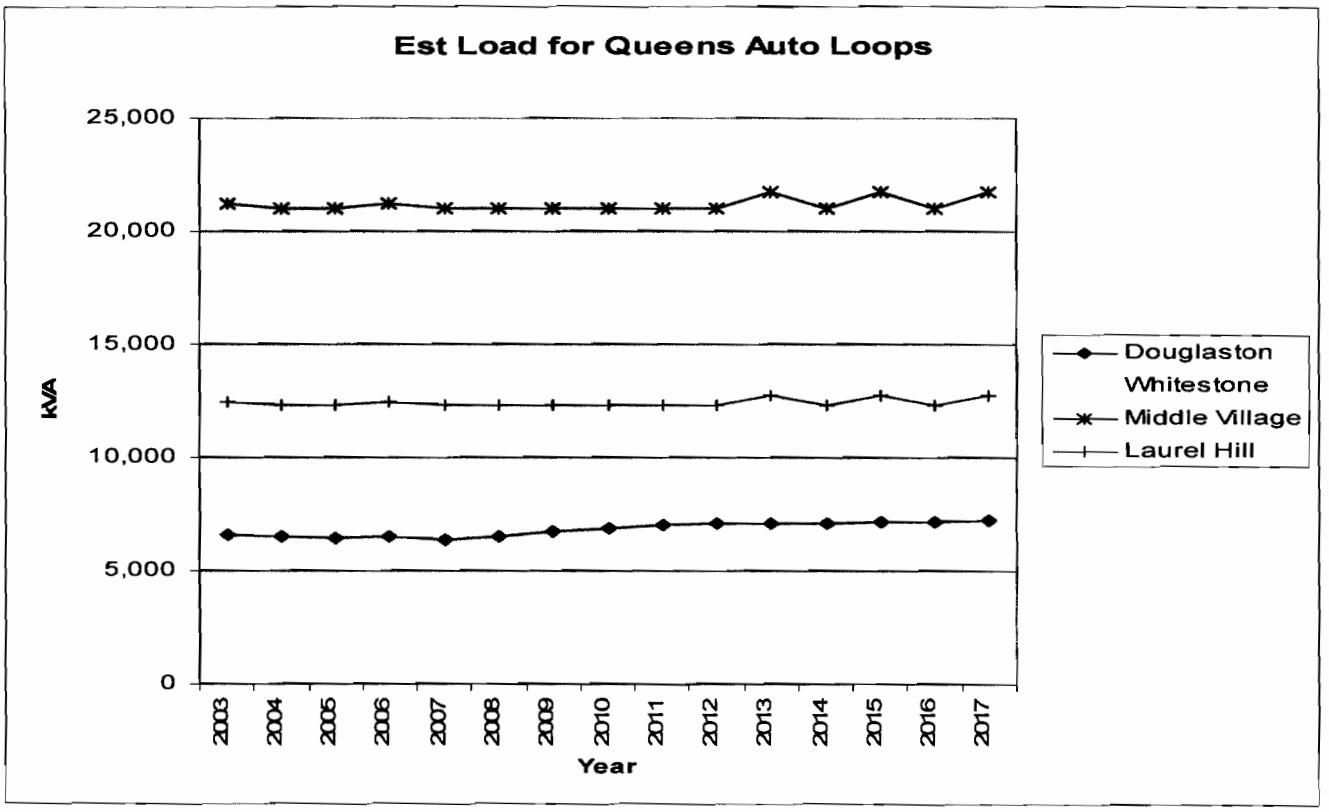
Brooklyn:

ESTIMATED LOAD (kVA) for Brooklyn Auto Loops															
	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017
Red Hook	10,966	10,966	10,966	9,187	9,070	9,070	11,131	11,544	11,544	11,750	12,162	12,780	12,987	12,987	12,987
		0.0%	0.0%	-16.2%	-1.3%	0.0%	22.7%	3.7%	0.0%	1.8%	3.5%	5.1%	1.6%	0.0%	0.0%
Dyker	22,476	22,251	22,029	22,249	22,694	23,775	23,775	23,775	23,775	23,775	23,775	23,775	23,775	23,775	23,775
		-1.0%	-1.0%	1.0%	2.0%	4.8%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Midwood	12,137	12,015	11,895	12,014	12,254	12,526	12,662	12,799	13,071	13,071	13,071	13,071	13,071	13,071	13,071
		-1.0%	-1.0%	1.0%	2.0%	2.2%	1.1%	1.1%	2.1%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Tilden	10,673	10,673	10,673	11,052	11,273	11,524	11,649	11,774	12,025	12,025	12,025	12,025	12,025	12,025	12,025
		0.0%	0.0%	3.6%	2.0%	2.2%	1.1%	1.1%	2.1%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Marine Park	25,088	24,586	24,340	24,827	25,324	25,887	26,168	26,450	27,012	27,012	27,012	27,012	27,012	27,012	27,012
		-2.0%	-1.0%	2.0%	2.0%	2.2%	1.1%	1.1%	2.1%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Gravesend	21,625	21,192	20,980	21,400	21,828	22,313	22,556	22,798	23,283	23,283	23,283	23,283	23,283	23,283	23,283
		-2.0%	-1.0%	2.0%	2.0%	2.2%	1.1%	1.1%	2.1%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Coney Island	16,799	16,631	16,464	16,629	16,962	17,339	17,527	17,716	18,093	18,093	18,093	18,093	18,093	18,093	18,093
		-1.0%	-1.0%	1.0%	2.0%	2.2%	1.1%	1.1%	2.1%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%



Queens:

ESTIMATED LOAD (kVA) for Queens Auto Loops															
	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017
Douglaston	6,612	6,546	6,480	6,545	6,348	6,523	6,730	6,889	7,016	7,080	7,112	7,128	7,143	7,159	7,239
		-1.0%	-1.0%	1.0%	-3.0%	2.8%	3.2%	2.4%	1.8%	0.9%	0.4%	0.2%	0.2%	0.2%	1.1%
Whitestone	8,110	8,029	7,949	8,028	7,787	8,002	8,255	8,451	8,607	8,685	8,724	8,743	8,763	8,782	8,880
		-1.0%	-1.0%	1.0%	-3.0%	2.8%	3.2%	2.4%	1.8%	0.9%	0.4%	0.2%	0.2%	0.2%	1.1%
Middle Village	21,257	21,045	21,045	21,255	21,030	21,030	21,030	21,030	21,030	21,030	21,731	21,030	21,731	21,030	21,731
		-1.0%	0.0%	1.0%	-1.1%	0.0%	0.0%	0.0%	0.0%	0.0%	3.3%	-3.2%	3.3%	-3.2%	3.3%
Laurel Hill	12,479	12,354	12,354	12,478	12,346	12,346	12,346	12,346	12,346	12,346	12,758	12,346	12,758	12,346	12,758
		-1.0%	0.0%	1.0%	-1.1%	0.0%	0.0%	0.0%	0.0%	0.0%	3.3%	-3.2%	3.3%	-3.2%	3.3%



Staten Island:

ESTIMATED LOAD (kVA) for Staten Island Auto Loops where URD ties are proposed														
	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016
2R13	N/A	N/A	New feeder (2006)	1810	1838	1866	1892	1919	1945	1963	1972	1998	2025	2034
3R32L	9602	7384	9032	8463	8011	8496	8587	8587	8677	8677	8767	8767	8858	8858
4R74L	4509	4159	4531	4772	4297	4549	4595	4641	4687	4733	4779	4825	4825	4871
5R15	4879	6179	7775	7364	7752	7805	7870	7999	8063	8128	8192	8321	8450	8579
5R17	8208	6612	10055	10374	9690	10057	10140	10307	10390	10473	10556	10722	10888	11055
5R23	8208	7752	9508	9211	8824	8987	9061	9210	9284	9358	9433	9581	9730	9878

4. Seven Year Work Schedule - Autoloops

27KV Autoloop System Redesign

Units		Prano	2008 Middle Village	2009 Coney Island	2010 Laurel Hill	2011 Marine Park	2012 Gravesend	2013 Dyker	2014 Midwood
	Poles	01	38	47	44	48	40	42	60
	Sections	02	75	75	82	65	50	62	75
	Spans	02	225	225	246	195	150	186	225
	Conduit	06	5,080	5,541	7,679	8,489	7,872	8,270	6,705

	Structures	07	62	55	47	50	55	50	48
	Primary	09	78	80	93	90	95	92	75
	-Reclosers		5	5	5	5	5	5	5
	-Transformers		15	15	15	15	15	15	15
	-Kyle Switches		12	12	12	12	12	12	12
	Equip	19	32	32	32	32	32	32	32
	Unit Installation	40	32	32	32	32	32	32	32
			Douglaston	Whitestone					
	-Reclosers		4	4					
	-Transformers		13	13					
	Equip	19	17	17					
	Unit Installation	40	34	34					
	Unit Cost	Prano							
Cost Detail	9,000	01	342,000	423,000	396,000	432,000	360,000	378,000	540,000
		02							
	1,100	02	247,500	247,500	270,600	214,500	165,000	204,600	247,500
	230	06	1,168,400	1,274,430	1,766,170	1,952,470	1,810,560	1,902,100	1,542,150
	19,000	07	1,178,000	1,045,000	893,000	950,000	1,045,000	950,000	912,000
	18,048	09	1,407,744	1,443,840	1,678,464	1,624,320	1,714,560	1,660,416	1,353,600
Average Equip Unit Cost	22,000	19	704,000	704,000	704,000	704,000	704,000	704,000	704,000
	6,275	40	200,800	200,800	200,800	200,800	200,800	200,800	200,800
			5,248,444	5,338,570	5,909,034	6,078,090	5,999,920	5,999,916	5,500,050
			Douglaston	Whitestone					
Unit Cost of Equipment	22,000	19	374,000	374,000					
	6,275	40	213,350	213,350					
			587,350	587,350					
Total BQ Program Cost			**5,835,794**	**5,925,920**	**5,909,034**	**6,078,090**	**5,999,920**	**5,999,916**	**5,500,050**

Staten Island proposed URD ties:

2009	4R74L (Circle Loop A-phase) 4R74L (Travis Ave. C-phase)
2010	2R13 (Skyline Dr. A-phase) 2R13 (Skyline Dr. B-phase)
2011	3R32L (Ridgewood Ave. A-phase) 3R32L (Ridgewood Ave. C-phase)
2012	5R23 (Huguenot Ave. B-phase) 5R23 (Huguenot Ave. A-phase)
2013	5R15 (Arthur Kill Rd. A-phase) 5R15 (Arthur Kill Rd. B-phase)
2014	5R17 (Delmar Ave. C-phase) 5R17 (Delmar Ave. A-phase)

2015	2R13 (Skyline Dr. C-phase)

5. The order has been set primarily based on the average customer interruption rate for the past three years. This order may change depending on more thorough planning reviews, funding availability and future load and customer needs

LOOP	FEEDER	Avg. # of cust. interrupted '05 - '07	Year
The following 27 kV auto-loops will be split into two system III (5 re-closers) auto-loops			
CONEY ISLAND	7B04, 05	1965	2009
LAUREL HILL	6Q81L, 82L	1652	2010
MARINE PARK	7B01, 02	788	2011
GRAVESEND	7B03, 06	599	2012
DYKER	2B91, 92	262	2013
MIDWOOD	7B07,08	131	2014

For the Staten Island URD ties, the order has been set based on multiple criteria. This includes the number of affected transformers, number of customers on the URD loop, possible exposure, and geographical area for scheduling. The table below outlines the number of customers on each loop.

4R74L (Circle Loop A-phase)	135 customers
4R74L (Travis Ave. C-phase)	127 customers
2R13 (Skyline Dr. A-phase)	176 customers
2R13 (Skyline Dr. B-phase)	145 customers
3R32L (Ridgewood Ave. A-phase)	103 customers
3R32L (Ridgewood Ave. C-phase)	75 customers
5R23 (Huguenot Ave. B-phase)	90 customers
5R23 (Huguenot Ave. A-phase)	55 customers
5R15 (Arthur Kill Rd. A-phase)	73 customers
5R15 (Arthur Kill Rd. B-phase)	74 customers
5R17 (Delmar Ave. C-phase)	51 customers
5R17 (Delmar Ave. A-phase)	47 customers
2R13 (Skyline Dr. C-phase)	122 customers

Company Name: Con Edison
Case Description:
Case: 08-E-0539

Response to DPS Interrogatories – Set DPS5
Date of Response: 06/05/2008
Responding Witness:

Question No. :50
Subject: Priority of O&M and Capital Projects Exhibits - 1. Provide electronic copies of IIP-2 through IIP-7, and IIP-9 in Excel spreadsheet format with all formulas and cells unlocked. Also, include in these electronic copies, to the left of each project description, the priority ranking of each. 2. Provide company policies, procedures, directives, and manuals that explain the metrics, weightings and methodologies the company uses in prioritizing its capital and O&M projects.

Response:

1. See the attached files which reflect each exhibit (O&M and Capital) with prioritizations. Also DPS 25 provides an overall description of the prioritization process.

2. The attached policies and procedures are utilized for project inclusion in the budget process: Electric Operation Procedure (5-3-14/Customer Service Procedure) which was revised effective June 2008; Corporate Instruction 610-1; Project Prioritization Definitions; Central Operations Procedure (10-0-5); Engineering Service Request Process; and the Prioritization, which explains that process for distribution.

Prioritization

Distribution System

The Chief Distribution Engineer, working with the Regional Electric Operations organizations, reviews proposed programs/projects to determine prioritization for funding projects in the Electric Distribution (ED-1) capital budget, and ensures the capital projects and programs are aligned with the overall Corporate priorities as follows:

Public and Employee Safety Programs:

- The capital expenditures in this category address public and employee safety initiatives. These include such items as the 5-year safety / service / secondary inspection program.

Emergency Management Programs:

- The capital expenditures in this category are caused by failed components of the distribution system that must be replaced to meet design standards and restore service to customers. These include such items as replacement of primary cable sections to restore an open automatic feeder, installation of conduit to replace an obstructed duct containing a failed section of primary cable, replacement of a damaged pole, or replacement of overhead wire due to storm damage or other causes.

Regulatory Compliance/Environmental Excellence Programs

- These programs include items such as interference agreements; State law and certain of the Company's franchise agreements require the Company to relocate or support in place facilities that interfere with public improvement projects.

Infrastructure Programs that address increased customer demand

- These programs include items which address increased customer demand such as, but not limited to new business, area substation load relief, primary feeder relief, non-network feeder relief, and transformer relief.

System and Component Performance Programs

- These programs include items which address system reinforcement and reliability, such as but not limited to primary cable and splices, network transformers, secondary systems, and distribution unit substations and their associated feeders. System reinforcement projects and programs are reviewed to determine which take priority based on their impact on overall system performance and the associated cost to achieve that improvement.

Strategic IT Enhancement Programs

- These programs include items such as, but not limited to, transformer remote monitoring, integrated system models, grid optimization, and outage management systems, and tools to engineering and operations.

During the Electric Distribution budgeting process, the Electric Operations regions prepare and submit requests for capital funding for system reinforcement projects supported by a list of all projects showing the estimated cost, the magnitude of the overload or undervoltage, percent loading, and anticipated improvement after relief is completed.

For reliability programs, the Electric Operations regions provide a description of the program, type of system improvement, magnitude of the improvement, number of units associated with each program, and estimated cost. Non-network programs are prioritized based on where the greatest impact on system performance for the dollars expended can be achieved.

Distribution Engineering reviews the Regions' submissions and prioritizes system reliability projects to optimize impact on system performance for the dollars expended. The analysis focuses on the following:

- Impact on SAIFI
- Impact on CAIDI
- Impact on network reliability index, also referred to as "network jeopardy"
- Impact on customer satisfaction
- Cost versus benefit incurred
- Cost versus system benefit
- Cost versus "pocket program" improvements

Distribution Engineering meets with the Regional General Managers and Regional Engineering Managers to discuss the above cost/benefit measures and Distribution Engineering's recommended priority list for the reliability projects, and arrive at consensus regarding the priority order of reliability projects to be submitted to the Senior Vice President.

The five-year System Reinforcement request is submitted to Planning & Analysis listing all programs and projects for the five year request, the current budget and current working estimate (CWE). A cut-off line is established based on available funding. Projects above the line are included for authorization in the annual ED-1 budget. When necessary, recommendations are made to shift crews among Regions to provide resources for critical work.

Substations and Transmission System

Capital projects and programs are prioritized based on an assessment of multiple attributes including if projects are required to meet regulatory requirements, economic growth (customer demand), system reliability, facility upgrades/obsolescence or other operating needs. Projects developed to address regulatory/legal compliance issues or for meeting customer demand are considered mandatory and receive the highest priority. They are followed by

projects associated with maintaining or improving system reliability projects, which in turn are followed by projects developed to address longer term issues such as system aging and obsolescence.

The specific attributes to be used for the prioritization process address Con Edison's mission and goals, and were developed by evaluating a prior Con Edison system and current industry practices (see attached file for CO Attribute Definitions). Seventeen attributes were selected, defined and weighted as to their value to company needs. Each of the attributes was further defined as to the relative impact on individual attributes so that project scoring would be more detailed and replicate the management decision-making process. This information is summarized into a matrix that is used as the evaluation tool.

Evaluations are made using project write-ups and reviewed with project sponsors. An initial determination of mandatory projects is made and those that are Government mandate/ Failure Response Programs are assigned priority A. Projects that are economic growth/capacity changes are assigned priority B and Interconnection work is assigned priority C. Projects that are not mandatory are scored using the numerical matrix and the weighted score for each attribute is totaled to provide a final project score. The projects are then ranked in accordance with these project scores and reviewed with the user organization. The final review is used to reconcile the scoring of the numerical system with the judgment of the managing authority of each business unit.

Project Prioritization Definitions

ATTRIBUTE	DEFINITION OF EVALUATION METHOD
GOVERNMENT MANDATE	This attribute is used to evaluate projects that are required as a result of government regulation or Industry Codes or Standards to which Con Edison is committed. **Regulatory** items are graded in accordance with the following criteria: **(3)** Item is needed to meet existing regulation or commitment **(2)** Item is needed to meet a regulatory or code recommendation **(1)** Item is needed to meet a potential requirement **(-1)** Project will impair ability to meet requirement **(-3)** Significant compensatory action would be needed to implement requirements if this project goes forward
SAFETY / HEALTH	This attribute is used to evaluate projects that are required as a result of safety concerns or environmental conditions. **Safety/Health** items are graded in accordance with the following criteria: **(3)** Item is needed to address an immediate safety or safety concern **(2)** Item is needed to comply with written company safety/health policy **(1)** Item is needed to conform with good safety/health practices **(-3)** Significant compensatory action would be needed to implement requirements if this project goes forward
ATTRIBUTE	**DEFINITION OF EVALUATION METHOD**
DEMAND RELIEF	This attribute gives a project credit for changes to system capacity resulting from the project. **Capacity** items are graded in accordance with the following criteria:

Redacted

Project Prioritization Definitions

CAPACITY CHANGE	**(3)** Project is needed to provide increased capacity expected within the next three years **(2)** Project is needed to provide increased capacity expected within the next five years **(1)** Project is needed to provide increased capacity expected within the next ten years **(-1)** Project will reduce capacity by 1% or less **(-2)** Project will reduce capacity by over 1%
ATTRIBUTE	**DEFINITION OF EVALUATION METHOD**
RELIABILITY	Our corporate mission requires us to supply our customers with safe and reliable service. Since Reliability is evaluated by different methodologies throughout the company based on the particular service provided, there are a number of different ways in which this attribute can be evaluated. **MTBF:** One method is to evaluate the change in the **Mean Time Between Failures (MTBF)** as a result of changes made by the project using the following formula. $\frac{((\text{New MTBF} - \text{Original MTBF}) \times 100)}{\text{Original MTBF}}$ **MTBF** is graded in accordance with the following criteria: **(3)** MTBF is greater than 6% — **(-1)** MBTF decreases by less than 2% **(2)** MTBF is between 4% & 6% — **(-2)** MTBF decreases between 2% and 4% **(1)** MTBF is between 2% & 4% — **(-3)** MTBF decreases by more than 4% **Overduty** from potential short circuit currents exceeding protective devices' interruption rating is graded by % overduty. **(3)** Projected overduty exceeds 4% **(2)** Projected overduty is between 2% & 4% **(1)** Projected overduty is less than 2% Other measures of reliability may be used but the quantitative values must be agreed to.

Redacted

Project Prioritization Definitions

ATTRIBUTE	DEFINITION OF EVALUATION METHOD
AVAILABILITY	**Availability:** A project is evaluated by its impact on availability in terms of percentage change as a result of implementing the project. **(3)** Plant, system or equipment availability increases by 6% as a result of the project **(2)** Plant, system or equipment availability increases by 4% to 6% as a result of the project **(1)** Plant, system or equipment availability increases by 2% to 4% as a result of the project **(-1)** Plant, system or equipment availability decreases by between 1% and 2% **(-2)** Plant, system or equipment availability decreases by between 2% and 3% **(-3)** Plant, system or equipment availability decreases by more than 3%
ENVIRONMENTAL	This attribute is used to evaluate projects that are required as a result of government regulation or Industry Codes or Standards to which Con Edison is committed. **Environmental** items are graded in accordance with the following criteria: **(3)** Item is needed to address an immediate environmental concern **(2)** Item is needed to comply with written company EH&S policy **(1)** Item is needed to conform with good EH&S practices **(-3)** Significant compensatory action would be needed to implement requirements if this project goes forward
ATTRIBUTE	**DEFINITION OF EVALUATION METHOD**
OBSOLESCENCE	This attribute is used to evaluate the impact of diminishing industry support of equipment and the need to address equipment approaching the end of expected service life. **Industry Support** issues are graded in accordance with the following criteria:

Redacted

Project Prioritization Definitions

	(3) Equipment is obsolete or spare parts/repair services are unavailable **(1)** OEM no longer supplies spare parts or provides support services **End of Life** issues are graded in accordance with the following criteria: **(2)** Equipment has reached the end of its expected service life **(2)** Equipment has been in service for 92% of its expected service life **(1)** Equipment has been in service for 85% of its expected service life **(-2)** Project will reduce life expectancy
COST (Payback in years)	This attribute is evaluated by projecting the number of years needed for the increased earnings associated with the project to pay for the cost of implementing the project. $\frac{\text{(Cost of Project – Salvage Value)}}{\text{Annual Increased Earnings Generated}}$ **(3)** Project payback is expected within two years **(2)** Project payback is expected within two to five years **(1)** Project payback is expected within five to eight years
ATTRIBUTE	**DEFINITION OF EVALUATION METHOD**
TECHNICAL IMPROVEMENT	The Technical Improvement attribute is evaluated as to the impact the project will have when compared to the remaining Service Life of the components being modified or replaced. **(3)** Service life improved by over 10 years **(2)** Service Life is improved by 8 to 10 years **(1)** Service Life is improved by 6 to 8 years Project write up must provide justification of improved life.

Redacted

Project Prioritization Definitions

OPERATIONAL TECHNICAL IMPROVEMENT	This attribute is used to evaluate the project's ability to identify, respond to or control system equipment performance. **Operational Technical Improvement** items are graded in accordance with the following criteria: **(3)** Project will improve response time (Can be the result of equipment improvement or enhanced operational response.) **(2)** Project will improve system or equipment control **(3)** Project will improve system indication or problem identification **(-1)** Project will have a negative effect system indication on problem identification **(-2)** Project will have a negative effect on system or equipment control **(-3)** Project will have a negative effect on response time
ATTRIBUTE	**DEFINITION OF EVALUATION METHOD**
EFFICIENCY %	Calculating or projecting the system or plant change in % efficiency as a result of implementing the project evaluates this attribute. $\frac{\text{(New System Efficiency – Existing System Efficiency) X 100\%}}{\text{Existing System Efficiency}}$ **(3)** Plant or system efficiency increases by more than 3% as a result of the project **(2)** Plant or system efficiency increases by 2% to 3% as a result of the project **(1)** Plant or system efficiency increases by 1% to 2% as a result of the project **(-1)** Plant or system efficiency decreases by between 1% and 2% **(-2)** Plant or system efficiency decreases by between 2% and 3% **(-3)** Plant or system efficiency decreases by more than 3%
CARRYOVER OF WORK IN PROGRESS	**Work in Progress** is graded in accordance with the following criteria: **(3)** This project has proceeded to the point that field work is in progress

Redacted

Project Prioritization Definitions

	(2) This project has proceeded to the point that equipment has been purchased **(1)** This project has proceeded to the point that engineering work has started Note: If the project is being implemented as part of a Program, the above criteria must apply to the specific project being evaluated, not be based on program attributes.
ATTRIBUTE	**DEFINITION OF EVALUATION METHOD**
STRUCTURAL RESTORATION	Structural restoration projects are evaluated on the significance of the damage being remediated. Civil Engineering evaluates deficient conditions and categorizes conditions on the basis of severity. Category I items are deficient conditions that could have safety repercussions and require repairs on an expedited basis. Category II items are deficient conditions that do not have immediate safety repercussions but still require repair or replacement within 2 years. Category III items are deficient conditions that require future monitoring, but are items whose repair can be deferred for a number of years. **Structural Restorations** is graded in accordance with the following criteria: **(3)** Project is rated a Category 1 condition **(1)** Project is rated a Category 2 condition
PUBLIC PERCEPTION	**Public Perception** is graded in accordance with the following criteria: **(2)** Project could generate positive Media Attention **(1)** Project could positively impact the public's opinion of the company **(-1)** Project could negatively impact the public's opinion of the company **(-2)** Project could generate negative Media Attention

Project Prioritization Definitions

	The write-up must include a description of how public perception will be impacted to get credit for this attribute
ATTRIBUTE	**DEFINITION OF EVALUATION METHOD**
OUTAGE AVAILABILITY /COORDINATION	This attribute is used to evaluate the synergistic effect of coordinating this project with other projects or facility activities. The specific activity causing the synergistic effect must be referenced in the project write-up. **Coordination** is graded in accordance with the following criteria: **(3)** There is economic benefit in coordinating this project with other station activities such as outages, major overhauls, etc. **(2)** There is economic benefit in coordinating this project with other projects
STRATEGIC ISSUE	This attribute is used to evaluate the project's impact on corporate goals. **Strategic Issues** are graded in accordance with the following criteria: **(2)** Project supports a written corporate goal **(2)** Project supports a written department goal The write-up must include a description of how a written goal is being supported to get credit for this attribute.
REPORT RECOMMENDATIONS	In the course of normal business operations, the company evaluates its performance with a variety of tools such as audits, incident investigations, root cause evaluations, studies, etc.. As a result of these various processes, lessons learned and recommendations are generated. This attribute is used to provide a project with credit for self-improvement. **Report Recommendations** are graded in accordance with the following criteria: **(3)** Project implements accepted or required corrective actions.

Redacted

Project Prioritization Definitions

	(2) Project will significantly reduce the likelihood or consequences of a repeat event Project will reduce the likelihood or consequences of a repeat event.

Redacted

conEdison

Customer Service Procedure 5-3-14

TITLE

ELECTRIC OPERATIONS--ENGINEERING AND DESIGN: ED-1 Budget Prioritization

TABLE OF CONTENTS

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THIS PROCEDURE HAS BEEN REVISED TO INCLUDE A NEW EXHIBIT A TABLE II. OTHER CHANGES ARE NOTED WITH A GRAY BAND.

DISTRIBUTION: EO

1.0 **PURPOSE**--To assign responsibility for prioritizing ED-1 projects and programs and to specify the procedure for applying the prioritization.

2.0 **POLICY**--Distribution system capital projects will compete for ED-1 funds on a system-wide priority basis. System reinforcement projects will be prioritized based on where the greatest impact on system performance can be obtained for the dollars expended.

3.0 **DEFINITIIONS**--

3.1 **Design Criteria.** Criteria published in specifications issued by the Distribution Engineering Department.

3.2 **Funding**. Dollars available in the budget for specific projects or programs.

3.3 **Overload**. Any load condition exceeding design criteria.

3.4 **Undervoltage**. Any voltage condition below design criteria.

4.0 **FUNDING PRIORITIZATION**--

4.1 **Priority Levels.** The Chief Distribution Engineer will review proposed programs/projects to determine prioritization for funding projects in the ED-1 capital budget. ED-1 budget categories are prioritized as follows:

- PRIORITY 1: BURNOUTS

  Burnouts are caused by failed components of the distribution system that must be replaced to meet design standards and restore service to customers.

- PRIORITY 2: NEW BUSINESS AND INTERFERENCE

The Electric Rate Schedule and our franchise agreements require that the Company accept new customers on the distribution system. Municipal,

county and state laws require that facilities be relocated when they interfere with public improvement projects.

- PRIORITY 3: METER AND TRANSFORMER INSTALLATIONS

  Capital expenditures for meter and transformer installations are allocated as a function of the mix of new and refurbished meters and transformers installed on the system. Funding must be set aside to cover these costs.

- PRIORITY 4: SYSTEM REINFORCEMENT

  System Reinforcement programs provide for the relief of overloaded facilities, correction of voltage problems and improvement of reliability.

System Reinforcement funding may not be adequate to relieve all projected overloads, correct all voltage problems under all contingency conditions and provide for all required system improvement projects. Projects and programs must be reviewed to determine which take priority based on their impact on overall system performance and the associated cost to achieve that improvement. Normal overloads will not be tolerated on the system. Emergency overloads should be given priority based on the guidelines shown in Table II (EXHIBIT A). Reliability programs, including paper cable replacement and hi-pot testing (both after open automatics and the Spring Program), may be given priority over relief projects where it is deemed that they will have a greater impact on system performance than relief of overload/ undervoltage conditions. Engineering judgment and discretion must be applied to minimize risk and optimize the impact of the dollars expended.

4.2 **ED-1 Budgeting**. Regions shall prepare their five-year request for capital funding for System

Reinforcement projects, by the date established in the annual budget process, and submit them electronically to Planning & Analysis and Asset Management for their review using the shared database established by Planning & Analysis for that purpose.

For relief projects each Region shall provide a list of all projects showing the estimated cost, the magnitude of the overload or undervoltage, percent loading and anticipated improvement after relief is completed.

For reliability programs and projects, the Regions shall provide a description of each project or program indicating the cost for each program or project and anticipated improvement to system performance. Networks with the highest jeopardy will get the highest priority for funding. Non-network programs or projects will be prioritized based on where the greatest impact on system performance for the dollars expended can be achieved. For each reliability project line item submittal, each Regional Engineering group must include the following:

- Description of the project
- Type of improved impact to the system
- Magnitude of the anticipated impact to the system
- Number of units associated with each program
- Estimated cost
- Magnitude of the condition

Reliability projects shall be identified with one of the reliability programs listed in Table III. Programs may be added to or deleted from the list as required.

Asset Management will review the submission and prioritize System Reinforcement projects to optimize impact on system performance for the dollars expended. The focus of the analysis will be on the following:

- Impact on SAIFI
- Impact on CAIDI
- Impact on "network jeopardy"

- Impact on customer satisfaction
- Cost versus benefit incurred
- Cost versus system benefit
- Cost versus "pocket program" improvements

Asset Management will meet with the regional General Managers and Regional Engineering Managers to discuss the above cost/benefit analysis, Asset Management's recommended priority list for the reliability projects, and arrive at consensus regarding the priority order of reliability projects to be submitted to the Senior Vice President. Asset Management will forward these recommendations to Planning & Analysis by the date established in the annual budget process.

The five year System Reinforcement request shall be submitted to Planning & Analysis using the C-39 form which lists all programs and projects for the five year request, the current budget and current working estimate (CWE). Dollars and units shall be shown for each program and/or project listed. A cutoff line will be established based on available funding. Projects falling above the line will be included for authorization in the annual ED-1 budget. When necessary, recommendations will be made to shift crews among Regions to provide resources for critical projects.

5.0 **DESIGN CRITERIA**--For all purposes other than funding considerations, the design criteria will be used.

6.0 **PROCEDURAL RESPONSIBILITY**--The Chief Engineer, Distribution Engineering, has responsibility for this procedure.

7.0 **EXHIBITS**--Table I ED-1 Budget Categories

Table II System Reinforcement Relief Guidelines

Table III System Reinforcement Programs

EXHIBIT A TO CSP 5-3-14
Page 1 of 4

TABLE I

ED-1 BUDGET CATEGORIES

NEW BUSINESS
BURNOUTS
INTERFERENCE
SYSTEM REINFORCEMENT
METER INSTALLATIONS
TRANSFORMER INSTALLATIONS

EXHIBIT A TO CSP 5-3-14
Page 2 of 4

TABLE II

SYSTEM REINFORCEMENT RELIEF GUIDELINES

PRIORITY NUMBER	DESCRIPTION	RELIEF CRITERIA
1.	Area substation overload	Normal load > normal rating and/or Emergency load > emergency rating.
2.	Primary network feeder overload	Normal load > normal rating. 1st contingency: E ≥ 115% 2nd contingency: E ≥ 120% (E = emergency loading)
3.	Primary network feeder overload	1st cont.: >105% & <115% 2nd cont.: >105% & <120%
4.	4kv substation overload	Normal >100% and/or emergency ≥ 115%
5.	Primary non-network feeder overload 13kv and above	Normal > 100% 1st contingency: ≥ 115% of emergency rating
6.	Secondary network transformer/mains overload	>100% of normal rating ≥ 115% of 1st or 2nd contingency rating depending on design
7.	4kv feeder overload	>100% of normal rating emergency ≥ 130% of emergency rating for Underground and Overhead

8.	Primary non-network feeder overload 13kv and above	1st contingency cable on main run of feeder >100% & <115% of emergency rating. Other cable and open wire >105% & < 115% of emergency rating.

TABLE II

SYSTEM REINFORCEMENT RELIEF PRIORITIES

PRIORITY NUMBER	DESCRIPTION	RELIEF CRITERIA
8.	Primary non-network feeder overload 13kv and above	1st contingency cable on main run of feeder >100% & <115% of emergency rating. Other cable and open wire >105% & < 115% of emergency rating.
9.	Primary network feeder overload	1st cont.: >100% & <105% 2nd cont.: >100% & <105% of emergency rating
10.	4kv feeder overload	≥ 120% & <130% for Overhead ≥ 110% & <130% for UG cable of emergency rating
11.	All other 4kv substations	>100% & <115% of emergency rating
12.	Secondary network transformer/mains overload	≥ 110% & <115% of 1st or 2nd contingency rating depending on design
13.	Primary non-network feeder overload 13kv and above	1st contingency: >100% & <105% of emergency rating
14.	Secondary network transformer/mains overload	>100% & <110% of 1st or 2nd contingency rating depending on

		design
15.	4kv feeder overload	>100% & <120% Overhead >100% & < 110% UG Cable of emergency rating

EXHIBIT A TO CSP 5-3-14
Page 4 of 4

TABLE III

SYSTEM REINFORCEMENT PROGRAMS

RELIEF

Area Substations
Primary Feeders
4kv Substations
4kv Feeders
Transformers & Secondary
<$100K Load Relief

RELIABILITY

Paper Cable Replacement
(including targeted stop joints)
Galleries Retirement
Remote Monitoring NWP
#4 #6 Wire & 4kv S.S. Cable
Multibank Retirement
Obsolete Network Protectors
Special Projects
Simplification
Isolation Devices
Secondary Reliability
4kv Obsolescence & Substation Retirement
Defective Aerial Cable
Jumbo Transformers
Hi-Pot Program (Spring Program and After O/A)
General Improvements
<$100K Reliability

Customer Service Procedure

TITLE

ELECTRIC OPERATIONS--ENGINEERING AND DESIGN: ED-1 Budget Prioritization

conEdison

Corporate Instruction

SUBJECT

CAPITAL BUDGET PROCESS

1.0 **PURPOSE** -- To specify the procedures to be followed for construction projects, to achieve project authorization (budget allocation), appropriation of funds, and funding control within the yearly Capital Budget.

2.0 **APPLICATION** --

2.1 This Instruction applies to all organization units and individuals involved with construction projects and the Capital Budget.

2.2 The Delegations of Authority stated herein are derived from Corporate Policy Statement 000-1, "Delegation of Authorities." The provision for action during an emergency also applies (000-1, "Delegation of Authorities" paragraph 2.9).

3.0 **GENERAL** --

3.1 **Board of Trustees' Finance Committee** -

a. The Finance Committee of the Board of Trustees examines and makes recommendations to the Board with respect to annual Capital Budgets, capital budget requests and amendments, and reviews certain contracts, purchases, and sales, as required under the Delegation of Authorities.

3.2 The Corporate Policy Committee will review the recommended annual Capital Budget prior to submission to the Finance Committee.

3.3 The Financial Forecasting and Corporate Budgeting section of Corporate Accounting will:

a. Receive, record, review, and submit recommendations to the Corporate Policy Committee concerning the various requests and proposals.

b. Compile the proposed annual Capital Budget from submissions of the Program Managers and recommendations made by Financial Forecasting and Corporate Budgeting and the Corporate Policy Committee.

c. Publish and distribute the annual Capital Budget upon approval by the Board of Trustees.

d. Prepare and issue monthly a Capital Budget Status Report to the Program Managers and other appropriate Company personnel (see paragraph 4.5b). Revised annual funding levels may be approved based on budget reviews. The latest approved funding levels will be reflected in the Capital Budget Status Report.

e. Monitor and record transfers of funding between budget line items, within the limits of the yearly Capital Budget (see paragraph 4.7).

f. Monitor the variances between the authorization/appropriations levels and the expenditure levels on all capital and retirement projects and annual authorizations as well as the overall Capital Budget funding level. Where overruns require approval of the Board of Trustees and/or the Chief Executive Officer (CEO), Financial Forecasting and Corporate Budgeting will notify the responsible Program Manager. Where overruns do not require approval of the Board of Trustees and/or the CEO, Financial Forecasting and Corporate Budgeting will notify the responsible budget administrators.

3.4 Project Classification -

a. Load Relief/Capacity Improvement. These projects are for new facilities or enlargements of existing facilities to meet load growth or to provide for greater output or new functions (e.g., new business, new generating station or substation or related expansion, new transmission line).

b. Facility/Obsolescence. These projects are replacement, having equivalent capability, for failed and/or deteriorated facilities. Typical replacement projects would include cable burnouts, generating and/or substation equipment replacement, rearrangement of existing facilities, and replacement of corroded gas mains.

c. Reliability/Availability. These projects are betterment, generally required to increase reliability and/or availability of a facility or a Company function. Typical facility betterment projects would include distribution system reinforcement, plant or substation instrumentation, system operations control systems, transformer failures, rebuilding of existing facilities, and employee facilities' rehabilitation.

d. Environmental. Projects that are initiated to correct, improve, or enhance environmental performance. Typical projects would include projects that result from regulatory requirements stemming from environmental regulations (e.g., CEMS installations). Projects for which 80% or more of the cost is directed at environmental improvement should be included in this category (e.g., oil spill prevention, opacity monitoring, leak detection).

e. Safety/Government Regulatory Requirement. These projects are the result of specifications or directives of regulatory agencies of the various levels of government. Typical regulatory requirements would include public improvement and interference projects, safety projects (OSHA), and projects required by the Departments of Transportation and Energy, the Public Service Commission, and other regulatory agencies.

f. Cost Savings/Operations Improvement. These projects are instituted to reduce costs by improving operating techniques, add economic improvements for ratepayers, reduce manpower, or decrease maintenance. Typical projects would include the conversion of manual operations to automatic and installation of local fueling facilities to reduce time lost in travel.

g. Retirement. These projects are initiated in accordance with the Company's planned retirement of facilities no longer required for system operations. Budget submittals should indicate whether the facility is to be retired-in-place or retired and removed. Typical projects might include the retirement and removal of equipment in a generating station.

h. Other. These projects are required for the routine operation of the Company or for advance planning. Typical projects might include the purchase of general equipment.

4.0 PROCEDURES --

4.1 Capital Budget Process -

a. The Capital Budget Process is composed of the following: (Refer to paragraph. 6.0 for definitions.)

(1) Project Authorization

(2) Project Appropriation

(3) Increase/Decrease of Authorization/Appropriation

(4) Capital Budget Status Reporting

(5) Validation In Advance of Appropriation

(6) Funding Control

4.2 Project Authorization -

a. A guidance document for the preparation of the annual Capital Budget for the ensuing year will be issued by the Vice President and Controller, Corporate Accounting, each year. The guidance document will:

SUBJECT

CAPITAL BUDGET PROCESS

(1) Establish criteria for selecting projects for inclusion in the proposed Budget.

(2) Set the schedule for submissions and review.

b. Budget Reference Numbers for projects are established during the budget process by Financial Forecasting and Corporate Budgeting and are used for all purposes throughout the life of the project. Examples of the numbering pattern are shown in EXHIBIT A.

c. The "Capital Budget Request Form" is available on Outlook (Path: Public Folders, All Public Folders, Con Ed Co. of NY, Finance, FI - Corporate Budgeting Forms, CBRFORMS) and will be used:

(1) To request approval for authorization of a project that will be included in the annual Capital Budget for the coming year or that is not included in the current Capital Budget, but for which funding is required.

(2) To request approval for an increase/decrease in authorization and/or appropriation.

(3) To request approval for appropriation of an item included in the Capital Budget.

d. The Program Managers are responsible for:

(1) Issuing instructions and assignments to their designated Construction Managers for preparation of data required for budget submission.

(2) Submitting budget documentation to Financial Forecasting and Corporate Budgeting at the time specified in the annual budget guidance document.

e. Financial Forecasting and Corporate Budgeting will collate budget submissions into the proposed annual Capital Budget for review by the Corporate Policy Committee, the CEO, and the Board of Trustees' Finance Committee.

f. The budget format will be a listing of major projects (individual line items) and a summarization of other projects (composite line items) by program with previously approved projects identified. The budget documentation submitted by the Program Managers will serve as backup.

SUBJECT

CAPITAL BUDGET PROCESS

g. After approval of the annual Capital Budget by the Board of Trustees, the responsible officers of the Company may in accordance with the delegations and procedures referred to in this document:

(1) Obligate and expend the amount shown for each line item in the budget without limitation as to time except that total capital expenditures in any one year will not exceed 5% or more of the overall Capital Budget (see paragraph 4.3 b. 1).

(2) Approve additional obligations and expenditures, with respect to each such line item within the limits provided in 000-1, "Delegation of Authorities."

h. After approval of the annual Capital Budget by the Board of Trustees, the Program Managers will direct their Construction Managers and Project Engineers to proceed with design engineering and/or other necessary preparation. Design engineering may be completed before project appropriation; however, obligations for construction or procurement may not be incurred until an Appropriation Request is approved, as covered in paragraph 4.3.

i. Budget additions and amendments to the annual Capital Budget will be made as follows:

(1) Submission of individual requests for budget additions and amendments requiring Board and/or the CEO's action must reach the Office of the Secretary two weeks prior to the date of the review by the Board of Trustees. A copy of the submission will be forwarded to Financial Forecasting and Corporate Budgeting.

(2) Emergency requirements may be submitted when necessary.

(3) For the addition or amendment of a line item to the Capital Budget, a "Capital Budget Request Form" must be completed and approved.

(4) Authorization approvals for additions or amendments of Capital Budget line items will be as specified in 000-1, "Delegation of Authorities."

(5) When a Capital Budget Request is not approved, Financial Forecasting and Corporate Budgeting will immediately inform the Program Manager. The Program Manager may revise and resubmit the request as appropriate.

SUBJECT

CAPITAL BUDGET PROCESS

4.3 Project Appropriation -

a. Before funds can be obligated or expended for Capital Projects, an Appropriation must be approved. In the preparation of Appropriation Requests, all costs for each project will be included with the request for that project. Appropriation approvals will be contingent upon an authorization having been established equal to or greater than the amount of the proposed appropriation. A "Capital Budget Request Form" or "Request for Distribution Appropriation Form" will be used to request an Appropriation. The forms are available on Outlook (Path: Public Folders, All Public Folders, Con Ed Co. of NY, Finance, FI - Corporate Budgeting Forms, CBRFORMS). These requests will be recommended or approved through levels specified in 000-1, "Delegation of Authorities" and submitted to Corporate Budgeting and Financial Forecasting.

(1) Approved Appropriation Requests will be forwarded to Financial Forecasting and Corporate Budgeting.

(2) Prior to the initiation of Appropriation Requests, Property Record, Corporate Accounting, should be consulted for determination of proper accounting.

(3) Instructions for preparation of authorization/appropriation forms are covered in Operating Procedure 610-1, "Preparation of Construction Budget Forms."

b. When funds to be appropriated are greater than the authorized Capital Budget amount, the request will indicate that authorization approval is also required (see paragraph 4.2 i).

(1) When the overall Capital Budget is increased by 5% or more for new authorizations not included in the budget or increases to existing authorizations in the budget, the increase must be reviewed by the Board of Trustees' Finance Committee and approved by the Board.

c. If an Appropriation Request is for a portion of a specific budget line item and additional appropriations will be necessary, the request must so indicate. Partial Appropriation Requests will provide an explanation of the reason(s) for a partial request.

d. After approval of the Appropriation Request, Program Managers and Construction Managers will proceed with procurement and/or construction to accomplish the project. The Construction Manager will maintain records of project obligations and is responsible for correct accounting for all costs and ensuring that obligations for the project do not exceed the approved appropriation amount.

SUBJECT

CAPITAL BUDGET PROCESS

4.4 Increase of Authorization/Appropriation -

a. The designated Construction Manager will maintain records of contract obligations and total project obligations. In the case of Construction, these records will be in accordance with the latest issue of Operating Procedure 280-1, "Contract Administration Manual." The Construction Manager will also maintain a Current Working Estimate (CWE) for the project. If at any point the CWE exceeds the approved authorization, the Construction Manager will prepare and forward a "Capital Budget Request" to increase the authorization and/or appropriation.

b. Requests for increases/decreases of authorization/appropriation must be approved in accordance with 000-1, "Delegation of Authorities" prior to any additional cost obligations being incurred.

c. Increases of appropriation are not required when the total overrun of a completed project does not exceed $250,000. Where cumulative increases to a project exceed the original amount appropriated by 100% but do not exceed $250,000 the title that approved the original appropriation should be notified.

d. Where original cost book dollars are the cause for a retirement appropriation increase, and the scope of work has not changed, an appropriation increase is not required. An electronic memo with the required approvals and pertinent information may be used instead, and filed with the original appropriation document.

4.5 Capital Budget Status Report -

a. Program Managers are responsible for submitting budget reviews as requested to Financial Forecasting and Corporate Budgeting for each of their budgeted projects on the dates requested in the Capital Budget Review Schedule issued by Financial Forecasting and Corporate Budgeting.

b. Financial Forecasting and Corporate Budgeting will prepare, issue, and distribute to appropriate Company personnel a monthly Capital Budget Status Report. This report will provide information as to approved budget amounts, expenditure forecasts for the month and year-to-date, and explanations of significant variances. The report can be viewed on Outlook (Path: Public Folders, All Public Folders, Con Ed Co. of NY, Finance, FI – Corporate Budgeting Forms, Capital Budget Status Reports).

SUBJECT

CAPITAL BUDGET PROCESS

4.6 Validation in Advance of Appropriation -

a. Financial Forecasting and Corporate Budgeting will expedite requests requiring immediate action, which cannot be processed through the normal routine (e.g., emergency project requiring the immediate procurement of equipment, materials, and/or labor). To ensure proper accounting for the costs, the requesting organization must submit a scope of work to Property Record as soon as possible so that an account ruling (needed to process the validation request and subsequent authorization/appropriation document) can be prepared. All requests for validation of order numbers in advance of authorization/ appropriation must be accompanied by a completed "Request for Validation In Advance of Appropriation Form", which is available on Outlook (Path: Public Folders, All Public Folders, Con Ed Co. of NY, Finance, FI - Corporate Budgeting Forms, Various Forms). This form will be prepared by the organization requesting the advance order(s) and will be approved with the appropriate level of authority based on the total estimated cost (capital or retirement). The form will contain the following information:

(1) Description of the work to be performed

(2) Property Record Ruling Reference Number

(3) Total estimated cost (including overheads) of the project (i.e., capital and/or retirement with associated expense)

(4) Work Schedule - Estimated start and completion dates of the project

(5) Budget Reference Number (if budgeted)

(6) Justification for advance Work Order Number (e.g., equipment failure, emergency outage, safety action)

(7) Outage Related (Yes, No)

(8) Appropriation submittal schedule

b. Financial Forecasting and Corporate Budgeting will assign and validate the applicable order number(s) and notify the requesting organization of the order number(s) issued. Financial Forecasting and Corporate Budgeting will publish a biannual status report of all advance validations issued that are awaiting authorization/ appropriation. The authorization/appropriation document is to be submitted within 90 days of work order issuance.

c. The Vice President and Controller, Corporate Accounting, may authorize the issuance and validation of order numbers by the Assistant Controller or the Section Manager, Property Record, for projects identified by Property Record as capital and/or retirement that have been completed and charged to expense or are currently in progress and being charged to expense. This will expedite the proper allocation of expenditures and will ensure the continuing integrity of the Company's financial records. The appropriate organization will be informed of such action and will be responsible for preparation of the authorization/appropriation document.

d. Where prompt action is deemed necessary for items requiring Board of Trustees action, the CEO may authorize such projects on an emergency basis. Any such action will be reported at the next scheduled meeting of the Board of Trustees.

4.7 Funding Control -

a. Financial Forecasting and Corporate Budgeting is responsible for maintaining accounting control of the balances of construction expenditures for the current year and related funded amounts. At the beginning of each year these balances will be listed by project in accordance with the newly approved Capital Budget. Funding Transfer Requests between capital line items must include the concurrence of the budget administrator for the organization receiving the transfer as well as the administrator giving up the funding. Requests should be sent to Financial Forecasting and Corporate Budgeting. Notification of approval or disapproval will be forwarded to appropriate parties. The "Capital Funding Transfer Request Form" is available on Outlook (Path: Public Folders, All Public Folders, Con Ed Co. of NY, Finance, FI -Corporate Budgeting Forms, Various Forms).

b. Funding for the various projects will also be adjusted based on the budget reviews submitted.

c. All new capital items must be considered with all other capital items based on individual justification. Transfer of funds for new capital items within the budget year must be made available from approved capital items, which have a lower priority.

4.8 Post Completion Review of Cost Reduction Projects -

a. The Vice President and General Auditor, Auditing, will be responsible for a post completion review and evaluation of all projects with total cost of $2,000,000 or more.

b. Within one month after approval of the annual budget, Financial Forecasting and Corporate Budgeting will notify the Vice President and

General Auditor of the cost reduction projects meeting these requirements that were completed the previous year and for which all work orders have been closed out and Property Record has completed their final analysis. The Vice President and General Auditor will determine the necessary audit requirements.

c. The post completion review will be carried out approximately one year after the project is completed and normal operations commenced.

d. The review will be in writing and addressed to the Vice President and Controller. The Program Manager will be provided an opportunity for draft review prior to issuance of the final report.

5.0 RESPONSIBILITIES --

5.1 Program Managers -

a. Each Program Manager is assigned overall technical and cost responsibility and accountability for the planning, design, scheduling, procurement, and construction of the capital projects that comprise the program. The following capital programs are established with Program Managers as indicated:

(1) Senior Vice President, Central Operations.

(a) Electric/Steam Production Plant

(b) Electric Substations (except for projects at Distribution Unit Substations under Electric Operations)

(c) Electric Transmission

(d) Steam Distribution

(e) Buildings and Yards projects/programs and Information Technology projects/programs under Central Operations' responsibility

(f) General Equipment (as related to Central Operations)

(2) Senior Vice President, Enterprise Shared Services.

(a) General Equipment (as related to Enterprise Shared Services)

(b) Buildings and Yards projects/programs and Information Technology projects/programs (as related to Enterprise Shared Services)

(c) Capital Research and Development Programs

(3) Senior Vice President, Electric Operations.

(a) Electric Distribution

(b) Distribution Unit Substations

(c) All Buildings and Yards projects/programs and Information Technology projects/programs under Electric Operations' responsibility

(4) Senior Vice President, Gas Operations.

(a) Supply Mains and Tunnel Facilities

(b) Gas Distribution

(5) Senior Vice President, Customer Operations.

(a) All Buildings and Yards projects/programs, Information Technology projects/programs, and Telecommunications Applications projects/programs under Customer Operations' responsibility.

(6) Vice President, Environment, Health and Safety.

(a) Environmental projects/programs

(7) Senior Vice President, Business Shared Services.

(a) General Equipment (as related to Business Shared Services)

(b) Buildings and Yards projects/programs and Information Technology projects/programs (as related to Business Shared Services)

5.2 <u>Construction Managers</u> -

a. The Program Manager will designate the Construction Manager for individual projects.

b. Construction Managers are responsible for planning, organizing, controlling, and coordinating all activities relating to construction of assigned projects including the assurance of correct accounting for all resources utilized.

6.0 DEFINITIONS --

6.1 **Project Authorization** - Formal budget approval, which establishes the scope, location, schedule, capital, retirement, and associated expense costs for a project. Project authorization does not constitute permission to commit for equipment purchases or construction.

6.2 **Appropriation** - Formal grant of authority to commit a specified amount of Company funds.

6.3 **Funding** - The estimated expenditure for a project within the current year.

6.4 **Project Estimate** - The total anticipated cost of a project including construction and procurement contracts, engineering, Company labor, inspection, supervision, Company-furnished equipment and materials, overheads, interest during construction (if applicable), contingencies, and escalation.

6.5 **Construction Expenditures** - The direct cost of contract work, labor, materials, supplies, transportation, other appropriate components of cost (as listed in and defined in the New York Public Service Commission Uniform Systems of Accounts), and all applicable overheads.

6.6 **Obligation** - A legally binding agreement requiring either immediate or future payment of Company money. Obligations are established through execution of a contract for procurement of property, goods or services, or other acts which create a binding requirement for the payment of Company money. Recorded costs for Company forces employed on a project (including labor, inspection, supervision, and engineering), Company materials used, and interest during construction also constitutes obligations.

6.7 **Capital Costs** - Expenditures applicable to plant accounts involving additions to or major improvements of retirement units. Determination of appropriate capital cost is the responsibility of Property Record through interpretation of the Public Service Commission Uniform Systems of Accounts and detailed analysis of actual expenditures.

6.8 **Net Retirement** - The original cost of the facilities to be retired as shown in the continuing property records, plus the removal costs of the facilities, minus any proceeds from salvage. Determination of the Company's retirement units is the responsibility of Property Record through interpretation of the Public Service Commission Uniform Systems of Accounts.

6.9 **Associated Expense** - Any operating or maintenance charges, which occur as a result of capital expenditures, as determined by Property Record. Normally a separate expense order is established at the time the capital project is appropriated in order to segregate the cost of expense charges, which are associated with the project.

6.10 **Responsibility Code** - A three-position number that identifies which Corporate officer is responsible for costs charged to an associated order number. The code represents a particular organization, location, or function.

6.11 **Function Code** - A five-position alpha/numeric code representing a specific type of work (i.e., EDI03 Electric New Business, SPR03 Steam Production). The Function Code Listing can be viewed on Outlook (Path: Public Folders, All Public Folders, Con Ed Co of NY, Finance, FI – Corporate Budgeting Forms, Function Code Listing.

7.0 **EXHIBITS** --

7.1 **EXHIBIT A** - Capital Budget Numbering Pattern

8.0 **REFERENCES** --

8.1 Resolutions of the Board of Trustees of March 24, 1970 establishing Delegation of Authorities.

8.2 Resolutions of the Board of Trustees of May 21, 2001 establishing the Finance Committee.

9.0 **ADVICE AND COUNSEL** -- The Vice President and Controller, Corporate Accounting, will provide advice and counsel on this Instruction.

SUBJECT

CAPITAL BUDGET PROCESS

EXHIBIT A

PATTERN FOR CAPITAL BUDGET REFERENCE NUMBER

1.1 Program Glossary

Program	Symbol
Electric Production Plants	EP
Electric Substations	ES
Electric Transmission	ET
Electric Distribution	ED
Gas Storage GS	
Gas Transmission or Distribution	GD
Tunnel Facilities TF	
Steam Production Plants	SP
Steam Distribution	SD
Real Estate RE	
Research and Development	RD
General Equipment	XM
Building and Yards:	
Central	XC
Electric/Customer Operations	XB
Environmental XC	

1.2 General Description and Use

a. Individual Line Items (Projects) in the Capital Budget are numbered consecutively with the last digit of the Budget year appearing first.

Example: 3EP0100, 3EP0200, 3EP0300, etc. In this example, the prefix 3 represents the year 03, EP is the program symbol for Electric Production Plants; and suffix digit (0100, 0200, 0300, etc.) represents the order of appearance.

b. Composite Line Items are also numbered consecutively (represented by the last two suffix digits) but include either 98 or 97 as the first two suffix digits.

Example: 3EP9802
3EP9702

(1) The suffix 98 represents composite Line Items for projects estimated to cost less than $5,000,000 but more than $1,000,000.

(2) The suffix 97 represents composite Line Items for projects estimated to cost less than $1,000,000.

b. The project numbering pattern is the same for all programs except Electric, Gas, and Steam Distribution Programs (ED1, GD1 and SD1). The last digit for these budget reference numbers must end with a 1; i.e., 3ED7391, 3GD0031, 3SD8121.

Con Edison Central Operations Procedure

COP: 10-0-5
Title: Project Management
Category: Project Management **Section:** General

Prepared By: Environmental Engineering and Program Support

Approved By: 10/29/04
Sr. Vice President, Central Operations / Date

COP: 10-0-5
Title: Project Management

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1.0 Purpose

1.1 To provide a standard for the development, implementation, and management of projects as defined herein.

2.0 Policy

2.1 This Procedure is the standard and expectation for accomplishing excellence in Project Management within Central Operations. To ensure successful project management, each department within Central Operations shall internalize the 5 phases of Project Management: Project Initiation, Project Scope and Funding, Engineering Design, Construction, and Project Closeout.

3.0 Definitions

3.1 **Engineering Service Request (ESR) -** An electronic form that provides a method to request services or support from Central Engineering in investigating a problem area and developing possible solutions.

3.2 **Advanced Planning Document (APD) -** Presents the problem statement, proposed solutions and includes justification for the project together with a preliminary work scope, and service date.

3.3 **Asset Management Plan (AMP) -** The AMP is a process utilized through Maximo for identifying and allocating labor resources, and work or project prioritization. The AMP is updated to accommodate changes to existing projects, the budget, and the inclusion of new projects.

3.4 **User Organization -** The Organization with responsibility for the system, structure or component (landlord org.).

3.5 **Project -** Work requiring engineering support that cannot be resolved through field or system engineering and results in a modification to a system, structure or component, that typically requires multiple technical disciplines or work groups to complete.

3.6 **Project Manager (PM)** - The individual with overall responsibility for managing the project. On large or critical projects, the User Organization will assign a Project Manager. For smaller projects, the Project Manager responsibilities may be a functional assignment to a qualified individual. The User Organization selects the Project Manager.

3.7 **Project Engineer (PE) -** The individual assigned responsibility to manage the design and other technical aspects of the project. On large or critical projects, Central Engineering will assign a Project Engineer. For smaller projects, the Project Engineer responsibilities may be assigned to a discipline engineer or other qualified individual. The Project Engineer is a member of the Project Team.

3.8 **Construction Manager (CM)** - The individual assigned responsibility for reviewing project constructability, and managing the construction and equipment installation for the project. The Construction Manager is a member of the Project Team and has authority over construction contractors and /or Con Edison personnel assigned to perform construction tasks or manage construction work for the project. The Construction Manager is selected by the applicable construction organization with concurrence from the Project Manager. For smaller projects, the Construction Manager responsibilities may be a functional assignment to a qualified individual.

3.9 **Project Team -** The group of individuals specifically selected to support a project. Project Team members bring special expertise to the project to ensure all aspects of the project receive the proper input and scrutiny.

3.10 **Discipline Engineer –** Individual engineers assigned to provide the technical expertise in a discipline-engineering field of study to support project requirements and engineering deliverables.

4.0 Project Initiation (Exhibit A)

4.1 Projects are initiated from Load Relief Programs, Obsolescence Programs, Reliability Programs, Environmental Programs, Regulatory Requirements, Failed Equipment, and Engineering Service Requests (ESR) or other identified needs.

a. If a project is initiated through an ESR, then Field/System Engineers review the ESR to offer resolution, and route ESRs requiring additional Central Engineering resources, following User Organization approval, to Environmental Engineering and Program Support.

(1) Environmental Engineering and Program Support routes ESRs to the appropriate engineering section for discipline engineering reviews that determine the need for a proposed project, and ensure a timely review in accordance with the Engineering Operations Manual, CE-0301, "Engineering and Construction Projects."

Paper copies of procedures and instructions are uncontrolled and therefore may be outdated. Please consult Outlook Public Folders for the current version prior to use.

4.2 Central Engineering assigns Project Engineers to manage the design phase of a project and:

a. Ensure the Advance Planning Document is developed.

b. Ensure a Property Record ruling is requested.

c. Ensure project has attained authorization in accordance with Corporate Policy, 000-1 "Delegation of Authorities."

d. Ensure project records (i.e. engineering correspondence, design documents, permits, project reviews, evaluations and inspections) are retained in Project Explorer.

e. Provide engineering assistance to all phases of the project from initiation through project closure in accordance with Exhibit A, Central Operations Project Process Flow Chart.

4.3 User Organization assigns a Project Manager to oversee all phases of a project in accordance with Exhibit A, Central Operations Project Process Flow Chart.

a. Project Manager ensures the required project assets are identified and integrated in the Asset Management Plan (AMP) where applicable.

b. Project Manager requests that the appropriate organization assign a Construction Manager to review design constructability and manage the construction phase of the project.

c. Project Manager requests that appropriate organizations identify members of a Project Team as required in the Engineering Operations Manual, CE-0301, "Engineering and Construction Projects."

5.0 **Project Scope and Funding** (Exhibit A)

5.1 The Project Engineer ensures the development of the Scoping Document for submittal for appropriations, in accordance with the Engineering Operations Manual, CE-0301, "Engineering and Construction Projects," and the preparation of the following preliminary design/conceptual drawings or sketches in accordance with Engineering Operations Manual, CE-0401, "Engineering Drawings, Material Lists, and Calculations," to support field walk activities and project scope:

a. Site layout.

b. Equipment layout.

c. One-Line schematics and Piping and Instrument Diagrams (P&IDs).

d. Project Milestones.

5.2 Project Manager arranges field walk with the Project Team.

a. Based on feedback from field walk participants, Project Engineer modifies scope, layout drawings, one-line schematics, and P&IDs.

5.3 Project Engineer coordinates an environmental review with the User EH&S Manager, Construction EH&S and appropriate members of the Project Team to identify potential environmental concerns and ensure Site Investigation and Testing is conducted to mitigate concerns in accordance with the Engineering Operations Manual, CE-0302, "Engineering Evaluations, Reviews, and Inspections" and:

a. Prepares an Environmental and Safety Project Check List in accordance with CEP 11.03 "Environmental, Health and Safety Considerations in Design".

5.4 The Project Engineer addresses environmental test findings and results from site investigation and testing, completes the Scoping Document for submittal, and performs the following:

a. Ensures affected drawings are updated.

b. Reviews Engineering Operations Manual, CE-0301, "Engineering and Construction Projects" and ensures documents required to support the design, and construction of the project are identified and entered into Project Explorer as applicable.

c. Ensures project estimates are developed.

d. If the project is a capital project, ensures appropriation documents are prepared and submitted for approval.

5.5 Project Manager obtains concurrence from Project Team for project schedule and estimate, and ensures:

a. Asset Management Plan where applicable reflects the project schedule and estimate.

b. Work orders for identified work groups are established.

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c. Detailed project schedule is approved, issued, and maintained current.

d. Current Working Estimate (CWE) for the project is initiated and maintained throughout the project.

e. If the Project is an expense project, an Expense Account Number for the project is obtained and the project is incorporated in the user organization's expense budget.

f. Project Appropriation is approved.

6.0 Engineering Design (Exhibit A)

6.1 Project Engineer ensures general arrangement drawings are developed and issued.

6.2 Project Manager coordinates design field walk with Project Engineer, User, Construction Manager, and other applicable working groups and:

a. Identifies potential community concerns.

b. Ensures potential environmental concerns are being addressed.

c. Determines project outage requirements.

d. Ensures potential constructability concerns are identified and addressed.

6.3 Project Engineer ensures requirements are identified for surface and subsurface investigations to support engineering design and, if additional investigations are required, requests the Construction Manager to contract the work and send results to engineering and:

a. Ensures an Environmental and Safety Project Check List is prepared in accordance with CEP 11.03 "Environmental, Health and Safety Considerations in Design".

b. Ensures all permits required to support the project are identified and permit applications are prepared as required.

6.4 Project Engineer ensures drawings, specifications, and applicable databases are prepared, approved, and released in accordance with the outage requirements identified in the schedule for the following as required:

a. Civil/Structural.

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b. Electrical.

c. Environmental.

d. Instrument and Control.

e. Mechanical.

f. Transmission.

6.5 Project Engineer coordinates a Mid-Point design review in accordance with Engineering Operations Manual, CE-0302, "Engineering Evaluations, Reviews, and Inspections."

6.6 Project Engineer and discipline engineers determine what equipment is major and what additional equipment and materials are long lead procurement items, and perform the following:

a. Develop equipment specifications in accordance with Engineering Operations Manual, CE-0501, "Engineering Specifications."

b. Ensure training requirements are identified.

c. Prepare major equipment purchase request letters to Purchasing.

d. Prepare materials lists for long lead materials in accordance with Engineering Operations Manual, CE-0401, "Engineering Drawings, Material Lists, and Calculations."

6.7 User Organization assures requisitions to Purchasing for major equipment, long lead materials, and construction contracts are issued.

6.8 Purchasing obtains proposals for major equipment and long lead material items.

6.9 Project Engineer coordinates technical evaluation of purchased equipment proposals with discipline engineers.

6.10 Purchasing performs the following:

a. Obtains required approvals and Request for Authorization to Purchase (RAP).

b. Conducts pre-award meetings and awards purchase orders.

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c. Forwards vendor drawings to Project Engineer for Project Team review, approval, and incorporation into construction packages as required.

6.11 Discipline engineers review vendor drawings and technical information associated with the purchased equipment and:

a. Ensure equipment/component fabrication is proceeding according to the schedule.

b. Update training requirements.

c. Prepare spare parts lists and preventive maintenance recommendations.

d. Working with the User Organization, prepare operating and maintenance descriptions, instructions, and specifications in accordance with CE-0501 "Engineering Specifications".

e. Ensure Vendor submittals are considered in design and construction packages.

6.12 Project Engineer coordinates preparation of outage step drawings and outage step instructions for outage and non-outage work and obtains concurrence from the following:

a. Construction or Constructor Organization.

b. User Organization.

c. Test Group.

d. System Operation.

6.13 Project Manager coordinates meeting with the Project Team to establish in-service requirements and work sequence for physical electrical/mechanical tie-in to the existing systems, plant modifications, system outages, and system restoration and ensures outage windows are reserved in Outage Scheduling System.

6.14 Project Engineer ensures the Construction Package and the appropriate Construction Specification is prepared for review, comment and is available in Project Explorer.

6.15 Project Manager coordinates construction package review meetings in accordance with Engineering Operations Manual, CE-0302, "Engineering Evaluations, Reviews, and Inspections" with the Project Engineer, Construction Manager, Project Team, User Group/Organization, and all applicable working groups.

a. Project Engineer ensures review comments are resolved, the construction packages are finalized and ensures the following are prepared by discipline engineers for issue in accordance with project milestones:

(1) Relay settings.

(2) Equipment test letters.

(3) Functional Testing requirements.

(4) Operating Diagrams.

(5) Operating instructions.

(6) Station / System descriptions.

6.16 Project Engineer ensures all permits required to support the project are obtained including environmental and building permits.

6.17 Project Manager ensures the Construction Packages are issued to the Construction Manager.

7.0 Construction (Exhibit A)

7.1 Project Manager ensures project start, construction, and completion are within schedule and cost projections.

7.2 Construction Manager prepares and issues requisitions to Purchasing for construction contracts, identifies any special conditions for bidding, and designates one or more Construction Inspectors to the Project.

a. If work is to be performed by Central Operations personnel (MC&S and/or SSO Construction), the Construction Manager ensures work orders are issued for project work.

7.3 Purchasing performs the following:

a. Prepares bidders lists from the list of qualified contractors and issues invitations to bid, with input from the Project Manager assisted by the Project Team.

b. Conducts pre-bid meetings and field visits.

c. If required, coordinates with Project Manager/Project Engineer to obtain clarifications to issues raised by bidders.

d. Provides clarifications to bidders, as required.

e. If required, coordinates with Project Engineer to perform technical evaluation of construction bid proposals in accordance with Engineering Operations Manual, CE-0302, "Engineering Evaluations, Reviews, and Inspections."

f. Conducts finding of fact meetings with Bid Check Estimating when discrepancies arise in the bid submittals and performs commercial evaluations.

g. Identifies apparent successful bidder with input from the Project Manager.

h. Conducts a pre-award meeting with the successful bidder and the Project Team, as required, to ensure there is a clear understanding of the project requirements.

i. Issues a Purchase Order to the successful bidder.

7.4 Construction Manager ensures contractors perform the following in accordance with CI-280-4, "Contract Management" and the Contract Administration Manual:

a. Prepare and submit a site and job specific Environmental, Health and Safety Plan (eHASP).

b. Prepare and submit Schedule and Work Plan.

7.5 User EH&S Group, and the Construction EH&S Group jointly review and accept contractor's site-specific eHASPs.

a. The Construction Manager does not issue a "Notice To Proceed" until the contractor's eHASP has been accepted, and all procurement issues resolved by Purchasing.

7.6 Construction Manager ensures the contractor designates a competent and qualified, full-time site representative to implement the activities required in the eHASP.

7.7 Construction Manager integrates construction schedule into the project schedule and Project Explorer.

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7.8 The Construction Manager manages construction and oversees construction activities in accordance with CI-280-4, "Contract Management" and the guidance provided in the Contract Administration Manual, and:

a. Ensures Environmental, Health, and Safety excellence is the primary goal in planning, organizing, directing, performing and controlling field activities.

(1) Goals relating to field activities shall emphasize safety, environmental concerns, and continued high levels of performance and productivity.

b. Accepts delivery of vendor equipment and ensures all tests, including field trial tests, are completed.

c. Ensures the following:

(1) If the project involves a facility that requires an outage, the Constructor completes non-outage civil/electrical/mechanical construction work so as not to impact outage windows.

(2) Constructor completes all component and system integrity tests in accordance with specifications, codes and engineering standards.

(3) Constructor completes outage work and system and equipment tie-ins in accordance with applicable drawings and instructions.

(4) User Organization completes functional testing and commissioning of equipment.

(5) Constructor submits "as-built" information and drawings to the Project Engineer.

8.0 **Project Close-Out** (Exhibit A)

8.1 The Project Engineer ensures operating and maintenance instructions have been developed and issued and the following completed:

a. Project Explorer has been updated.

b. Equipment databases of record (i.e. MAXIMO and/or PPMIS) reflect the installation of new equipment.

c. Spare parts lists and preventive maintenance recommendations have been issued to the User Organization.

8.2 The Project Manager verifies that the training requirements have been identified and communicated to the applicable user groups.

a. The user groups ensure the training curriculum has been developed and implemented.

8.3 Project Manager ensures the Construction Manager, Project Engineer, applicable test groups, discipline engineers, and User prepare punch lists, and performs the following:

a. Consolidates punch lists into a master punch list.

b. Assigns responsibilities for resolving the punch list items.

c. Ensures all items are resolved.

8.4 Project Manager coordinates closeout inspections with Project Engineer, Construction Manager, and User, and ensures:

a. Contractor performance evaluations are prepared and contractor exit interviews are conducted to jointly review the performance evaluation as contractors work scope is completed.

8.5 User issues acceptance letters for equipment and ensures all system or component integrity tests performed to satisfy specification or code requirements have been performed prior to putting equipment in-service.

8.6 Project Manager ensures "As Constructed Drawings" have been prepared in accordance with CI-290-3, "Obtaining As Constructed Drawings."

8.7 Project Manager refers to CI-610-3, "Project Closeout Procedure" and closes out the project and ensures a Notice of Completion is submitted to Property Record for project closeout.

8.8 Project Manager conducts post construction project review and ensures lessons learned are published and any resulting actions are assigned a responsible individual and tracked until completion as required.

9.0 References

9.1 CE-0301, "Engineering and Construction Projects"

9.2 CE-0302, "Engineering Evaluations, Reviews, and Inspections"

9.3 CE-0401, "Engineering Drawings, Material Lists, and Calculations"

9.4 CE-0501, "Engineering Specifications"

9.5 CEP 11.03, "Environmental, Health and Safety Considerations in Design"

9.6 CI-280-4, "Contract Management"

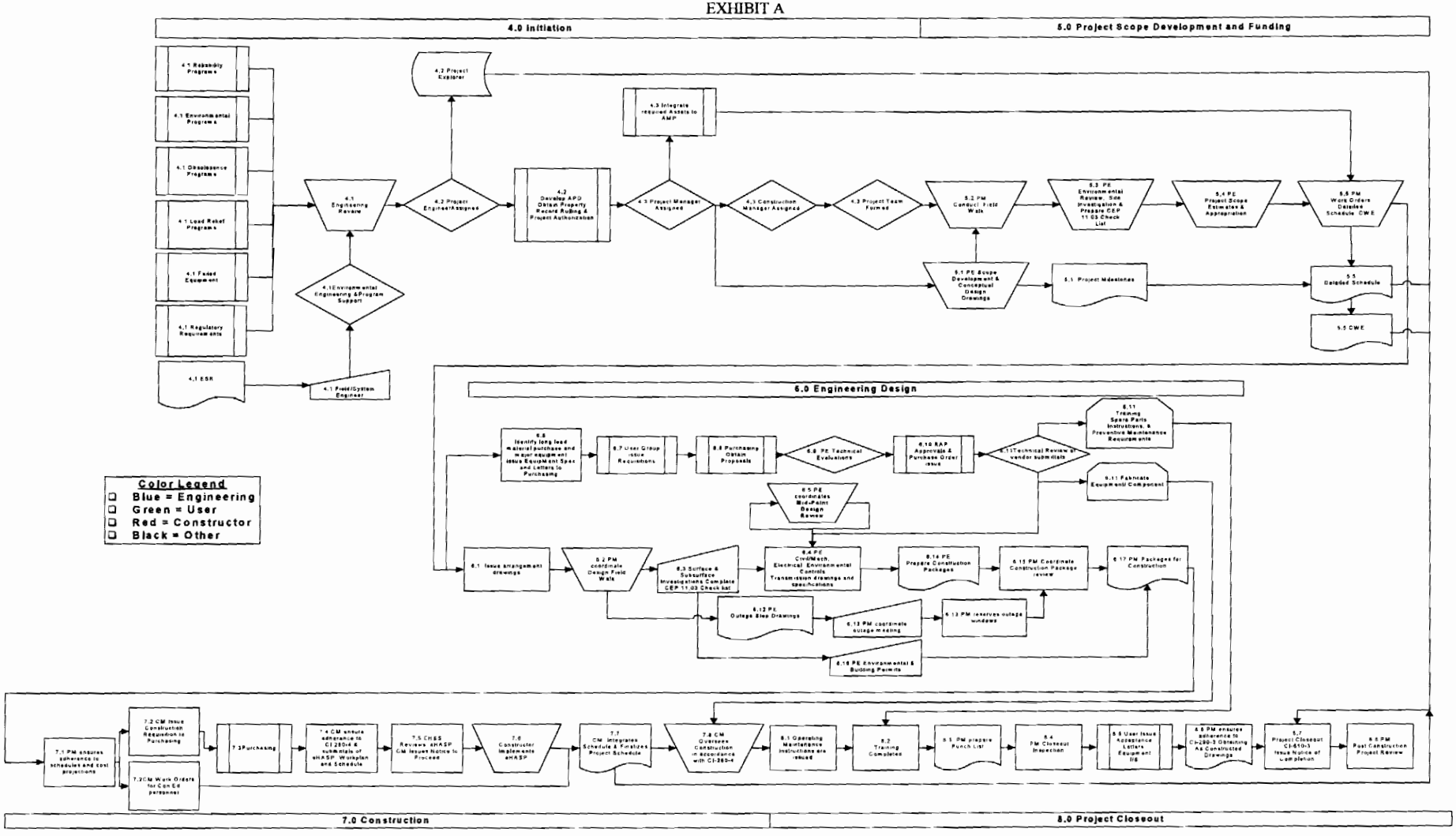
9.7 CI-290-3, "Obtaining 'As Constructed' Drawings"

9.8 CI-610-1, "Capital Budget Process"

9.9 CI-610-2, "General Equipment Budgets, Ordering, Control and Retirement"

9.10 CI-610-3, "Project Closeout Procedure"

EXHIBIT A



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Priority	Number	DESCRIPTION	Rate Case Submission 2009	2010	2011	3 Year Total 2009-2011
		Support Economic Growth	**$ 329,786**	**$ 306,065**	**$ 311,510**	**$ 947,361**
		New Business				
High	8	- ED1 costs	157,000	143,000	142,000	$ 442,000
High	10	- Meter Installation	17,721	17,771	18,071	53,563
		Sub-Total	**$ 174,721**	**$ 160,771**	**$ 160,071**	**$ 495,563**
		System Reinforcement Area SS Load Relief				
High	11	White Plains to Rockview S/S	-	2,000	10,000	12,000
High	11	Sherman Creek to East 179th Street – 6 MW Transfer	500	-	-	500
High	11	Newtown	10,000	8,000	-	18,000
High	11	Astor (Herald Sq. Transfer)	3,000	-	-	3,000
High	11	Penn/Waterside	4,500	2,100	-	6,600
High	11	Hunter to East 75th St. Substation	-	1,100	14,100	15,200
High	11	Fox Hills/Fresh Kills Load Transfer Capability	1,200	-	-	1,200
High	11	Randall's Island	2,500	-	-	2,500
High	11	York Substation to Lenox Hill	1,800	10,600	5,200	17,600
High	11	City Hall to Cortlandt 25 MW	1,100	2,000	-	3,100
		Sub-Total	**$ 24,600**	**$ 25,800**	**$ 29,300**	**$ 79,700**
		Base Growth / Relief				
High	12	Primary Feeder Relief	43,288	43,808	44,342	131,438
High	13-14-50	Network Transformers Relief	54,700	45,620	46,158	146,478
Med	40	NonNetwork Fdr Relief (Open Wire)	11,536	11,672	13,011	36,219
Med	46	Overhead Transformer Relief	2,192	2,192	2,192	6,576
		Sub-Total	**$ 111,716**	**$ 103,292**	**$ 105,703**	**$ 320,711**
		Distribution Substation				
High	90	Distribution Substation Load Relief	6,400	6,400	6,400	19,200
		Sub-Total	**$ 6,400**	**$ 6,400**	**$ 6,400**	**$ 19,200**
High	9	**Meter Purchase**	12,349	9,802	10,036	32,187
		System and Component Performance	**$ 573,921**	**$ 565,143**	**$ 563,721**	**$ 1,702,785**
High	11	Elmsford Refurbishment	-	1,300	2,000	3,300
High	11	59th Street Bridge Crossing	-	-	2,000	2,000
High	1	Emergency Primary Cable Replacement	56,228	56,056	53,856	166,140
High	2	Overhead	14,267	14,267	14,267	42,801
High	17	Emergency Service Replacement	20,053	20,053	20,053	60,159
High	6	Street Lights	15,253	15,003	14,753	45,009
High	3	Transformer Installation	22,551	21,146	21,146	64,843
High	11	(Primary) Cable Crossings	8,000	8,000	8,000	24,000
Med	36	HiPot	5,399	5,498	5,600	16,497
High	15	PILC	33,000	33,000	33,000	99,000
High	18	Transformer Remote Monitoring System	9,800	13,000	13,000	35,800
High	21	Sectionalizing Switches (SF6)	4,243	4,356	4,475	13,074
High	18	Underground Secondary Reliability Program	55,266	50,612	57,181	163,059
High	16	Secondary Open Mains	144,150	139,245	129,871	413,266
Low	70	Grounding Transformers	150	180	150	480
Med	51	Shunt reactors	1,376	2,761	2,788	6,925
High	23	Network Reliability	25,206	25,723	26,545	77,474
Med	55	Coastal Storm Risk Mitigation	3,000	3,000	3,000	9,000
High	4	**Transformer Purchase**	150,118	147,106	147,140	444,364
		Sub-Total	**$ 568,060**	**$ 560,306**	**$ 558,825**	**$ 1,687,191**
		Distribution Substation Modernization				
Low	81	Trip Coil Monitor	235	235	235	705
Med	60	USS Automation	150	150	150	450
Low	82	Facility Improvement Program	425	-	-	425
High	27	Tap Changer Position Indicator System	132	132	-	264
High	28	Temperature Gauges	100	100	100	300
Med	61	USS Transformer Replacement	600	600	600	1,800
Med	62	4kV USS Switchgear Replacement	2,200	2,200	2,200	6,600
Med	63	USS Life Extension Program	1,769	1,170	1,361	4,300
High	30	Auto Reclose On Bank Breakers	250	250	250	750
		Sub-Total	**$ 5,861**	**$ 4,837**	**$ 4,896**	**$ 15,594**
		Public Safety and Environmental	**$ 18,414**	**$ 11,095**	**$ 11,095**	**$ 40,604**
Med	42	Oil Minders	600	600	600	1,800
High	7	Vented Manhole Cover	10,000	-	-	10,000
High	26	Street Light Isolation Transformers	7,814	10,495	10,495	28,804
		Total	**$ 18,414**	**$ 11,095**	**$ 11,095**	**$ 40,604**

Consolidated Edison Company of New York, Inc.
Redacted
Electric Operations
Capital Programs

Priority	Number	DESCRIPTION	Rate Case Submission 2009	2010	2011	3 Year Total 2009-2011
		Storm Hardening and Response	**$ 32,453**	**$ 31,616**	**$ 30,100**	**$ 94,169**
Med	41	C Truss Program	1,746	1,763	1,780	5,289
Med	48	Anderson Switch Replacement	100	100	100	300
High	19	Autoloop Reliability	7,376	7,359	7,528	22,263
Med	53	Aerial (Okonite) Cable Replacement	2,521	2,532	2,544	7,597
Med	49	#4,#6 Self Supporting Wire	3,165	3,169	3,175	9,509
Med	54	ESCO Switch Replacement (Kyle)	2,509	2,333	2,358	7,200
Med	56	33 kV Interruptible Switches	435	335	320	1,090
Low	73	3 Phase Gang Switch Replacement	400	400	400	1,200
Low	75	13kV Feeder Sectionalizing	97	21	24	142
Low	76	Automated Emergency Ties	750	750	750	2,250
Med	57	Overhead Feeder Reliability	750	750	1,125	2,625
Med	58	Rear-Lot Pole Elimination	1,437	1,437	1,437	4,311
High	29	Enhanced 4kV Grid Monitoring	2,500	3,500	2,500	8,500
Med	43	4kV UG Reliability	1,111	1,111	1,111	3,333
Low	77	Overhead Secondary Reliability Program	500	500	500	1,500
Med	39	Targeted Primary DBC Replacement	800	800	800	2,400
Low	79	URD Cable Rejuvenation/Fault Indicator	806	806	198	1,810
Med	44	Emergency Equipment Management System	3,000	1,500	1,000	5,500
Med	59	ATS Installation USS Reliability XW	2,450	2,450	2,450	7,350
		Total	**$ 32,453**	**$ 31,616**	**$ 30,100**	**$ 94,169**
		Advanced Technology	**$ 39,064**	**$ 30,017**	**$ 27,267**	**$ 96,348**
High	20	Secondary Visualization Model	4,250	2,553	2,553	9,356
High	31	Secondary Monitoring (Secondary Model Validation)	4,000	4,000	6,000	14,000
Med	65	Distribution Engineering Workstation	2,500	2,500	2,500	7,500
Med	52	Pole Attachment Project	1,400	1,400	-	2,800
High	25	Grid Optimization	900	900	900	2,700
High	32	Integrated System Model	1,750	1,750	1,750	5,250
High	33	Decision Aids	1,500	1,500	1,500	4,500
High	34	Area Profile System	100	100	100	300
Med	67	Joint Pole Use Software	450	450	-	900
Common	86	Energy Efficiency IT Systems Development	2,184	1,184	1,184	4,552
High	35	High Tension Monitoring Data Acquisition System	730	730	730	2,190
Common	66	Meter Shop ADAMS	1,250	-	-	1,250
Common	86	Integrated Route Sheet (Work Management)	3,000	1,500	1,000	5,500
Common	86	Transformer Asset Mgmt.	3,000	2,000	-	5,000
Common	86	4kV Load Shedding System	450	600	450	1,500
Common	86	ATS Automation	150	100	100	350
Common	86	Power Quality (PQNodes) System Upgrade	1,650	1,650	-	3,300
Common	86	SCADA Systems Consolidation	800	600	500	1,900
Common	86	Electric Distribution Control Center Upgrades	2,500	1,500	5,000	9,000
Common	86	Mapping System Upgrades	6,500	5,000	3,000	14,500
		Total	**$ 39,064**	**$ 30,017**	**$ 27,267**	**$ 96,348**
		Process Improvement	**$ 2,400**	**$ 13,900**	**$ 18,000**	**$ 34,300**
Med	68	Work Management Systems	1,500	13,500	18,000	33,000
Low	84	Accounting by Network	300	-	-	300
Common	86	Commercial Service Representative Automation	600	400	-	1,000
		Total	**$ 2,400**	**$ 13,900**	**$ 18,000**	**$ 34,300**
		TOTAL ELECTRIC OPERATIONS	**$ 996,038**	**$ 957,836**	**$ 961,693**	**$ 2,915,567**

DESCRIPTION
Support Economic Growth
New Business
- ED1 costs
- Meter Installation
Sub-Total
System Reinforcement Area SS Load Relief
White Plains to Rockview S/S
Sherman Creek to East 179th Street – 6 MW Transfer
Newtown
Astor (Herald Sq. Transfer)
Penn/Waterside
Hunter to East 75th St. Substation
Fox Hills/Fresh Kills Load Transfer Capability
Randall's Island
York Substation to Lenox Hill
City Hall to Cortlandt 25 MW
Sub-Total
Base Growth / Relief
Primary Feeder Relief
Network Transformers Relief
NonNetwork Fdr Relief (Open Wire)
Overhead Transformer Relief
Sub-Total
Distribution Substation
Distribution Substation Load Relief
Sub-Total
Meter Purchase
System and Component Performance
Elmsford Refurbishment
59th Street Bridge Crossing
Emergency Primary Cable Replacement
Overhead
Emergency Service Replacement
Street Lights
Transformer Installation
(Primary) Cable Crossings
HiPot
PILC
Transformer Remote Monitoring System
Sectionalizing Switches (SF6)
Underground Secondary Reliability Program
Secondary Open Mains
Grounding Transformers
Shunt reactors
Network Reliability
Coastal Storm Risk Mitigation
Transformer Purchase
Sub-Total
Distribution Substation Modernization
Trip Coil Monitor
USS Automation
Facility Improvement Program
Tap Changer Position Indicator System
Temperature Gauges
USS Transformer Replacement
4kV USS Switchgear Replacement
USS Life Extension Program
Auto Reclose On Bank Breakers
Sub-Total
Public Safety and Environmental
Oil Minders
Vented Manhole Cover
Street Light Isolation Transformers
Total

DESCRIPTION
Storm Hardening and Response
C Truss Program
Anderson Switch Replacement
Autoloop Reliability
Aerial (Okonite) Cable Replacement
#4,#6 Self Supporting Wire
ESCO Switch Replacement (Kyle)
33 kV Interruptible Switches
3 Phase Gang Switch Replacement
13kV Feeder Sectionalizing
Automated Emergency Ties
Overhead Feeder Reliability
Rear-Lot Pole Elimination
Enhanced 4kV Grid Monitoring
4kV UG Reliability
Overhead Secondary Reliability Program
Targeted Primary DBC Replacement
URD Cable Rejuvenation/Fault Indicator
Emergency Equipment Management System
ATS Installation USS Reliability XW
Total
Advanced Technology
Secondary Visualization Model
Secondary Monitoring (Secondary Model Validation)
Distribution Engineering Workstation
Pole Attachment Project
Grid Optimization
Integrated System Model
Decision Aids
Area Profile System
Joint Pole Use Software
Energy Efficiency IT Systems Development
High Tension Monitoring Data Acquisition System
Meter Shop ADAMS
Integrated Route Sheet (Work Management)
Transformer Asset Mgmt.
4kV Load Shedding System
ATS Automation
Power Quality (PQNodes) System Upgrade
SCADA Systems Consolidation
Electric Distribution Control Center Upgrades
Mapping System Upgrades
Total
Process Improvement
Work Management Systems
Accounting by Network
Commercial Service Representative Automation
Total
TOTAL ELECTRIC OPERATIONS

Consolidated Edison Company of New York, Inc.
Electric Operations
Capital Programs

Priority	Number	DESCRIPTION	2008 - 2012 Five Year Plan				
			2008	2009	2010	2011	2012
		Support Economic Growth	**$ 354,433**	**$ 329,786**	**$ 306,065**	**$ 311,510**	**$ 296,185**
		New Business					
High	8	- ED1 costs	137,000	157,000	143,000	142,000	142,000
High	10	- Meter Installation	19,564	17,721	17,771	18,071	18,071
		Sub-Total	**$ 156,564**	**$ 174,721**	**$ 160,771**	**$ 160,071**	**$ 160,071**
		System Reinforcement Area SS Load Relief					
High	11	Hell Gate Load Transfer (Bruckner 8MW)	200	-	-	-	-
High	11	White Plains to Rockview S/S	-	-	2,000	10,000	5,000
High	11	Granite Hill to Rockview	8,700	-	-	-	-
High	11	Sherman Creek to East 179th Street – 6 MW Transfer	-	500	-	-	-
High	11	Newtown	10,000	10,000	8,000	-	-
High	11	Astor (Herald Sq. Transfer)	12,000	3,000	-	-	-
High	11	Parkview (East Harlem Network)	14,000	-	-	-	-
High	11	Penn/Waterside	5,000	4,500	2,100	-	-
High	11	Hunter to East 75th St. Substation	-	-	1,100	14,100	3,700
High	11	Fox Hills/Fresh Kills Load Transfer Capability	-	1,200	-	-	-
High	11	Willowbrook	-	-	-	-	3,000
High	11	Randall's Island	6,000	2,500	-	-	-
High	11	York Substation to Lenox Hill	-	1,800	10,600	5,200	-
High	11	City Hall to Cortlandt 25 MW	-	1,100	2,000	-	-
		Sub-Total	**$ 55,900**	**$ 24,600**	**$ 25,800**	**$ 29,300**	**$ 11,700**
		Base Growth / Relief					
High	12	Primary Feeder Relief	43,493	43,288	43,808	44,342	44,295
High	13-14-50	Network Transformers Relief	64,306	54,700	45,620	46,158	46,460
Med	40	NonNetwork Fdr Relief (Open Wire)	8,362	11,536	11,672	13,011	13,100
Med	45	4kV Feeder & Wire Relief	7,249	-	-	-	-
Med	46	Overhead Transformer Relief	1,042	2,192	2,192	2,192	2,192
Med	47	Secondary Main Relief	1,150	-	-	-	-
		Sub-Total	**$ 125,602**	**$ 111,716**	**$ 103,292**	**$ 105,703**	**$ 106,047**
		Distribution Substation					
High	90	Distribution Substation Load Relief	4,400	6,400	6,400	6,400	6,400
		Sub-Total	**$ 4,400**	**$ 6,400**	**$ 6,400**	**$ 6,400**	**$ 6,400**
High	9	**Meter Purchase**	11,967	12,349	9,802	10,036	11,967
		System and Component Performance	**$ 515,370**	**$ 573,921**	**$ 565,143**	**$ 563,721**	**$ 579,905**
High	11	Elmsford Refurbishment	-	-	1,300	2,000	-
High	11	59th Street Bridge Crossing	-	-	-	2,000	5,000
High	1	Emergency Primary Cable Replacement	57,547	56,228	56,056	53,856	53,856
High	2	Overhead	15,353	14,267	14,267	14,267	14,267
High	17	Emergency Service Replacement	20,115	20,053	20,053	20,053	20,053
High	6	Street Lights	16,193	15,253	15,003	14,753	14,753
High	3	Transformer Installation	25,171	22,551	21,146	21,146	21,146
High	11	(Primary) Cable Crossings	3,135	8,000	8,000	8,000	9,000
Med	36	HiPot	3,310	5,399	5,498	5,600	6,100
High	15	PILC	33,000	33,000	33,000	33,000	33,000
High	18	Transformer Remote Monitoring System	17,845	9,800	13,000	13,000	13,000
High	21	Sectionalizing Switches (SF6)	3,208	4,243	4,356	4,475	4,501
High	18	Underground Secondary Reliability Program	42,434	55,266	50,612	57,181	70,727
High	16	Secondary Open Mains	123,333	144,150	139,245	129,871	129,871
Low	70	Grounding Transformers	1,226	150	180	150	150
Med	51	Shunt reactors	227	1,376	2,761	2,788	2,790
High	23	Network Reliability	18,441	25,206	25,723	26,545	26,545
Med	55	Coastal Storm Risk Mitigation	3,000	3,000	3,000	3,000	3,000
		Transformer Purchase	125,592	150,118	147,106	147,140	147,250
		Sub-Total	**$ 509,130**	**$ 568,060**	**$ 560,306**	**$ 558,825**	**$ 575,009**
		Distribution Substation Modernization					
Low	81	Trip Coil Monitor	235	235	235	235	235
Med	60	USS Automation	150	150	150	150	150
Low	82	Facility Improvement Program	725	425	-	-	-
High	27	Tap Changer Position Indicator System	250	132	132	-	-
High	28	Temperature Gauges	100	100	100	100	100
Med	61	USS Transformer Replacement	600	600	600	600	600
Med	62	4kV USS Switchgear Replacement	2,200	2,200	2,200	2,200	2,200
Med	63	USS Life Extension Program	1,730	1,769	1,170	1,361	1,361
High	30	Auto Reclose On Bank Breakers	250	250	250	250	250
		Sub-Total	**$ 6,240**	**$ 5,861**	**$ 4,837**	**$ 4,896**	**$ 4,896**

Consolidated Edison Company of New York, Inc.
Electric Operations
Capital Programs

Priority	Number	DESCRIPTION	2008	2009	2010	2011	2012
			2008 - 2012 Five Year Plan				
		Public Safety and Environmental	**$ 9,200**	**$ 18,414**	**$ 11,095**	**$ 11,095**	**$ 11,095**
Med	42	Oil Minders	600	600	600	600	600
High	7	Vented Manhole Cover	3,000	10,000	-	-	-
High	22	Tank Rupture Mitigation	900	-	-	-	-
High	24	Network Transformer Natural Ester (FR3) program	600	-	-	-	-
High	26	Street Light Isolation Transformers	4,100	7,814	10,495	10,495	10,495
		Total	**$ 9,200**	**$ 18,414**	**$ 11,095**	**$ 11,095**	**$ 11,095**
		Storm Hardening and Response	**$ 19,146**	**$ 32,453**	**$ 31,616**	**$ 30,100**	**$ 29,736**
Med	41	C Truss Program	1,404	1,746	1,763	1,780	1,738
Med	48	Anderson Switch Replacement	63	100	100	100	100
High	19	Autoloop Reliability	4,975	7,376	7,359	7,528	7,450
Med	53	Aerial (Okonite) Cable Replacement	500	2,521	2,532	2,544	2,550
Med	49	#4,#6 Self Supporting Wire	2,301	3,165	3,169	3,175	3,175
Med	54	ESCO Switch Replacement (Kyle)	2,000	2,509	2,333	2,358	2,600
Med	56	33 kV Interruptible Switches	-	435	335	320	320
Low	73	3 Phase Gang Switch Replacement	-	400	400	400	408
Low	74	4kV Feeder Sectionalizing	306	-	-	-	-
Low	75	13kV Feeder Sectionalizing	-	97	21	24	24
Low	76	Automated Emergency Ties	-	750	750	750	750
Med	45	Overhead Feeder Reliability	1,848	750	750	1,125	1,125
Med	58	Rear-Lot Pole Elimination	-	1,437	1,437	1,437	1,437
High	29	Enhanced 4kV Grid Monitoring	1,500	2,500	3,500	2,500	2,500
Med	43	4kV UG Reliability	611	1,111	1,111	1,111	1,111
Low	77	Overhead Secondary Reliability Program	-	500	500	500	500
Med	39	Targeted Primary DBC Replacement	2,588	800	800	800	800
Low	79	URD Cable Rejuvenation/Fault Indicator	-	806	806	198	198
Med	44	Emergency Equipment Management System	-	3,000	1,500	1,000	500
Med	59	ATS Installation USS Reliability XW	1,050	2,450	2,450	2,450	2,450
		Total	**$ 19,146**	**$ 32,453**	**$ 31,616**	**$ 30,100**	**$ 29,736**
		Advanced Technology	**$ 21,425**	**$ 39,064**	**$ 30,017**	**$ 27,267**	**$ 14,774**
Common	86	Distribution Simulator	-	-	-	-	2,000
High	20	Secondary Visualization Model	2,900	4,250	2,553	2,553	1,160
High	31	Secondary Monitoring (Secondary Model Validation)	2,000	4,000	4,000	6,000	6,000
Med	44	System Trouble Analysis and Response (STAR)	1,000	-	-	-	-
Med	65	Distribution Engineering Workstation	-	2,500	2,500	2,500	2,500
Med	52	Pole Attachment Project	1,050	1,400	1,400	-	-
High	25	Grid Optimization	900	900	900	900	-
High	32	Integrated System Model	1,750	1,750	1,750	1,750	-
High	33	Decision Aids	2,225	1,500	1,500	1,500	-
High	34	Area Profile System	100	100	100	100	100
Med	67	Joint Pole Use Software	450	450	450	-	-
High	20	Heads Up Display	1,000	-	-	-	-
Common	86	Energy Efficiency IT Systems Development	-	2,184	1,184	1,184	784
High	35	High Tension Monitoring Data Acquisition System	500	730	730	730	730
Common	86	Meter Shop ADAMS	750	1,250	-	-	-
Common	86	Integrated Route Sheet (Work Management)	500	3,000	1,500	1,000	-
Common	86	Transformer Asset Mgmt.	750	3,000	2,000	-	-
Common	86	4kV Load Shedding System	150	450	600	450	-
Common	86	ATS Automation	-	150	100	100	-
Common	86	Power Quality (PQNodes) System Upgrade	1,150	1,650	1,650	-	-
Common	86	SCADA Systems Consolidation	1,250	800	600	500	-
Common	86	Electric Distribution Control Center Upgrades	2,000	2,500	1,500	5,000	-
Common	86	Mapping System Upgrades	1,000	6,500	5,000	3,000	1,500
		Total	**$ 21,425**	**$ 39,064**	**$ 30,017**	**$ 27,267**	**$ 14,774**
		Process Improvement	**$ 3,319**	**$ 2,400**	**$ 13,900**	**$ 18,000**	**$ 32,280**
Med	68	Work Management Systems	-	1,500	13,500	18,000	32,280
Low	84	Accounting by Network	1,000	300	-	-	-
Common	86	Commercial Service Representative Automation	600	600	400	-	-
Common	86	Electric Mobile Dispatch & Extend to Construction	1,200	-	-	-	-
Common	86	Wireless Support for Electric Operations	519	-	-	-	-
		Total	**$ 3,319**	**$ 2,400**	**$ 13,900**	**$ 18,000**	**$ 32,280**
		TOTAL ELECTRIC OPERATIONS	**$ 922,893**	**$ 996,038**	**$ 957,836**	**$ 961,693**	**$ 963,975**

Title	Priority	$000s Rate Case Submission Forecast RYE 2009	Forecast RYE 2010	Forecast RYE 2011	Forecast RYE 2012	Forecast RYE 2013
Support Economic Growth		**$1,111**	**$3,105**	**$4,025**	**$5,129**	**$5,129**
Customer Focused Service Ruling Program	High 11	$244	$226	$226	$226	$226
SMART Electric Technologies - new program	High 16	$592	$592	$592	$592	$592
500 MW DSM Monitoring & Verification	High 17	$0	$292	$384	$476	$476
500 MW DSM Market Research Support	High 18	$0	$400	$400	$400	$400
500 MW DSM Program Administration	High 19	$0	$920	$1,748	$2,760	$2,760
500 MW DSM Training	High 20	$0	$200	$200	$200	$200
500 MW DSM Website Development	High 21	$0	$200	$200	$200	$200
Commerical Service Representative Automation	Medium 2	$275	$275	$275	$275	$275
System and Component Performance		**$3,225**	**$13,106**	**$13,706**	**$13,466**	**13,466**
Unit Substation repairs and inspection	Medium 7	$2,325	$1,097	$1,097	$1,097	$1,097
Automatic Transfer Switch Operator Replacement	Low 2	$900	$900	$900	$160	$160
RMS Response Group	Medium 12	$0	$1,820	$1,820	$1,820	$1,820
Electrical Engineering Support - Man	Medium 13	$0	$4,740	$4,840	$4,840	$4,840
O&M Vault Repairs - Man	High 10	$0	$4,549	$5,049	$5,549	$5,549
Public Safety and Environmental		**$71,867**	**$72,700**	**$74,393**	**$75,587**	**$75,587**
Dissolved Gas in Oil Analysis (DGOA)	High 2	$3,725	$3,941	$3,966	$3,990	$3,990
5 Year OH Inspection Program	High 5	$1,089	$3,226	$3,351	$3,481	$3,481
5-Year UG Structure Inspection Program	High 6	$35,001	$23,829	$23,691	$23,691	$23,691
Annual Stray Voltage Testing Program	High 7	$12,500	$8,892	$8,892	$8,892	$8,892
Electric Distribution Inspection System (EDIS) Improvements	Medium 16	$30	$200	$200	$200	$200
Mobile Stray Voltage Testing - Sarnoff devices	High 8	$14,850	$21,074	$22,009	$23,022	$23,022
Network Transformer vault cleaning program	High 9	$4,357	$6,951	$7,697	$7,724	$7,724
Central Quality Assurance	Medium 3	$315	$4,587	$4,587	$4,587	$4,587
Storm Hardening and Response		**$18,434**	**$21,052**	**$21,052**	**$21,052**	**$21,052**
Customer Response Program	High 12	$418	$388	$388	$388	$388
Danger Tree Removal	High 3	$632	$634	$634	$634	$634
3-Phase Gang Switch Inspection and Repair program	Low 3	$101	$349	$349	$349	$349
Line Clearance Program	High 4	$13,755	$15,433	$15,433	$15,433	$15,433
Overhead Planning Group	Medium 15	$131	$163	$163	$163	$163
Double Wood program	High 1	$1,000	$2,648	$2,648	$2,648	$2,648
Rear Lot Pole Elimination	Low 1	$2,397	$1,437	$1,437	$1,437	$1,437
Process Improvement		**$11,364**	**$14,086**	**$16,196**	**$18,332**	**$18,332**
Area System Profile Program	Medium 1	$100	$100	$100	$100	$100
Technical Support/NYC Regulatory Liaison Program	High 13	$376	$220	$220	$220	$220
Field Auditing & Quality Control Program	High 14	$563	$394	$394	$394	$394
NAICS Code Append	High 15	$50	$12	$12	$38	$38
Establishment of a Regional Contractor Oversight / Review Group	Medium 17	$126	$237	$237	$237	$237
Electric Operations Process Management - EOPM	Medium 4	$800	$800	$800	$800	$800
Engineering Contractor -Vendor Layouts	Medium 5	$497	$497	$497	$497	$497
Enhanced Project Planning	Medium 6	$7,834	$9,358	$9,358	$9,358	$9,358
Electric Distribution Equipment Reconditioning & Repairs	Low 4	$1,018	$1,018	$1,018	$1,018	$1,018
Accounting By Network	Medium 8	$0	$350	$350	$350	$350
Mapping System Upgrade - IT	Medium 18	$0	$0	$2,000	$4,000	$4,000
COOP's	Medium 9	$0	$350	$350	$350	$350
Senior Civil Engineers	Medium 10	$0	$100	$100	$100	$100
Staffing Additions - DE	Medium 11	$0	$110	$220	$330	$330
Programming resources for Electric Operations Applications – FIN Team	Meduim 14	$0	$540	$540	$540	$540
Total of Programs Listed Above for Electric Operations O&M		**$106,001**	**$124,049**	**$129,372**	**$133,566**	**$133,566**

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Consolidated Edison Company of New York, Inc.
Electric Operations O & M Programs

Title	Priority	$000s			
		2007 Historical Spending for rate case requests	Requested Amount Approved in 2008 Rate Case	Program Change 2010	Forecast RYE 2010
Support Economic Growth		**$450**	**$1,111**	**$2,655**	**$3,105**
Customer Focused Service Ruling Program	High 11	$0	$244	$226	$226
SMART Electric Technologies - new program	High 16	$0	$592	$592	$592
500 MW DSM Monitoring & Verification	High 17	$0	new	$292	$292
500 MW DSM Market Research Support	High 18	$450	new	($50)	$400
500 MW DSM Program Administration	High 19	$0	new	$920	$920
500 MW DSM Training	High 20	$0	new	$200	$200
500 MW DSM Website Development	High 21	$0	new	$200	$200
Commerical Service Representative Automation	Medium 2	$0	$275	$275	$275
System and Component Performance		**$5,435**	**$3,225**	**$7,671**	**$13,106**
Unit Substation repairs and inspection	Medium 7	$0	$2,325	$1,097	$1,097
Automatic Transfer Switch Operator Replacement	Low 2	$0	$900	$900	$900
RMS Response Group	Medium 12	$0	new	$1,820	$1,820
Electrical Engineering Support - Man	Medium 13	$2,844	new	$1,896	$4,740
O&M Vault Repairs - Man	High 10	$2,591	new	$1,958	$4,549
Public Safety and Environmental		**$35,072**	**$71,867**	**$37,629**	**$72,700**
Dissolved Gas in Oil Analysis (DGOA)	High 2	$3,745	$3,725	$196	$3,941
5 Year OH Inspection Program	High 5	$0	$1,089	$3,226	$3,226
5-Year UG Structure Inspection Program	High 6	$12,347	$35,001	$11,482	$23,829
Annual Stray Voltage Testing Program	High 7	$7,354	$12,500	$1,538	$8,892
Electric Distribution Inspection System (EDIS) Improvements	Medium 16	$0	$30	$200	$200
Mobile Stray Voltage Testing - Sarnoff devices	High 8	$11,321	$14,850	$9,754	$21,074
Network Transformer vault cleaning program	High 9	$115	$4,357	$6,836	$6,951
Central Quality Assurance	Medium 3	$190	$315	$4,397	$4,587
Storm Hardening and Response		**$15,715**	**$18,434**	**$5,337**	**$21,052**
Customer Response Program	High 12	$0	$418	$388	$388
Danger Tree Removal	High 3	$0	$632	$634	$634
3-Phase Gang Switch Inspection and Repair program	Low 3	$78	$101	$271	$349
Line Clearance Program	High 4	$13,529	$13,755	$1,904	$15,433
Overhead Planning Group	Medium 15	$0	$131	$163	$163
Double Wood program	High 1	$2,108	$1,000	$540	$2,648
Rear Lot Pole Elimination	Low 1	$0	$2,397	$1,437	$1,437
Process Improvement		**$9,131**	**$11,364**	**$4,955**	**$14,086**
Area System Profile Program	Medium 1	$0	$100	$100	$100
Technical Support/NYC Regulatory Liaison Program	High 13	$150	$376	$70	$220
Field Auditing & Quality Control Program	High 14	$150	$563	$244	$394
NAICS Code Append	High 15	$40	$50	($28)	$12
Establishment of a Regional Contractor Oversight / Review Group	Medium 17	$0	$126	$237	$237
Electric Operations Process Management - EOPM	Medium 4	$0	$800	$800	$800
Engineering Contractor -Vendor Layouts	Medium 5	$276	$497	$221	$497
Enhanced Project Planning	Medium 6	$7,822	$7,834	$1,536	$9,358
Electric Distribution Equipment Reconditioning & Repairs	Low 4	$693	$1,018	$325	$1,018
Accounting By Network	Medium 8	$0	new	$350	$350
Mapping System Upgrade - IT	Medium 18	$0	new	$0	$0
COOP's	Medium 9	$0	new	$350	$350
Senior Civil Engineers	Medium 10	$0	new	$100	$100
Staffing Additions - DE	Medium 11	$0	new	$110	$110
Programming resources for Electric Operations Applications – FIN Team	Meduim 14	$0	new	$540	$540
Total of Programs Listed Above for Electric Operations O&M		**$65,803**	**$106,001**	**$58,247**	**$124,049**

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conEdison

CONSOLIDATED EDISON COMPANY OF NEW YORK, INC.
4 IRVING PLACE
NEW YORK, NY 10003

DISTRIBUTION ENGINEERING
PERFORMANCE OPERATIONAL ENGINEERING SECTION

SPECIFICATION EOP - 5314
REVISION 4
JUNE, 2008

EFFECTIVE DATE
JUNE 1, 2008

ELECTRIC OPERATIONS--ENGINEERING AND DESIGN: ED-1 BUDGET PRIORITIZATION

FILE: ELECTRIC OPERATIONS GUIDELINES
MANUAL NO. 9

TARGET AUDIENCE	**DISTRIBUTION ENGINEERING** **REGIONAL ENGINEERING**
NESC REFERENCE	**ALL SECTIONS**

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1.0 PURPOSE

To achieve the company's distribution system improvement program objectives, assign responsibility for prioritizing ED-1 projects and specify the annual work prioritization process.

2.0 POLICY

Distribution system capital projects will be prioritized based on the annual ED-1 budgeted funds on a system-wide basis. ED-1 Program funding based upon approved rate case amounts shall be completed to meet the commitments of the rate case. System reinforcement projects will be prioritized based on the greatest impact on system performance improvement that can be obtained for the funds expended.

3.0 ED-1 BUDGET CATEGORIES

ED-1 budget includes the following business categories based upon the company's mission and the strategic business plan that support this mission.
The annual and the five year budget process provide the funding required achieving this mission. The ED – 1 business activities are:

Public and Employee safety programs
Customer demand and Emergency response
Regulatory and Environmental excellence programs
System reliability programs
Strategic IT initiatives

4.0 DEFINITIIONS

3.1 Funding. Monies budgeted for specific projects or programs.

3.2 Overload. Load condition that is most likely to result in system component failure.

3.3 Undervoltage. Voltage condition threshold that will render customer equipment inoperable.

4.0 FUNDING PRIORITIZATION

4.1 Priority Levels. The Chief Distribution Engineer (CDE) will review proposed programs/projects to determine prioritization for funding projects in the ED-1 capital budget. Funding shall be determined based on meeting program objectives, risk assessment and availability of human resources.

The ED-1 budget priorities shall be as follows:

4.1.1 PRIORITY 1: Public and Employee Safety Programs

Public and Employee safety programs developed to mitigate public and employee safety risks, such as: Vented Manhole Cover replacement, Transformer failure mitigation and Overhead Pole Inspection (Osmose Pole treatment) programs.

4.1.2 PRIORITY 2: Customer Demand and Emergency Response

These include system reinforcement and new equipment installed to meet forecasted system electric load growth and customer expectations including emergency response. Area substation load relief projects and Primary feeder relief shall be within this priority. Exhibit A provides further guidance on prioritizing the various programs within this business category.

4.1.3 PRIORITY 3: Regulatory / Environmental Excellence Programs

Public improvement projects requiring relocation of company facilities and environmental programs, such as Oil Minder equipment installation and other such programs.

4.1.4 PRIORITY 4: System Reliability

This category includes all programs that are identified for distribution system reliability improvements such as Paper Cable removal, 4kV unit substation reliability, annual Hi-pot program, the ten-year network and non-network system improvement plans etc.

4.1.5 PRIORITY 5: Strategic Information Technology Initiatives

Includes those projects that enhance efficiency and process improvements through use of technology in electric operations such as Mobile dispatch system, Electric distribution Information

systems, work management systems, Outage management system etc.

4.2 Process. The annual and five year funding allocation process shall strive to meet the program objectives of each individual program and allocate available funds in the priority order discussed above. In order to maximize the benefits of available funds and resources, the annual feeder and transformer relief shall be priorities based on highest to lowest overloads and associated individual risk evaluation of each component. It is permissible to defer low level minor impact overloads if total funding will be exceeded in a given year. Table II provides further guidance on prioritizing of load relief projects.

Programs that have been adequately funded must be completed to meet the targeted units.

4.3 ED-1 Budgeting. Each region shall prepare their five-year request for capital funding of system reinforcement projects, by the date established for the annual budget process and submit them electronically to Cable, Network and Equipment sections of the Distribution Engineering (DE) department for their review using the shared database established by Planning & Analysis for that purpose.

For load relief projects each region shall provide a list indicating the magnitude of the overload or undervoltage, estimated cost, percent loading compared to current component rating and expected improvement after relief is completed.

For reliability programs and projects, each region shall provide a description of each project or program indicating the cost and expected improvement in system performance. Networks with the lowest reliability index should receive priority in funding the project. Non-network programs or projects will be prioritized based on maximum system performance impact for the dollars to be expended. Each reliability project submittal the following information shall be provided:

- Description of the project
- Type of improved impact to the system
- Magnitude of the expected improvement
- Number of units associated with each program
- Estimated cost

Reliability projects shall be identified with one of the reliability programs listed in Table III. Programs may be added to or deleted from the list as required.

A five year system reinforcement request shall be submitted to Cable, Network and Equipment sections of DE via the C-39 form which lists the five year request of programs and projects.
Funding and units shall be shown for each program and/or project listed.

The Cable, Network and Equipment sections of DE will review the submission and provide initial priority recommendations for system reinforcement projects. The review will focus on ensuring the submittal is aligned with meeting program objectives and any company obligations, optimization of system performance enhancement within the funding request and recommending alternatives. The focus of the analysis will be on the following:

- Impact on SAIFI
- Impact on CAIDI
- Impact on "network reliability index"
- Impact on customer satisfaction
- Cost benefit analysis

The Cable, Network and Equipment sections of DE will meet with the regional General Managers and regional Engineering Managers to discuss the program, alternatives and priorities for the reliability projects, and develop consensus regarding order of priorities for reliability projects.

5.0 AUTHOR

Section Manager, Performance and Operational Engineering, Distribution Engineering, is the author of this procedure.

6.0 PROCEDURAL RESPONSIBILITY

The Chief Engineer, Distribution Engineering, has responsibility for this procedure.

7.0 EXHIBITS

EXHIBIT B System Reinforcement Relief Guidelines

EXHIBIT C System Reinforcement Programs

Jyotin N. Thaker (Signature on File)
Jyotin N. Thaker
Chief Distribution Engineer,
Distribution Engineering Department

Author: Maria Rodriguez

REVISION 1: Rescind CSP 5-3-14 and rename to EOP-5314.	**FILE:** Electric Operation Guidelines Manual No. 9

EXHIBIT A

CUSTOMER DEMAND AND EMERGENCY RESPONSE RELIEF GUIDELINES
Funding Priority 2

PRIORITY NUMBER	DESCRIPTION	RELIEF CRITERIA
1.	Area substation overload	Normal load > normal rating and/or Emergency load > emergency rating.
2.	Primary network feeder	Normal load > 100% Normal Rating, 1st contingency and 2nd contingency > 105% emergency rating.
3.	4kv substation overload	Normal >100% and/or emergency ≥ 115%
4.	Primary non-network feeder overload 13kv and above	Normal > 105% 1st contingency: ≥ 115% of emergency rating
5.	Secondary network transformer/mains overload	>100% of normal rating ≥ 115% of 1st or 2nd contingency rating depending on design
6.	4kv feeder overload	>100% of normal rating emergency ≥ 130% of emergency rating for Underground and Overhead
7.	Primary non-network feeder overload 13kv and above	1st contingency cable on main run of feeder >105% & <115% of emergency rating. Other cable and open wire >105% & < 115% of emergency rating.

EXHIBIT B (Cont.)

SYSTEM REINFORCEMENT RELIEF PRIORITIES

PRIORITY NUMBER	DESCRIPTION	RELIEF CRITERIA
8.	Primary network feeder overload	1st cont.: >100% & <105% 2nd cont.: >100% & <105% of emergency rating
9.	4kv feeder overload	≥ 120% & <130% for Overhead ≥ 110% & <130% for UG cable of emergency rating
10.	All other 4kv substations	>100% & <115% of emergency rating
11.	Secondary network transformer/mains overload	≥ 110% & <115% of 1st or 2nd contingency rating depending on design
12.	Primary non-network feeder overload 13kv and above	1st contingency: >100% & <105% of emergency rating
13.	Secondary network transformer/mains overload	>100% & <110% of 1st or 2nd contingency rating depending on Design
14.	4kv feeder overload	>100% & <120% Overhead >100% & < 110% UG Cable of emergency rating

EXHIBIT C

SYSTEM REINFORCEMENT PROGRAMS

RELIEF

Area Substations
Primary Feeders
4kv Substations
4kv Feeders
Transformers & Secondary
<$100K Load Relief
27kV and 33kV Shunt Reactors

RELIABILITY

Paper Cable Replacement (including targeted stop joints)
Galleries Retirement
Remote Monitoring NWP
#4 #6 Wire & 4kv S.S. Cable
Multibank Retirement
Obsolete Network Protectors
Special Projects
Simplification
Isolation Devices (SF-6 Switches)
Fiver Year Inspection Program
4kv Obsolescence & Substation Retirement
Defective Aerial Cable
Jumbo Transformers
Hi-Pot Program (Spring Program and After O/A)
General Improvements
Vented Manhole Cover Program
Oil Minders
Grounding Transformers
VRS Replacement / Automation
Auto Loop Reliability
4KV Sectionalizing (ECSO & Anderson Switch Replacement)
Osmose Pole Treatment
Defective DBC Replacement
Tempo Relay Replacement
4KV Reliability
Facilities Relocation
Grounding
27kV and 33kV Shunt Reactors
<$100K Reliability

Engineering Service Request (ESR) Process Guide

Processing an ESR

1. The electronic ESR can be accessed through the Central Engineering Website [http://ceng/ceng/]. This is done by selecting "Engineering Services Request" on the Central Engineering Website homepage and then clicking on "Create a Request". The electronic ESR form will then open. (Exhibit A is an example of an ESR form).

2. The **Initiator's** name will already be automatically filled in, via computer log-in information at sign-on.

3. The **ESR Initiator** enters his or her organization, and the date.

4. The **Initiator** selects from a pull down list the applicable field or system engineer to review the ESR.

5. The **Initiator** describes the problem that they are requesting Central Engineering assistance for in Part 1 "Description of Problem."

6. The **Initiator** suggests the preferred solution, if known, and justification for the suggested activity in Part 2 of the ESR form "Proposed Solution and Justification."

7. The **Initiator** may offer alternative solutions for engineering evaluations in Part 2 of the ESR form, under the field "Alternative Solutions."

8. The **Initiator** should list all relevant references in the "References" field of Part 2.

9. The **Initiator** should list the attachments in the "Attachments" field of Part 2.
   a. This field is only for identifying the attachments; the attachments themselves are added in Step 10 below.

NOTE

When ESR's are sent to an employee, only the employee specified (ie: the current actionee) can change them. Forwarding the email link received to someone else for response will not work, and the program will state that it needs to be reviewed by the person specified. If the actionee needs to be changed anytime throughout the process, you need to contact Environmental Engineering & Program Support (EE&PS) to complete the process change.

NOTE

All free text written commentary inputs are required to have initials and date typed in following the inputted text.

NOTE

The ESR System creates a file folder for attachments and an access link to the folder for viewing or adding files. Attachments can be added to ESR file folder at any stage in the process.

10. **Initiator** clicks the "Submit" button.
    a. By clicking the "Submit" button 2 things will occur electronically:
       - The ESR system will forward an e-mail to the Initiator with a link to a file for the storage of attachments. The **Initiator** can post attachments in this folder by copying or dragging and dropping folders from their current file location to the ESR file location. (This file can be accessed by all personnel who wish to view or add attachments)
       - The ESR will forward an e-mail to the Field or System Engineer with a link to the ESR requesting they review the ESR.

11. Through the e-mail link, the **Field or System (F/S) Engineer** can review the ESR (Exhibit B) and select any 1of 4 actions:

a. Selecting "Send for Review" and choosing a Reviewer from the pull down list and then clicking the "Submit" button will forward the ESR to the Reviewer chosen for review.

- This review function is optional and, if utilized, will still require subsequent selection of one of the remaining 3 actions by the F/S Engineer following completion of the review. This optional review will accommodate those departments that may have a desired need or an administrative requirement for an additional review prior to sending the ESR to the Plant/General Manager for approval. If the ESR is not going to have this optional review, then simply leave the field blank and choose 1 of the 3 remaining actions described in 11b, 11c, or 11d below.

If the optional review is chosen, through the e-mail link provided, the **Reviewer** can review the ESR (Exhibit C) and select any 1of 3 actions:

1) Selecting "Reviewed" and clicking the "Submit" button notifies the Initiator and the F/S Engineer of the action taken.

- Selecting "Reviewed" requires written commentary of the review results in Part 2 Proposed Solution and Justification.

2) Selecting "Resolved" and clicking the "Submit" button closes the ESR and notifies the Initiator and the F/S Engineer of the action taken.

- Selecting "Resolved" requires written commentary of the resolution in Part 3 "Closeout".

3) Selecting "Rejected" and clicking the "Submit" button stops the ESR process and notifies the Initiator and the F/S Engineer of the action taken.

- Selecting "Rejected" requires written commentary of the rejection in Part 3 "Closeout".

b. Following the optional review, if selected, or if no optional review is selected, the **F/S Engineer** selects "Send for Approval " and chooses a Plant/General Manager from the pull down list and then clicks the "Submit" button. (See Exhibit D for sample ESR Form). Selecting "Send for Approval" and clicking the "Submit" button forwards the ESR to the Plant/General Manager chosen for approval and notifies the Initiator of the action taken.

c. Selecting "Resolved" and clicking the "Submit" button closes the ESR and notifies the Initiator of the action taken.

- Selecting "Resolved" requires written commentary of the resolution in Part 3 "Closeout".

d. Selecting "Rejected" and clicking the "Submit" button stops the ESR process and notifies the Initiator of the action taken.

- Selecting "Rejected" requires written commentary of the resolution in Part 3 "Closeout".

e. Prior to Clicking the "Submit" button, the F/S Engineer can add:

- Additional written commentary to any of the fields on the ESR.
- Attachments.

12. **Plant/General Managers** are notified via e-mail of all ESR's requiring approval. The **Plant/General Manager** can select 1 of 3 actions based on their review. (Refer to Exhibit E)

a. Selecting "Send to Engineering" and clicking the "Submit" button is considered approval for Central Engineering to use resources to resolve the ESR.

- The F/S Engineer, Environmental Engineering & Program Support (EE&PS), and the Initiator are notified via e-mail of the action taken by the Plant/General Manager.

b. Selecting "Resolved" and clicking the "Submit" button closes the ESR.

- Selecting "Resolved" requires written commentary of the resolution in Part 3 "Closeout".
- The F/S Engineer and Initiator are notified via e-mail of the action taken by the Plant/General Manager.

c. Selecting "Rejected" and clicking the "Submit" button stops the ESR process.

- Selecting "Rejected" requires written commentary of the resolution in Part 3 "Closeout".
- The F/S Engineer and Initiator are notified via e-mail of the action taken by the Plant/General Manager.

13. The Submitted ESR notifies **Environmental Engineering & Program Support** (EE&PS) via e-mail of the ESR requiring resolution. (Refer to Exhibit F for ESR sample page)

a. EE&PS assigns the ESR to a Central Engineering Section Manager.

- EE&PS selects a Section Manager from the pull down list, selects the "Send to Section Mgr." Action and clicks the "Submit" button.

14. The **Section Manager** is notified via e-mail of the ESR requiring action. (Refer to Exhibit G for ESR sample page)

a. The Section Manager can select 1 of 3 actions:

- Select the "Rejected" action and provide reasoning for the rejection of the ESR in Part 3 "Closeout".
- Select the "Resolved" action and provide reasoning for resolution in Part 3 "Closeout".
- Select the "Send to Assigned Egr." action and choose a discipline engineer from the pull down list and clicking the "Submit" button.

15. The **Discipline Engineer** is notified via e-mail of the ESR requiring action. (Refer to Exhibit H for ESR sample page)

a. The assigned **Discipline Engineer** can select 1 of 2 actions:

- Select the "Rejected" action and provide written commentary for the rejection of the ESR in Part 3 "Closeout".
- Select the "Resolved" action and provide written commentary for resolution in Part 3 "Closeout".
    1. A "Resolved" action could result in the ESR being closed out to a Central Engineering approved tracking / work management system such as:
        - Creating an entry in the Action Tracking System and providing an Action Tracking Number in the "Action Tracking #" field.
        - Creating a MAXIMO Work Order and providing the MAXIMO Work Order Number in the "Work Order #" field.
        - Creating a project in Project Explorer and providing a Project Number in "Project #" field.
    2. In addition to selecting an appropriate tracking / work management system, or if the ESR cannot be resolved through a tracking / work management system, written commentary shall be provided in Part 3 "Closeout".

16. The **Discipline Engineer** closes the ESR by ensuring the appropriate action and resolution / disposition is documented on the electronic ESR in Part 3 "Closeout" and clicks the "Submit" button.

    a. The Initiator is notified of the resolution electronically via e-mail.

Viewing ESR Reports

To review the current status of ESRs, select "Engineering Services Request" on the website homepage and click on "View Report Type". Most personnel will be identified as "Users" who can then select "All", "Open", or "Closed" ESR reports. The sort presentation of the selected ESRs can then be chosen in one of five ways under "Pick a

report type". The sort options are by: ESR Number, Actionee, Location, Organization, or Initiator. The customized report will be presented on the screen when "Submit" is clicked. To view individual ESR's, click on the ESR number and the individual ESR can be viewed.

Exhibit A

conEdison

ENGINEERING SERVICES REQUEST FORM

PART 1

ORGANIZATION:

DATE:

LOCATION:

ORIGINATOR/CONTACT (coned id): LawsonC

PLANT/ GENERAL MGR:

FIELD/ SYSTEM ENGR: Adrover, Juan

DESCRIPTION OF PROBLEM:

PART 2

PROPOSED SOLUTION AND JUSTIFICATION:

ALTERNATIVES:

REFERENCES:

1.

ATTACHMENTS:
(Please describe, a folder respository link will be presented and emailed to you when the form is submitted)

1.

Submit

Exhibit B

conEdison

ENGINEERING SERVICES REQUEST FORM

PART 1

ORGANIZATION: Engineering

DATE INITIATED: 10/21/2003

REQUEST #: 137

LOCATION: 4 Irving

ORIGINATOR/ CONTACT: lawsonc

FIELD/ SYSTEM ENGR: lawsonc

PLANT/GENERAL MGR: LAWSONC

REVIEWER:

DESCRIPTION OF PROBLEM:

Test

PART 2

PROPOSED SOLUTION AND JUSTIFICATION:

Test

ALTERNATIVES:

Test

REFERENCES:

1. Test

ATTACHMENTS (Description):
Please place/review all attachments at \\m02015r4\esrattachments\137: Click here

1. Test

PART 3

CLOSEOUT:

- (•) SEND FOR APPROVAL
- ( ) SEND FOR REVIEW
- ( ) RESOLVED
- ( ) REJECTED

Submit

Exhibit C

conEdison

ENGINEERING SERVICES REQUEST FORM

PART 1

ORGANIZATION: Engineering

DATE INITIATED: 10/21/2003

REQUEST #: 137

LOCATION: 4 Irving

ORIGINATOR/ CONTACT: lawsonc

FIELD/ SYSTEM ENGR: lawsonc

REVIEWER: lawsonc

DESCRIPTION OF PROBLEM:

Test

PART 2

PROPOSED SOLUTION AND JUSTIFICATION:

Test

ALTERNATIVES:

Test

REFERENCES:

1. Test

ATTACHMENTS (Description):
Please place/review all attachments at \\m02015r4\esrattachments\137; Click here

1. Test

PART 3

CLOSEOUT:

- (•) REVIEWED
- ( ) RESOLVED
- ( ) REJECTED

Submit

Exhibit D

conEdison

ENGINEERING SERVICES REQUEST FORM

PART 1

ORGANIZATION: Engineering

DATE INITIATED: 10/21/2003

REQUEST #: 137

LOCATION: 4 Irving

ORIGINATOR/ CONTACT: lawsonc

FIELD/ SYSTEM ENGR: lawsonc

REVIEWER: DORNJ

PLANT/GENERAL MGR:

DESCRIPTION OF PROBLEM:

Test

PART 2

PROPOSED SOLUTION AND JUSTIFICATION:

Test

ALTERNATIVES:

Test

REFERENCES:

1. Test

ATTACHMENTS (Description):
Please place/review all attachments at \\m02015r4\esrattachments\137: Click here

1. Test

PART 3

CLOSEOUT:

- (•) SEND FOR APPROVAL
- ( ) RESOLVED
- ( ) REJECTED

Submit

Exhibit E

conEdison

ENGINEERING SERVICES REQUEST FORM

PART 1

ORGANIZATION: Engineering

DATE INITIATED: 10/21/2003

REQUEST #: 137

LOCATION: 4 Irving

ORIGINATOR/ CONTACT: lawsonc

PLANT/ GENERAL MGR: lawsonc

FIELD/ SYSTEM ENGR: lawsonc

REVIEWER: LAWSONC

DESCRIPTION OF PROBLEM:

Test

PART 2

PROPOSED SOLUTION AND JUSTIFICATION:

Test

ALTERNATIVES:

Test

REFERENCES:

1. Test

ATTACHMENTS (Description):
Please place/review all attachments at \\m02015r4\esrattachments\137: Click here

1. Test

PART 3

CLOSEOUT:

- SEND TO ENGINEERING
- RESOLVED
- REJECTED

Submit

Exhibit F

conEdison

ENGINEERING SERVICES REQUEST FORM

PART 1

ORGANIZATION: Engineering

DATE INITIATED: 10/21/2003

REQUEST #: 137

LOCATION: 4 Irving

ORIGINATOR/ CONTACT: lawsonc

PLANT/ GENERAL MGR: lawsonc

FIELD/ SYSTEM ENGR: lawsonc

DESCRIPTION OF PROBLEM:

Test

PART 2

PROPOSED SOLUTION AND JUSTIFICATION:

Test

ALTERNATIVES:

Test

REFERENCES:

1. Test

ATTACHMENTS (Description):
Please place/review all attachments at \\m02015r4\esrattachments\137: Click here

1. Test

PART 3

CLOSEOUT:

PROJECT#:

ACTION TRACKING #:

WORK ORDER #:

- SEND TO SECTION MGR.
- RESOLVED
- REJECTED

Submit

SECTION MGR:

Exhibit G

conEdison

ENGINEERING SERVICES REQUEST FORM

PART 1

ORGANIZATION: Engineering

DATE INITIATED: 10/21/2003

REQUEST #: 137

LOCATION: 4 Irving

ORIGINATOR/ CONTACT: lawsonc

PLANT/ GENERAL MGR: lawsonc

FIELD/ SYSTEM ENGR: lawsonc

DESCRIPTION OF PROBLEM:

Test

PART 2

PROPOSED SOLUTION AND JUSTIFICATION:

Test

ALTERNATIVES:

Test

REFERENCES:

1. Test

ATTACHMENTS (Description):
Please place/review all attachments at \\m02015r4\esrattachments\137: Click here

1. Test

PART 3

CLOSEOUT:

PROJECT#:

ACTION TRACKING #:

WORK ORDER #:

- SEND TO ASSIGNED ENG.
- RESOLVED
- REJECTED

Submit

ASSIGNED ENGINEER:

Exhibit H

conEdison

ENGINEERING SERVICES REQUEST FORM

PART 1

ORGANIZATION: Engineering

DATE INITIATED: 10/21/2003

REQUEST #: 137

LOCATION: 4 Irving

ORIGINATOR/ CONTACT: lawsonc

PLANT/ GENERAL MGR: lawsonc

FIELD/ SYSTEM ENGR: lawsonc

DESCRIPTION OF PROBLEM:

Test

PART 2

PROPOSED SOLUTION AND JUSTIFICATION:

Test

ALTERNATIVES:

Test

REFERENCES:

1. Test

ATTACHMENTS (Description):
Please place/review all attachments at \\m02015r4\esrattachments\137: Click here

1. Test

PART 3

CLOSEOUT:

PROJECT#:

ACTION TRACKING #:

WORK ORDER #:

SECTION MANAGER: domj

ASSIGNED ENGINEER: lawsonc

- (●) RESOLVED
- ( ) REJECTED

Submit

CONSOLIDATED EDISON COMPANY OF NEW YORK, INC.
SUBSTATION OPERATIONS O&M PROGRAMS

			$000s			
Program Description	Category	Priority	2007 Historical Spending for Rate Case Request	Requested Amount Approved in 2008 Rate Case	Program Changes 2010	Forecast RYE 2010
Flame Retardant Clothing	Public Safety / Environmental	1	113	355	228	341
SSO Staffing - New Facilities	Economic Growth	2	315	4,701	4,897	5,212
SF6 Gas Emissions Reduction Program	Public Safety / Environmental	3	76	200	124	200
Bus Enclosure	System Component Performance	4	550	New	498	1,048
Dynamic Feeder Rating System	System Component Performance	5	85	165	130	215
Operator Staffing Augmentation for Existing Facilities	System Component Performance	6	-	1,648	1,760	1,760
Telecommunications (Digital Fiber Optics/ System Expansion)	Technology	7	751	480	216	967
Field Operation Trainers	System Component Performance	8	-	153	154	154
Structural Integrity / Station Betterment	System Component Performance	9	-	2,000	2,475	2,475
Corrective Maintenance Normalization	System Component Performance	10	-	New	1,400	1,400
Advanced Control Systems Group	Technology	11	-	792	830	830
Total of Programs Listed Above for Substation Operations	**Total**		**$1,890**	**$10,494**	**$12,712**	**$14,602**

Redacted

CONSOLIDATED EDISON COMPANY OF NEW YORK, INC.
SYSTEM & TRANSMISSION OPERATIONS O&M PROGRAMS

		$000s			
		2007 HISTORY - RYE 2010			
Rate Case Rank	Title	2007 Historical Spending per Rate Case Request	Requested Amount Approved in 2008 Rate Case	Program Changes 2010	Forecast RYE 2010
	SUPPORT ECONOMIC GROWTH	$ -	$ 100	$ 100	$ 100
10	Sequencing and Scheduling - Add 3rd District Operator (DO)	-	100	100	100
	Sub-Total	$ -	$ 100	$ 100	$ 100
	SYSTEM AND COMPONENT PERFORMANCE	$ 7,851	$ 3,516	$ 7,470	$ 15,321
16	Coating Refurbishment	473	New	1,027	1,500
7	Conductor Repairs	230	450	220	450
11	ECC facility maintenance costs	2,068	2,100	82	2,150
13	ECC Trainer / Compliance Monitor Position	-	New	125	125
1	Feeder Emergencies	4,808	New	3,018	7,826
21	Install Bird Discouragers on Selected Portions of P & F Line	-	270	270	270
12	Normalized Human Resources	-	New	2,322	2,322
8	Overhead Line Inspections	145	278	133	278
18	Tower Painting	-	140	140	140
19	Transmission Planning Studies	21	118	79	100
4	Transmission reliability - industry group fees	106	160	54	160
	Sub-Total	7,851	3,516	7,470	15,321
	PUBLIC SAFETY AND ENVIRONMENTAL	$ 453	$ 1,550	$ 1,097	$ 1,550
9	Manhole Inspections	453	950	497	950
17	PFT Patrols	-	600	600	600
	Sub-Total	453	1,550	1,097	1,550
	IMPROVE STORM RESPONSE	$ -	$ 700	$ 700	$ 700
20	Improve Overhead Transmission Restoration Capability	-	700	700	700
	Sub-Total	$ -	$ 700	$ 700	$ 700
	ADVANCED TECHNOLOGY	$ 4,750	$ 6,350	$ 1,605	$ 6,355
6	AECC equipment support and maintenance	102	400	298	400
3	Communications Infrastructure	4,557	5,100	543	5,100
14	NERC and EMS Training	91	150	64	155
5	New EMS system license maintenance	-	700	700	700
	Sub-Total	$ 4,750	$ 6,350	$ 1,605	$ 6,355
	PROCESS IMPROVEMENT	$ -	$ 625	$ 625	$ 625
2	1 Additional HR for NYISO functions	-	100	100	100
23	Conductor Cart Training	-	75	75	75
25	Live Line Maintenance Procedures	-	175	175	175
22	Training Specialist for TLM Training Programs	-	125	125	125
24	Update Plan and Profile Drawings	-	50	50	50
	ENHANCED CUSTOMER SERVICE				
15	Training for Emergency CIG	-	100	100	100
	Sub-Total	$ -	$ 625	$ 625	$ 625
	Total of Programs Listed Above for System & Transmission Operations	$13,054	$ 12,841	$11,597	$24,651

CONSOLIDATED EDISON COMPANY OF NEW YORK, INC.
SUBSTATION OPERATIONS CAPITAL PROJECTS

		$000s			
		RATE CASE SUBMISSION			
Priority	DESCRIPTION	2009	2010	2011	3 YEAR TOTAL
	SUPPORT ECONOMIC GROWTH	**$ 317,000**	**$ 263,000**	**$ 127,000**	**$ 707,000**
B1	Astor-Establish New Area Substation	6,000	-	-	6,000
B2	York-Establish New Area Substation	137,000	106,000	4,000	247,000
B5	Transformer Cooling Program	1,000	-	1,000	2,000
B4	Woodrow-Install Third Transformer And Fresh Kills Expand 138kV Station	22,000	6,000	-	28,000
B3	Newtown-Establish Station	72,000	56,000	4,000	132,000
B13	Westside-Establish New Transmission Station	-	-	100,000	100,000
B14	Emergent Load Relief Program	3,000	3,000	3,000	9,000
B12	Hudson Yards-Establish New Substation	30,000	30,000	-	60,000
B11	Gateway-Establish New Area Substation	7,000	-	-	7,000
B9	Corona-Install Transformer No. 10	10,000	13,000	-	23,000
B10	Corona-Replace Transformer No. 7	-	-	5,000	5,000
B8	Millwood W-Replace Limiting 13kV Bus	-	1,000	1,000	2,000
B7	Parkchester-Install 4th Transformer	3,000	12,000	5,000	20,000
B6	Parkchester-Install 3rd Cap Bank	1,000	1,000	-	2,000
	GENERATION INTERCONNECTION				
C1	Astoria East-Install Phase Angle Regulator	14,000	20,000	2,000	36,000
C2	Corona-Install Series Reactor	11,000	15,000	2,000	28,000
	Sub-Total	**$ 317,000**	**$ 263,000**	**$ 127,000**	**$ 707,000**
					$ -
	SYSTEM AND COMPONENT PERFORMANCE	**$ 199,615**	**$ 194,085**	**$ 165,435**	**$ 559,135**
	EQUIPMENT				
5	Elmsford-Install New Substation (need 138kV Bus Revamp)	37,000	36,000	8,000	81,000
6	Corona - Install Additional 138kV Breakers	-	5,000	-	5,000
33	Condition Based Monitoring Equipment	250	250	250	750
7	Obsolete 138kV Circuit Breaker Program	11,700	11,700	11,700	35,100
25	Obsolete Circuit Switcher Replacement	500	500	500	1,500
8	Replace 345kV Circuit Breaker Other Than ATB	8,000	8,000	8,000	24,000
12	Replace Disconnect Switches	4,600	4,600	4,800	14,000
9	Replace Obsolete Transformers	13,000	21,000	21,000	55,000
1	Replace Overdutied 13/27kV Circuit Breaker Programs	10,800	10,800	10,800	32,400
A1	Failed Transformer Program	33,960	22,285	20,285	76,530
A3	Rainey-Replace Temp Transformer With Permanent	4,000	-	-	4,000

CONSOLIDATED EDISON COMPANY OF NEW YORK, INC.
SUBSTATION OPERATIONS CAPITAL PROJECTS

		$000s			
		RATE CASE SUBMISSION			
Priority	DESCRIPTION	2009	2010	2011	3 YEAR TOTAL
A2	Failed Equipment Other Than Transformers	1,500	1,500	1,500	4,500
	Sub-Total	**$ 125,310**	**$ 121,635**	**$ 86,835**	**$ 333,780**
	RELAY				
22	Control Cable Upgrade Program	1,000	1,000	1,000	3,000
14	Relay Modifications	5,500	5,500	5,500	16,500
10	Upgrade Analog Circuits To Digital Fiber	2,000	2,000	1,800	5,800
	Sub-Total	**$ 8,500**	**$ 8,500**	**$ 8,300**	**$ 25,300**
	MISCELLANEOUS COMPONENTS				
35	Additional G&T Devices	1,000	1,000	1,000	3,000
3	Area Substation Reliability And Auto Ground Circuit Switchers	10,500	10,500	10,500	31,500
18	Battery & Rectifier Replacement	3,500	3,500	3,500	10,500
20	Capacitor Cable Upgrade Program	3,000	3,000	3,000	9,000
15	Category Alarms	2,250	2,250	3,900	8,400
37	Construct Relay Enclosure Houses	1,500	1,500	1,500	4,500
29	Corona Settlement	1,000	1,000	-	2,000
36	Diesels / Blackstart Restoration (Phase 2) - Upgrade Station L & P	1,200	1,000	1,000	3,200
44	East River Complex - Install Wall	2,500	2,500	-	5,000
28	Various-Facility Upgrade	8,000	8,000	8,000	24,000
17	Fire Pump Test Header Installation	500	500	500	1,500
2	High Voltage Test Sets	5,000	2,000	2,000	9,000
42	New Maximo Upgrade	400	-	-	400
41	Rapid Restore Enhancements- Mapping/Modeling System	200	200	200	600
19	Reinforced Ground Grid	500	500	500	1,500
21	Revenue Metering Upgrade	500	500	500	1,500
23	Roof Replacement Program	3,000	3,000	2,100	8,100
27	Small Capital Equipment Program	4,000	4,000	4,000	12,000
4	SOCCS - RTU Replacement	3,000	3,000	-	6,000
34	Substation Automation Target Information System	2,000	2,000	2,000	6,000
13	East River-Protection System Upgrade	3,500	3,500	3,100	10,100
32	Buchanan-Substation Continuance	-	-	10,000	10,000
31	E179th Street-Substation Continuance	-	2,500	5,000	7,500
30	E 63rd Street-Substation Continuance	5,000	5,000	5,000	15,000
39	White Plains-Substation Continuance	550	-	-	550
40	Substation Loss Contingency	2,000	2,000	2,000	6,000

CONSOLIDATED EDISON COMPANY OF NEW YORK, INC.
SUBSTATION OPERATIONS CAPITAL PROJECTS

		$000s			
		RATE CASE SUBMISSION			
Priority	DESCRIPTION	2009	2010	2011	3 YEAR TOTAL
38	Switchgear Enclosure Upgrade Program	500	500	500	1,500
43	Technology Improvements	705	500	500	1,705
	Sub-Total	$ 65,805	$ 63,950	$ 70,300	$ 200,055
					-
	PUBLIC SAFETY AND ENVIRONMENTAL	$ 15,000	$ 15,000	$ 15,000	$ 45,000
16	Environmental Risk Mitigation	3,500	3,500	3,500	10,500
11	Pumping Plant Improvement	8,500	8,500	8,500	25,500
24	PURS Supervisory Control & Data Acquisition	3,000	3,000	3,000	9,000
	Sub-Total	$ 15,000	$ 15,000	$ 15,000	$ 45,000
					-
	SECURITY	$ 4,100	$ 4,000	$ 4,000	$ 12,100
26	Security Enhancements	4,100	4,000	4,000	12,100
	Sub-Total	$ 4,100	$ 4,000	$ 4,000	$ 12,100
					-
	TOTAL SUBSTATION OPERATIONS	535,715	476,085	311,435	1,323,235

Exhibit _____ (IIP-4)

CONSOLIDATED EDISON COMPANY OF NEW YORK, INC.
SYSTEM AND TRANSMISSION OPERATIONS CAPITAL PROJECTS
TRANSMISSION OPERATIONS CAPITAL PROJECTS / PROGRAMS

Priority		$000s			
		Rate Case Submission			
	DESCRIPTION	2009	2010	2011	3 Year Total
	SUPPORT ECONOMIC GROWTH	**$ 21,144**	**$ 23,000**	**$ 1,000**	**$ 45,144**
B2	Vernon - W49th St-38M72 Upgrade	20,144	22,000	-	42,144
B1	Dynamic Feeder Rating	1,000	1,000	1,000	3,000
	Sub-Total	**$ 21,144**	**$ 23,000**	**$ 1,000**	**$ 45,144**
	SYSTEM AND COMPONENT PERFORMANCE	**$ 184,300**	**$ 140,300**	**$ 87,600**	**$ 412,200**
2	179th St-Reinforcement - M29 (Includes Academy)	130,000	75,000	15,000	220,000
3	Sprain Brook - W 49th St-Feeder M51	6,700	6,700	-	13,400
4	Cable System Enhancement - Pothead Alarms	500	500	500	1,500
5	Replace 69M43/69M44 With 38M53 & 38M54	3,000	-	-	3,000
6	Reinforce Hudson River Crossing Towers	3,000	2,400	1,800	7,200
9	Replacement of Feeders 18001 & 18002	21,000	30,000	20,000	71,000
10	Emergent Transmission Reliability	10,000	10,000	10,000	30,000
8	Replace Feeder 69M41 & 69M45	-	-	6,000	6,000
12	Re-Conductor Dunwoodie – Sprain Brook Transmission Corridor	1,500	4,000	4,000	9,500
16	Manhattan-Replace 69kV Feeders On QBB	-	3,000	14,000	17,000
17	Feeder 34182/4	-	-	5,000	5,000
15	Staten Island-Feeders 38R51 And 38R52	-	-	4,000	4,000
A1	Transmission Feeder Failures	5,000	5,000	5,000	15,000
11	Upgrade Overhead 345kV Transmission Structures	2,100	2,200	2,300	6,600
18	Staten Island-M-Line Tower Relocation	1,500	1,500	-	3,000
	Sub-Total	**$ 184,300**	**$ 140,300**	**$ 87,600**	**$ 412,200**
	PUBLIC SAFETY AND ENVIRONMENTAL	**$ 1,750**	**$ 1,750**	**$ 1,750**	**$ 5,250**
A2	DEC Program Line	1,750	-	-	1,750
A3	Environmental Enhancements	-	1,750	1,750	3,500
	Sub-Total	**$ 1,750**	**$ 1,750**	**$ 1,750**	**$ 5,250**
	TOTAL TRANSMISSION OPERATIONS	**$ 207,194**	**$ 165,050**	**$ 90,350**	**$ 462,594**

Exhibit _____ (IIP-9)

CONSOLIDATED EDISON COMPANY OF NEW YORK, INC.
SYSTEM AND TRANSMISSION OPERATIONS CAPITAL PROJECTS
SYSTEM OPERATION CAPITAL PROGRAMS

2009		($000s) Rate Case Submission			
Priority	DESCRIPTION	2009	2010	2011	3 Year Total
	ADVANCED TECHNOLOGY	**$ 10,150**	**$ 8,700**	**$ 2,750**	**$ 21,600**
1	Energy Management Systems	2,000	-	-	2,000
13	Work Management Systems	3,250	3,250	300	6,800
20	EMS Continuance	-	500	1,000	1,500
7	Operation Requirements (On-Line Systems)	3,400	2,650	500	6,550
14	District Operations Improvement	1,000	1,800	950	3,750
21	Bulk Power Improvements	500	500	-	1,000
	Sub-Total	**$ 10,150**	**$ 8,700**	**$ 2,750**	**$ 21,600**
					-
	OTHER	**$ 6,650**	**$ 1,050**	**$ 500**	**$ 8,200**
19	Facilities / Utilities Improvements	6,650	1,050	500	8,200
		$ 6,650	**$ 1,050**	**$ 500**	**$ 8,200**
					0
	TOTAL SYSTEM OPERATION	**$ 16,800**	**$ 9,750**	**$ 3,250**	**$ 29,800**

Company Name: Con Edison
Case Description:
Case: 08-E-0539

Response to DPS Interrogatories – Set DPS6
Date of Response: 06/19/2008
Responding Witness: Infrastructure Investment Panel

Question No. :71
Subject: Storm Hardening and Response – ATS Installation USS Reliability - 1. Provide an itemized breakdown (beyond what is provided in the white papers) of how the capital and O&M funding for each rate year was derived. 2. Provide an update to the following work schedule up to 2018: 2008: Sommers#1 (Bronx), Quaker Ridge-34 (New Rochelle), Ethelridge-90 (White Plains); 2009: Beechwood-29 (New Rochelle), Chester Heights-33 (Mt Vernon), Wrexham-79 (Yonkers), Rosehill-36 (Yonkers), Fenimore-77 (Scarsdale), Haviland-45 (White Plains), Dunwoodie-5 (Yonkers). 2010: Kenilworth-35 (Harrison), Milton Point-51 (Harrison), Green Knolls-60 (Eastchester), Bowman-66 (Harrison), Thornwood-69 (Mt Pleasant), Manursing-74 (Rye), Saxon Woods-48 (Scarsdale); 2011: Maryknoll-40 (Ossining), Gedney-19 (White Plains), Underhill-93 (Harrison), Van Wart-92 (Greenburgh), Yonkers-88 (Yonkers), Woodlawn-55 (Yonkers), Vernon Hills-84 (New Rochelle); 2012: Forest-91 (Pelham Manor), Canfield-97 (Yonkers), Gun Hill (Bronx), Webster-86 (New Rochelle), Sampson #1 (Bronx), Osman Pl (Bronx), Primrose-98 (Scarsdale); 2013: Heathcote-23 (New Rochelle), Fort Hill-17 (Yonkers), Screvin#1 (Bronx), Eastchester Creek-6 (Mt Vernon), Zerega Ave (Bronx), Scarsdale-39 (Mamaroneck), Furnace Dock-87 (Cortlandt); 2014: Middletown (Bronx), Palmer #1 (Bronx), Grassy Sprain-15 (Yonkers), Crestwood-56 (Yonkers), E 226 ST (Bronx), Crugers-8 (Cortlandt), Sampson #2 (Bronx); 2015: Manhattan Park-3 (Greenburgh), Screvin #2 (Bronx), Valley Place-31 (Mamaroneck), Mt Hope-49 (Hastings), Manville-25 (Pleasantville), Helena-80 (Yonkers), Flint Park-30 (Mamaroneck); 2016: Bonnie Briar-52 (Mamaroneck), Rockne-99 (Yonkers), Neperhan-2 (Yonkers). 3. Why did this program extend from 2016 to 2018? 4. What actions have been taken to ensure this is proceeding in a cost effective manner?

Response:

1.

ELEMENT OF EXPENSE	2009	2010	2011	2012
Labor	245	245	245	245
M&S	832	832	832	832
A/P	735	735	735	735
Indirect	638	638	638	638
	$2,450	$2,450	$2,450	$2,450

2. **Revised work schedule program extending to 2018:**

2008: Ethelridge-90 (White Plains) – Completed in 2008.

2009: Rosehill-36 (Yonkers), Sommers#1 (Bronx), Quaker Ridge-34 (New Rochelle), Beechwood-29 (New Rochelle).

2010: Chester Heights-33 (Mt Vernon), Wrexham-79 (Yonkers), Fenimore-77 (Scarsdale), Haviland-45 (White Plains), Dunwoodie-5 (Yonkers).

2011: Kenilworth-35 (Harrison), Milton Point-51 (Harrison), Green Knolls-60 (Eastchester), Bowman-66 (Harrison), Sommer # 2 (Bronx), Manursing-74 (Rye).

2012: Saxon Woods-48 (Scarsdale), Maryknoll-40 (Ossining), Gedney-19 (White Plains), Underhill-93 (Harrison), Van Wart-92 (Greenburgh), Yonkers-88 (Yonkers).

2013: Woodlawn-55 (Yonkers), Vernon Hills-84 (New Rochelle); Forest-91 (Pelham Manor), Canfield-97 (Yonkers), Gun Hill (Bronx), Webster-86 (New Rochelle).

2014: Sampson #1 (Bronx), Osman Pl (Bronx), Primrose-98 (Scarsdale), Heathcote-23 (New Rochelle), Fort Hill-17 (Yonkers).

2015: Screvin#1 (Bronx), Eastchester Creek-6 (Mt Vernon), Zerega Ave (Bronx), Scarsdale-39 (Mamaroneck), Furnace Dock-87 (Cortlandt); Middletown (Bronx).

2016: Palmer #1 (Bronx), Grassy Sprain-15 (Yonkers), Crestwood-56 (Yonkers), E 226 ST (Bronx), Brookville # 78 (Ossining), Sampson #2 (Bronx).

2017: Manhattan Park-3 (Greenburgh), Screvin #2 (Bronx), Valley Place-31 (Mamaroneck), Mt Hope-49 (Hastings), Helena-80 (Yonkers).

2018: Flint Park-30 (Mamaroneck), Bonnie Briar-52 (Mamaroneck), Rockne-99 (Yonkers), Neperhan-2 (Yonkers).

3.
Limitations in available resources resulted in the program being extended.

4.
To ensure that work proceeds in a cost effective manner, the company begins by planning the Automatic Transfer Switch (ATS) work in the unit substation and inspecting the work site ahead of time to avoid costly delays due to unexpected field conditions. Cost effectiveness is continued by efficiently planning the job in conjunction with other required unit substation breaker or feeder work by grouping projects together under the same scheduled outage. This will ensure the most efficient use of Con Edison manpower, and will reduce the exposure of the feeders minimizing potential outages. The Engineering Department will complete a comprehensive technical analysis to determine the most cost effective location and design and

will conduct field visits with other departments to review the job before final design. Field supervisors will actively monitor the completion times of the various segments of the project as they relate to historical data and reasonable expectations to monitor their crews' productivity. When an outside contractor is needed, in this case for concrete and duct work, competitive bidding is used to obtain the contractor. Also, with the practice of "job-based crewing," there will be no extra personnel on site. In addition, the financial analysis group will monitor the actual costs against the budget for each specific project and will compare the average work time and cost per unit against actual to evaluate discrepancies.

Company Name: Con Edison
Case Description:
Case: 08-E-0539

Response to DPS Interrogatories – Set DPS6
Date of Response: 06/09/2008
Responding Witness: Infrastructure Investment Panel

Question No. :72.1
Subject: Storm Hardening and Response – Automated Emergency Ties - Provide an itemized breakdown (beyond what is provided in the white papers) of how the capital and O&M funding for each rate year was derived.

Response:

A typical job cost would be broken down as follows:

New Pole	Capital	$4,000
Installation of recloser switch	Capital	$45,000
Installation of lightening arrestors	Capital	$1,000
Transfer of primary attachments	Maintenance	$1,000
Transfer of secondary attachments	Maintenance	$1,300
Transfer of aerial cable	Maintenance	$900
Transfer of services	Maintenance	$800
Removal of old pole	Retirement	$1,000
Removal of open air switches	Retirement	$1,200
Removal of old lightening arresters	Retirement	$750
Contingency		$4,556
Associated work: Adjacent pole replacement	Capital/Maintenance/Retirement	$7,000
Associated work: Wire upgrades	Capital/Retirement	$4,500
Associated work: Guy wires / messenger	Capital	$1,250
TOTAL:		**$74,256**

All capital costs include the cost of the material associated with the job tasks. It is projected that 10 switches will be installed each year.

Company Name: Con Edison
Case Description:
Case: 08-E-0539

Response to DPS Interrogatories – Set DPS6
Date of Response: 06/09/2008
Responding Witness: Infrastructure Investment Panel

Question No. :72.2
Subject: Storm Hardening and Response – Automated Emergency Ties - Provide justification on how it was determined that 10 equipments should be installed per year.

Response:
It was determined that 10 automated emergency ties should be installed per year on the 13kV system based on multiple criteria, including resources in distribution engineering, overhead construction bureau and IR.
To install these tie switches, the primary planning and analysis group of Staten Island Distribution Engineering will have to do multiple load studies and draw up multiple job "layouts." This must be done while also performing all other required functions such as summer load relief designs, contingency plan reviews, and various other associated studies.
Also considered is the manpower of the Overhead Construction Bureau. While performing all necessary construction work for summer preparedness, unscheduled emergencies, new business, and other interference and reliability projects, these installations will need to be scheduled accordingly.
The availability of information resources to update computer systems (SCADA) for this project was also a consideration.

Company Name: Con Edison
Case Description:
Case: 08-E-0539

Response to DPS Interrogatories – Set DPS6
Date of Response: 06/10/2008
Responding Witness: Infrastructure Investment Panel

Question No. :72.3
Subject: Storm Hardening and Response – Automated Emergency Ties - What determines the order of replacement of these electronically controlled emergency feeder tie switches?

Response:
We will attempt to schedule the tie switch installation with other necessary feeder work. This will increase manpower efficiency and save on costs by scheduling multiple jobs on the same feeders at the same time. This is due to the fact that the 13kV feeder must be put on "one-fast-trip" protection before any work is performed.
The prioritization and selection for the installation of an emergency tie will be done via a review of customer counts and exposure as well as which feeders do not currently have any remotely controlled tie switches. The table below lists the plans for tie installation and associated customer counts.

Loop Feeders	Currently has electronic tie	Plan to install electronic ties	Customer counts
1R82	No	0	3
4R74M	No	1	1,592
1R16	No	1	446
1R28	No	0	734
1R26	No	1	9
1R38	No	0	9
2R13	No	1	609
2R19	No	1	338
2R28	No	1	1,010
2R34	No	1	714
2R30	No	1	534
2R24	No	1	680
2R39	No	0	519
2R44	No	1	761
2R91	No	1	3,383
4R86L	Yes	0	1,641
4R54L	No	1	1,693
4R56L	No	0	1,528

4R54M	No	2	2,818
4R56M	No	2	1,156
4R64	No	2	3,152
4R66	No	1	1,530
4R74L	No	2	1,811
4R76L	Yes	0	2,490
4R74M	No	2	1,592
4R76M	No	1	1,050
4R86M	No	1	1,910
4R96M	Yes	0	1,381
3R31L	No	1	1,600
3R35L	No	1	1,983
3R32L	No	2	1,328
3R36L	Yes	1	1,224
3R33L	Yes	1	2,148
3R37L	No	2	2,012
3R30L	No	1	2,153
3R34	No	1	1,486
5R15	Yes	1	2,097
3R35M	No	2	1,781
5R16	Yes	0	1,964
3R36M	No	2	1,644
5R17	No	1	2,624
3R37M	No	2	1,149
5R19	Yes	0	1,851
5R29	No	1	1,216
5R20	Yes	0	2,157
3R30M	No	1	1,843
5R22	No	1	795
3R32M	Yes	0	965
5R23	No	1	2,301
3R33M	No	2	1,445
5R27	Yes	0	3,150
5R28	No	1	1,112

Company Name: Con Edison
Case Description:
Case: 08-E-0539

Response to DPS Interrogatories – Set DPS6
Date of Response: 06/09/2008
Responding Witness: Infrastructure Investment Panel

Question No. :72.4
Subject: Storm Hardening and Response – Automated Emergency Ties - What actions have been taken to ensure this is proceeding in a cost effective manner?

Response:
As stated in DPS Interrogatory DPS6 # 72.3, the scheduling of automatic emergency tie installation will be done in conjunction with other scheduled feeder work. This will result in the most efficient use of Con Edison manpower and will minimize the exposure of the feeders to operations leading to outages.
In each location, an engineering analysis will be done to determine the most cost effective location to install these switches. Through the best practice of avoiding the reconfiguration of feeders or large amounts of pole replacements, the Engineering Department will conduct field meets with Overhead Construction and look at the poles and all associated equipment. Through these field visits, the optimal and most cost effective solution will be developed.
Also, with the Overhead work practice of "job-based crewing," there will be no extra personnel on site. The Overhead Construction supervisors will routinely monitor the completion times for the jobs at it relates to historical data and reasonable expectations.

Company Name: Con Edison
Case Description:
Case: 08-E-0539

Response to DPS Interrogatories – Set DPS6
Date of Response: 06/09/2008
Responding Witness: Infrastructure Investment Panel

Question No. :72.5
Subject: Storm Hardening and Response – Automated Emergency Ties - Are all newly installed emergency feeder tie switches electronically controlled on all 13 KV autoloops?

Response:
No, newly installed emergency feeder tie switches are not all electronically controlled. The 13kV distribution system on Staten Island is designed in an autoloop configuration. The tie reclosers between the conjoining feeders are all electronically controlled (either existing or newly installed), but there are other emergency feeder tie switches installed for increased reliability that are not necessarily electronically controlled.
Besides standard tie reclosers, there are currently three types of switches installed as emergency feeder tie switches. They are single-phase air switches, three-phase manual gang switches, and three-phase SCADA controlled gang interrupter switches (GIS). The GIS is the only switch that can be electronically controlled.

Company Name: Con Edison
Case Description:
Case: 08-E-0539

Response to DPS Interrogatories – Set DPS6
Date of Response: 06/19/2008
Responding Witness: Infrastructure Investment Panel

Question No. :72.6
Subject: Storm Hardening and Response – Automated Emergency Ties - Under this program, how many electronically controlled emergency feeder tie switches have been installed thus far, per year?

Response:
Other than the autoloop tie reclosers, no additional electronically controlled emergency feeder tie "recloser" switches have been installed. However, there are some electronically controlled emergency feeder tie switches (GIS) on the Staten Island 13kV system. Please see the table below for the switches, feeder numbers, and installation dates.

FEEDER #1	FEEDER #2	POLE #	DATE INSTALLED	SWITCH TYPE	SWITCH POSITION	SWITCH #
5R15	3R33L	38589	21-May-01	GIS	OPEN	13L-274
5R18	5R27	22521	21-May-01	GIS	OPEN	13L-91
3R31M	4R76L	27765	30-May-01	GIS	OPEN	13L-166
5R27	5R16	37534	4-Jun-01	GIS	OPEN	13L-201
5R27	5R28	T-30	4-Jun-01	GIS	OPEN	13L-218
5R27	5R28	25823	20-Jun-02	GIS	OPEN	13L-286
5R27	5R14	17669	20-Jun-02	GIS	OPEN	13L-85
3R31L	3R30L	T-37	23-Aug-02	GIS	OPEN	13L-938
5R24	5R19	39526	17-Apr-03	GIS	OPEN	13L-481

After reviewing the SAIFI and CAIDI impacts over the last five years, the Company determined that this program will provide a reliability benefit to customers by reducing outages and restoration times.

Company Name: Con Edison
Case Description:
Case: 08-E-0539

Response to DPS Interrogatories – Set DPS6
Date of Response: 06/09/2008
Responding Witness: Infrastructure Investment Panel

Question No. :72.7
Subject: Storm Hardening and Response – Automated Emergency Ties - Provide the work schedule for the entire duration of this proposal up to 2013. This should include which autoloop feeder will be upgraded with an electronically controlled emergency feeder tie switch each year.

Response:
The following table outlines a five-year plan to install 50 automated emergency ties. This is based on an evaluation of customer counts, exposure, and feeders without electronically controlled emergency feeder tie switches (as outlined in DPS6 question # 72.3).

2009	2R91 4R64 4R54M 5R17 5R23 3R30L 3R33L 5R15 3R37L 3R35L
2010	4R86M 3R30M 4R74L 3R35M 4R54L 3R36M 3R31L 4R74M (4R76M) 4R74M (1R82) 4R66
2011	3R34 3R33M 3R32L

	3R36L 5R29 4R56M 3R37M 5R28 4R76M 2R28
2012	5R22 2R44 2R34 2R24 2R13 2R30 1R16 2R19 1R26 4R64 (second switch)
2013	4R54M (second switch) 3R37L (second switch) 4R74L (second switch) 3R35M (second switch) 3R36M (second switch) 4R74M (third switch) 3R33M (second switch) 3R32L (second switch) 4R56M (second switch) 3R37M (second switch)

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STAFF IR DPS-82

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Company Name: Con Edison
Case Description:
Case: 08-E-0539

Response to DPS Interrogatories – Set DPS8
Date of Response: 06/12/2008
Responding Witness: Infrastructure Investment Panel

Question No. :96.1
Subject: Substation Operations – Elmsford Refurbishment - Provide the inspection/assessment reports in regards to deterioration and equipment outages resulting in leaks and water damages, structural corrosion, etc...Include all environmental, health, and safety assessments.

Response:

Provided below is supporting data from the Maximo Work Management system and information on assessments completed on the material condition and events associated with the Elmsford 13kV switchgear:

- Between 2000 - 2005, a total of seventy-three feeder breakers and ground and test devices problems have been recorded. Most of the problems occurred on the G.E. magna-blast breakers, vintage 1958. The breaker problems and failures severely impact system reliability, resulting in numerous customer outages.

- Between 2000 - 2005, corrective maintenance has been required on various alarms relative to the poor condition of wiring, relays and troughs. As a part of this, Engineering considered replacing the station load boards and wiring. However, as part of this review, it was determined that a more comprehensive approach was necessary.

- Between 2000 - 2005, thirty-nine breaker cubicle compartments have required extensive repairs or replacements due to failures of elevator mechanisms, CTs, bus sections, slow tripping of breakers, damage to primary bottles and water intrusion. Emergency sections outages had to be requested to make the necessary repairs. Hampering restoration to these failures is the fact that parts for the 1958 vintage equipment have not been manufactured for years making it very difficult to obtain replacement parts.

- Over the last few years, the 13kV switchgear had to have a number of I-Beams support structure replaced due to severe corrosion. The concern is that the I-Beams that are not visible are also in need of repair which could result in a major structural failure and collapse of the switchgear.

- In July 2001, Engineering was notified that maintenance personnel had exhausted all the spare wires from the Control Room to the 138kV relay cabinets and to the 13kV miscellaneous cubicles and relay cabinets.

Company Name: Con Edison
Case Description:
Case: 08-E-0539

Response to DPS Interrogatories – Set DPS8
Date of Response: 06/12/2008
Responding Witness: Infrastructure Investment Panel

Question No. :96.2
Subject: Substation Operations – Elmsford Refurbishment - How much more time and resources would be needed to manually operate the breakers due to structural component age?

Response:

As noted in response to 96.1, numerous operating and maintenance issues have occurred over the years with these breakers. Manual operation of the breakers is normal except for opening/closing the breaker to place the feeder in or out of service (which occurs via remote switch). The majority of the Elmsford switchgear is 1958 vintage where very heavy breakers require two Substation Operators to maneuver the breaker during feeder processing.

The problems noted above usually involve repairs to the breakers, cubicles or support systems. In some cases, additional equipment must be taken out of service to facilitate the repairs. In most cases, the feeder breaker(s) can not go back into service until the repairs are completed. Maintenance personnel must be dispatched to the site to make the repairs causing delays in feeder processing, sometimes taking a few hours if the repairs are required during off shifts or weekends. Assistance from other departments, such as Construction Services and Protective Systems Testing, may also be required to facilitate repairs. Repair times vary from a few hours and may last up to a few days (i.e. cell replacement). Some repairs may require vendor assistance which adds additional delays due to coordination and availability of the vendors.

Therefore, the issue of concern is not that it takes longer to operate these breakers in manual. The issue is that the breakers are unreliable, require frequent operator and maintenance intervention and consequently degrade the reliability of the Elmsford Substation.

Company Name: Con Edison
Case Description:
Case: 08-E-0539

Response to DPS Interrogatories – Set DPS8
Date of Response: 06/12/2008
Responding Witness: Infrastructure Investment Panel

Question No. :96.3
Subject: Substation Operations – Elmsford Refurbishment - Provide a copy of the Storm Water Pollution Prevention Plan.

Response:
A Storm Water Pollution Prevention Plan (SWPPP) has not been issued for the refurbishment work at the Elmsford Substation. When the original project scope was put on hold, see response to DPS 96.7, the original SWPPP development was also put on hold. A new SWPPP is now under development following approval of the revised project scope.

Company Name: Con Edison
Case Description:
Case: 08-E-0539

Response to DPS Interrogatories – Set DPS8
Date of Response: 06/12/2008
Responding Witness: Infrastructure Investment Panel

Question No. :96.4
Subject: Substation Operations – Elmsford Refurbishment - Provide the following information covered under the Elmsford Refurbishment project for 2007 and 2008 to date: a. forecasted budget, b. actual amount spent, c. description of work completed including start dates, end dates, and locations.

Response:

a. forecasted budget

2007	$9.0 M
2008	$20.0 M

b. actual amount spent

2007	$8.1 M
2008*	No net expenditures.

*Jan – May 2008

c. description of work completed including start dates, end dates and locations.

Due to project re-evaluation and permitting delays, none of the physical site work has been started. The original refurbishment scope was under design when the project was put on hold. No physical construction work had started since the required permits had not been obtained at that time. The majority of the expenditures on the project were for the procurement of the long lead equipment. A revised scope has been developed and is currently under design. No physical site work has started for the new design as the required site permitting process has recently been reinitiated.

Company Name: Con Edison
Case Description:
Case: 08-E-0539

Response to DPS Interrogatories – Set DPS8
Date of Response: 06/17/2008
Responding Witness: Infrastructure Investment Panel

Question No. :96.5
Subject: Substation Operations – Elmsford Refurbishment - Provide a detailed unit cost breakdown for each year. Include labor, materials, overhead, and contingencies.

Response:

	Labor	Materials/Equipment	Overhead	Contingency	Total
2007	$290k	$6512k	$1,310k	N/A	$8,112k
2008 (YTD)	$26k	($89.8k)	($3k)	N/A	($67.5k)

Note – Credits for some materials returned to stock are reflected in the 2008 expenditures. Some materials were returned to stock since they are no longer required based on the currently approved scope of work.

The full scope of the Elmsford refurbishment project has an order of magnitude estimate of $86.5 million with a planned service date of 2011. This project estimate includes a total of $14.2 million in contingency.

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Company Name: Con Edison
Case Description:
Case: 08-E-0539

Response to DPS Interrogatories – Set DPS8
Date of Response: 06/12/2008
Responding Witness: Infrastructure Investment Panel

Question No. :96.7
Subject: Substation Operations – Elmsford Refurbishment - Explain the reasons(s) for any variations, delays, or changes to the project.

Response:

Project delays were due to construction not starting due to permitting delays and a re-evaluation of project scope alternatives. The total estimated cost of the original project scope exceeded allowable funding, and senior management directed alternatives to this project to be developed and reviewed. A new project scope received executive approval in April 2008. The service date has been extended until 2011.

Company Name: Con Edison
Case Description:
Case: 08-E-0539

Response to DPS Interrogatories – Set DPS8
Date of Response: 06/17/2008
Responding Witness: Infrastructure Investment Panel

Question No. :98
Subject: Substation Operations – Replace 345 kV & 138 kV Circuit Breakers - 1. According to your exhibit IIP-13, page 7, there were 9 replacements and 7 overhauls for the 345 kV and 13 replacements for the 138 kV circuit breakers in 2007. Provide the maintenance history for these circuit breakers that were replaced in 2007 and to be replaced or overhauled in 2008. 2. Provide your analysis and the cost savings realized as a result of replacement/overhaul versus frequent repairs for the above replacements. 3. Provide the following information for 2007 and 2008 to date: a. A detailed unit cost break-down for each year. Include labor, materials, overhead, and contingencies. b. Explain the reasons(s) for any variations, delays, or changes to the project.

Response:

1. The maintenance history for each of these breakers can be found in the attached files "DPS 98 - 138 and 345 Breaker History 2008" and "DPS 98 - 138 and 345 Breaker History 2007."
2. Our maintenance strategies are developed to provide safe, reliable, operation and for this reason we adhere to our current requirements to perform major maintenance on our circuit breakers at a specified time frequency based on the original equipment manufacturer's guidance and engineering specifications. Therefore, overhauls are completed as specified and we do not analyze the cost savings of performing a breaker overhaul versus performing frequent repairs. Our strategy of performing major maintenance on circuit breakers is consistent with industry best practices. In recent years, we have begun implementing more condition-based monitoring of our breakers for the purpose of extending or eliminating time-based major maintenance intervals. We have purchased new 138 kV breakers with installed breaker diagnostics and participate in an Electric Power Research Institute (EPRI) initiative to develop maintenance ranking algorithms to leverage breaker condition monitoring for the purpose of optimizing maintenance frequencies for long-term benefit. We also re-evaluate maintenance requirements periodically for purposes of maintenance effectiveness by incorporating new technologies, operating experience, and lessons learned from equipment failures.

   However, the reliability improvements and potential maintenance (repair) cost savings associated with replacing a breaker versus overhauling the breaker are considered. When breakers approach their due date for major maintenance, decisions to replace or overhaul are made that are based on a number of factors. These factors may be specific to a particular circuit breaker or may apply to an entire class or type of breaker. The main

factors considered when determining replacement are: cost, reliability, safety, environmental considerations, and obsolescence.

Cost: The cost of an overhaul versus replacement as well as expected maintenance, repairs, and future overhaul costs are all considered.
Reliability: The history of the circuit breaker or class of circuit breakers is a factor. Past incidents of forced outages, failures and trip outs are considered. Known breaker design deficiencies are also weighed in this category. Breakers ratings are considered as well.
Safety: Failures and their consequences to company personnel as well as the public are considered. A safe operating environment is also a consideration.
Environmental: The consequences of failure as well as leak rates and inability to repair leaks of SF6 or oil are considered.
Obsolescence: Spare parts availability, time to acquire them as well as cost are all considered.

The majority of 138 kV breaker replacements being performed are to retire Westinghouse 1380 SF6 and CASP 45 breakers. Replacement of these breakers is economically and environmentally beneficial. The estimated cost of a 1380 breaker overhaul based on work recently performed on Buchanan BT 3-4 is as follows:

Labor	$75,000
Materials	$143,000
Overhead/Contingencies	$62,000
Total	$280,000

The overhaul cost is equivalent to approximately 2/3 the cost of replacement ($425,000) of these breakers. The cost of overhaul is significant based on the high cost of spare parts and the large scope of work necessary to upgrade numerous components to address SF6 leakage design vulnerabilities. The cost of CASP-45 overhauls is estimated to be the same as the cost of parts and scope of work is similar. Replacement of these breakers resolves numerous maintenance related issues such as availability and cost of spare parts, outage length to perform repairs, and improves performance. Recent performance issues for these breakers include inadvertent operation caused by SF6 gas leakage and broken operating rods. Significant improvement in SF6 gas leakage reduction is achieved, the vulnerability to future leakage is much less due to better breaker designs and substantially lower SF6 breaker inventories (new breaker SF6 volume is much lower than the breakers they are replacing). The new breakers provide built-in breaker diagnostics which are used to closely monitor breaker performance and optimize maintenance intervals which provides long-term economic benefit considering the potential to defer or eliminate much time-based maintenance. Breaker replacement allows us to continually modernize the fleet, improving performance and reliability.

3. The information requested for part (a) can be found in the attached excel file "DPS-98 - 138 and 345 kV Breakers 2007-2008." Notes are contained in attached file "DPS-98 HV breaker notes". Regarding part (b), equipment availability plays a large role in determining the individual breakers that are overhauled or replaced in a given time period. However, we work to build flexibility into the program by having a number of alternate candidate breakers ready for work, in order to minimize the impact of system events on this program. The program is progressing as planned without major variations.

Redacted

High Voltage Breaker Overhauls and Replacements 2007-2008

LOCATION	Work Completed	Voltage	DESCRIPTION	LABOR	MATERIALS	OVERHEAD	TOTAL
ASTORIA WEST	2008	138	REPLACE BREAKER #1S (**Note 1**)	$144,991	$19,094	$67,958	**$232,044**
DUNWOODIE	2008	345	OVERHAUL BREAKER #8 & #6	$402,479	$263,093	$231,540	**$897,113**
DUNWOODIE	2008	138	REPLACE BREAKER #9AN	$297,251	$138,785	$157,904	**$593,941**
EAST 179TH ST	2007	138	REPLACE BREAKERS BTE & BTW	$301,297	$242,070	$183,267	**$726,634**
EAST FISHKILL	2007	345	OVERHAUL BREAKERS 3 & 5	$251,034	$302,341	$188,203	**$741,578**
FARRAGUT	2007	345	REPLACE BREAKER 10E	$283,438	$578,068	$256,485	**$1,117,991**
FARRAGUT	2007	345	REPLACE BREAKER 8W	$213,833	$439,323	$203,406	**$856,561**
FARRAGUT	2007	345	OVERHAUL BREAKER 10W	$144,716	$127,306	$90,248	**$362,270**
FARRAGUT	2008	345	REPLACE BREAKER #6E	$319,735	$357,827	$217,015	**$894,577**
FRESH KILLS	2007	138	REPLACE BREAKER BT 1-4	$212,936	$212,776	$140,639	**$566,351**
FRESH KILLS	2007	345	REPLACE BREAKER 5	$159,541	$255,544	$121,984	**$537,069**
FRESH KILLS	2008	345	REPLACE BREAKER #1	$227,091	$353,779	$175,815	**$756,685**
FRESH KILLS	2008	138	REPLACE BREAKER #BT1-3	$162,000	$111,841	$98,505	**$372,346**
FRESH KILLS	2008	138	OVERHAUL BREAKER #BT1-7 & #BT1-8	$107,765	$192,334	$85,856	**$385,955**
GOETHALS	2007	345	REPLACE BREAKER 2N	$216,373	$463,445	$211,043	**$890,860**
GOWANUS	2007	345	REPLACE BREAKER 14	$348,710	$440,941	$252,958	**$1,042,609**
JAMAICA	2007	138	REPLACE BREAKER 7 & 8 (INCLUDES OTHER WORK) (**Note 2**)	$2,241,449	$2,139,461	$1,485,602	**$5,866,512**
JAMAICA	2008	138	REPLACE BREAKER #13	$189,568	$151,960	$114,441	**$455,970**
JAMAICA	2008	138	REPLACE BREAKER #14	$130,928	$175,675	$95,327	**$401,929**
LADENTOWN	2007	345	OVERHAUL BREAKERS 6-56-2 & 4-56-2	$50,842	$1,279,689	$375,792	**$1,706,323**
LADENTOWN	2008	345	OVERHAUL BREAKER #1-56-2				**Note 3**
MILLWOOD	2007	345	REPLACE BREAKER 14	$435,716	$407,637	$309,934	**$1,153,287**
MILLWOOD	2007	345	OVERHAUL BREAKER 4	$77,345	$306,104	$98,335	**$481,784**
QUEENSBRIDGE	2007	138	REPLACE BREAKERS 2E & 3E	$218,299	$393,218	$181,060	**$792,577**
QUEENSBRIDGE	2007	138	REPLACE BREAKERS 5E	$185,585	$141,973	$114,789	**$442,347**
QUEENSBRIDGE	2007	138	REPLACE BREAKER 4E	$169,587	$127,655	$105,894	**$403,136**
QUEENSBRIDGE	2008	138	REPLACE BREAKER #14E	$157,883	$163,785	$102,146	**$423,814**
QUEENSBRIDGE	2008	138	REPLACE BREAKER #1E	$159,194	$129,903	$96,459	**$385,556**
RAINEY	2007	345	REPLACE BREAKER 7W	$166,883	$273,176	$129,220	**$569,279**
RAINEY	2007	345	REPLACE BREAKER 8E	$182,501	$269,388	$136,390	**$588,279**
SPRAIN BROOK	2007	138	REPLACE BREAKER N7 (EMERGENCY)	$276,696	$268,403	$200,696	**$745,795**
SPRAIN BROOK	2007	345	REPLACE BREAKER RN5	$426,229	$424,125	$299,539	**$1,149,892**
SRAINBROOK	2008	138	REPLACE BREAKER #S6	$227,247	$283,941	$157,852	**$669,040**
VERNON	2007	138	REPLACE BREAKER 2E	$169,009	$139,857	$107,297	**$416,163**
VERNON	2007	138	REPLACE BREAKERS 4W & 5W	$334,359	$329,271	$239,077	**$902,708**
VERNON	2008	138	REPLACE BREAKER #7W	$757,785	$680,639	$513,205	**$1,951,629**
W49 ST	2008	345	OVERHAUL BREAKER #4 (**Note 4**)	$82,731	$29,164	$44,092	**$155,987**
WEST 49TH ST	2007	345	OVERHAUL BREAKER 6	$135,958	$178,353	$106,821	**$421,131**

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High Voltage Breaker Overhauls and Replacements 2007-2008

Note 1 - Actual replacement breaker bought prior to 2007, materials cost understated.
Note 2 - Jamaica Breakers 7 and 8 were done coincidentally with the addition of breakers 17 and 18. Extensive station modifications were required for this work.
Note 3 - All 3 Ladentown Breakers were appropriated together, so the $1.706M represents the cost of all 3.
Note 4 - All charges for this breaker have yet to be cleared. Originally appropriated for $278k.

2008 High Voltage Breaker Overhauls and Replacements

LOCATION	DESCRIPTION	LABOR	MATERIALS	OVERHEAD	TOTAL
	138 KV REPLACEMENTS				
QUEENSBRIDGE	REPLACE BREAKER 14E	$157,883	$163,785	$102,146	**$423,814**
DUNWOODIE	REPLACE BREAKER 9AN (includes additional work) **Note 7**	$297,251	$138,785	$157,904	**$593,941**
VERNON	REPLACE BREAKER 7W **Note 3**	$757,785	$380,639	$513,205	**$1,651,629**
JAMAICA	REPLACE BREAKER 13	$189,568	$151,960	$114,441	**$455,970**
SPRAINBROOK	REPLACE BREAKER S6 (includes additional work) **Note 8**	$227,247	$283,941	$157,852	**$669,040**
ASTORIA WEST	REPLACE BREAKER 1S	$144,991	$128,094	$67,958	**$341,044**
QUEENSBRIDGE	REPLACE BREAKER 1E	$159,194	$129,903	$117,159	**$406,256**
JAMAICA	REPLACE BREAKER 14	$130,928	$175,675	$95,327	**$401,929**
FRESH KILLS	REPLACE BREAKER BT1-3	$162,000	$111,841	$98,505	**$372,346**
	Average 2008 cost of replacement				**$422,448**
	138 KV OVERHAULS				
FRESH KILLS	OVERHAUL BREAKER BT1-7 & BT1-8	$107,765	$192,334	$85,856	**$385,955**
	Average 2008 cost of overhaul				**$192,978**
	345 KV REPLACEMENTS				
FRESH KILLS	REPLACE BREAKER 1	$227,091	$353,779	$175,815	**$756,685**
FARRAGUT	REPLACE BREAKER 6E	$319,735	$357,827	$217,015	**$894,577**
	Average 2008 cost of replacement				**$825,631**
	345 KV OVERHAULS				
LADENTOWN	OVERHAUL BREAKER 1-56-2 **Note 6**	n/a	n/a	n/a	**n/a**
W49 ST	OVERHAUL BREAKER 4 **Note 9**	$82,731	$29,164	$44,092	**$155,987**
DUNWOODIE	OVERHAUL BREAKER 8 & 6	$402,479	$263,093	$231,540	**$897,113**
	Average 2008 cost of overhaul				**$351,033**

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High Voltage Breaker Replacements and Overhauls for 2007 - 2008

Note 1: This breaker was an expedited replacement due to problems found with the breaker during testing. For this reason, this breaker was not considered for calculation of the average cost for 2007.

Note 2: This breaker replacement included additional work for cable trenching not normally part of a breaker replacement. The trenching work performed was utilized for the replacement of BT1-3 as well which is why the total cost for BT1-3 is lower than BT1-4 and more aligned with average breaker replacement cost.

Note 3: Vernon breakers 8W, 7W, 5W, 4W, 3W, 7E, and 1E were all appropriated together. 3W, 4W, 5W and 7W are complete and the total amount expended to date associated with these 4 breakers is shown in the 2008 data. The average cost for 2008 includes these 4 breakers.

Note 4: Jamaica breakers 7&8 were installed as part of an extensive reliability project at the Jamaica substation that included the installation of breaker 17&18 as well as other work. A separate breakout of the cost of the breaker replacements alone is not available.

Note 5: Buchanan BT3-4 was an overhaul of a Westinghouse 1380 breaker completed in 2006 and is shown here for comparison purposes. The scope of this work included replacement of 2 of 3 phases. The third phase was tested satisfactorily and not replaced and therefore this work was performed as O&M and not as part of this capital program.

Note 6: All 3 Ladentown breakers were appropriated together. Breaker 1-56-2 was completed in 2008. The total cost for all 3 overhauls is included in the 2007 data and used in the calculation of the average cost for 2007.

Note 7: Replacement of this breaker included an extensive amount of conduit runs and civil work on the breaker foundation not normally associated with breaker replacements.

Note 8: Replacement of this breaker included replacement of an associated disconnect switch and therefore the cost of this breaker replacement is not included in the 2008 average.

Note 9: All charges for this breaker overhaul have not cleared yet and therefore the costs for this breaker overhaul are not included in the 2008 average.

General Note:
The scope of work and cost of high voltage breaker overhauls varies greatly depending on the type of breaker. This is due to differences in design and the overhaul material and labor requirements.

MAXIMO REPORT: EQUIPMENT HISTORY

Station: WEST 49TH ST. **Equipment: BKR-0000328** **W49ST-CIRCUIT BREAKER-6**

RESP AREA	WORK TYPE	WORK NUMBER	STATUS	DESCRIPTION	PRTY	REPORT DATE	REPORTED BY	SUPV	HRS	ACTUAL FINISH
FACILITY	ALARM	**0008155145**	CLOSE	CHECK AND REPAIR TROUBLE ALARM ON BREAKER 6	5	5/12/2008	18713		8.0	6/4/2008
Long Description:										
PROTSYS	SR	**0008082713**	INPRG	W49 ST - BKR #6 ZONE 2 BYPASS UP WITH BREAKER CLOSED	5	4/22/2008	50900		4.0	4/20/2008
Long Description:	**FOUND DEFECTIVE "b" SWITCH. GIVEN TO SSO/MTCE FOR REPAIR**									
FACILITY	CMP-0	**0008022758**	CLOSE	0500-02 DEW POINT TESTING -BKR 6	4	3/31/2008	MAXADMIN	02822	1.0	4/11/2008
Long Description:										
FACILITY	DT	**0007942671**	POUTG	BKR 6 (DT)	4	2/29/2008	MAXADMIN		0.0	
Long Description:	**Overhaul completed on 1/15/08**									
FACILITY	CMP-0	**0007875090**	CLOSE	0500-28 BKR SUMMERIZATION INSP 6	4	2/8/2008	89260	38902	8.0	3/18/2008
Long Description:										
FACILITY	CM	**0007647781**	CLOSE	49 ST REPLACE DEFECTIVE NAUGREN VALVE ON BREAKER #6	5	12/10/2007	18713		25.0	1/15/2008
Long Description:										
FACILITY	CM	**0007638975**	POUTG	W49ST-CIRCUIT BREAKER-6 REPAIR LEAKING NORGRAN (AIR) VALVE	3	12/3/2007	16348		0.0	
Long Description:										
ENV	DLNH	**0007560656**	CLOSE	PERCISION ECL CLEANER AND METAL FLOURIDE DEBRIS	5	11/14/2007	83964		0.0	11/19/2007
Long Description:	**BKR #6**									
FACILITY	CMP-0	**0007507868**	CLOSE	0500-17 ANNUAL COMPRESSOR BKR 6	4	10/31/2007	MAXADMIN	38902	15.5	12/20/2007
Long Description:										
PROTSYS	CAP	**0007484761**	CLOSE	W49TH ST - BREAKER 6 OVERHAUL - DOBLE	5	10/27/2007	01518		91.0	11/10/2007
Long Description:										

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MAXIMO REPORT: EQUIPMENT HISTORY

Station: WEST 49TH ST. **Equipment: BKR-0000328** **W49ST-CIRCUIT BREAKER-6**

RESP AREA	WORK TYPE	WORK NUMBER	STATUS	DESCRIPTION	PRTY	REPORT DATE	REPORTED BY	SUPV	HRS	ACTUAL FINISH
AUXSUP	CAP	**0007463658**	CLOSE	W49ST- BKR 6 HIPOT AFTER OH	5	10/24/2007	49436	49436	702.0	11/29/2007

Long Description: **set up ac set to test set prior to moving set to location and setting up for actual hipot**

AC Proof Test Data

Location Of Test: W49st Equip. Bkr 6 Date: 11/2/07 to 11/4/07 Starting Time:

Voltage Applied: 400 kv ac Duration of Test: 5 min's at top end Station Set/Truck # W49st AC Performed By:

Test OK: Test Failed: Surged: End Time:

TEST DATA : A Phase
AC KILOVOLTS Duration Amps Remarks: 11/2/2007
40 kv 20 min's 0
80 kv 20 min's 0
120 kv 20 min's 0
160 kv 20 min's 0
200 kv 20 min's 0
240 kv 1 min. 0
280 kv 1 min. 0
320 kv 1 min. 0.25
360 kv 1 min 0.5
400 kv 5 min's 1

TEST DATA : B Phase
AC KILOVOLTS Duration Amps Remarks: 11/3/2007
30 kv 1 min. 0
70 kv 1 min. 0
110 kv 1 min. 0
150 kv 1 min. 0
190 kv 1 min. 0
230 kv 1 min. 0
270 kv 1 min. 0
310 kv 1 min. 0.25
400 kv 5 min's 1

TEST DATA : C Phase
AC KILOVOLTS Duration Amps Remarks: 11/4/2007
30 kv 1 min. 0
70 kv 1 min. 0
110 kv 1 min. 0

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MAXIMO REPORT: EQUIPMENT HISTORY

Station: WEST 49TH ST. **Equipment: BKR-0000328** **W49ST-CIRCUIT BREAKER-6**

RESP AREA	WORK TYPE	WORK NUMBER	STATUS	DESCRIPTION	PRTY	REPORT DATE	REPORTED BY	SUPV	HRS	ACTUAL FINISH
	150 kv 1 min. 0									
	190 kv 1 min. 0									
	230 kv 1 min. 0									
	270 kv 1 min. 0									
	310 kv 1 min. 0.25									
	400 kv 5 min's 1									
FACILITY	CAP	**0007460840**	CLOSE	BREAKER 6 RETIREMENT OF OLD EQUIPTMENT	5	10/22/2007	18713		203.5	10/28/2007
Long Description:										

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Exhibit __ (SIIP-1)
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MAXIMO REPORT: EQUIPMENT HISTORY

Station: WEST 49TH ST. **Equipment: BKR-0000328** **W49ST-CIRCUIT BREAKER-6**

RESP AREA	WORK TYPE	WORK NUMBER	STATUS	DESCRIPTION	PRTY	REPORT DATE	REPORTED BY	SUPV	HRS	ACTUAL FINISH
FACILITY	CMP-0	**0007317240**	CLOSE	0500-28 BKR WINTERIZATION INSP 6	4	9/30/2007	MAXADMIN	54198	8.0	12/7/2007

Long Description: **Job plan was completed as per attached E mail**

----Original Message----
From: Manzo, Jose
Sent: Friday, December 07, 2007 12:10 PM
To: Discala, Philip J.
Subject: FW: Emailing: manzo

----Original Message----
From: Salony, Robert
Sent: Friday, December 07, 2007 12:10 PM
To: Manzo, Jose
Subject: RE: Emailing: manzo

Answer sheet

1. 0007317240
2. yes
3. half
4. no
5. yes
6. no
7. yes
8. yes
9. 17
10. 17
11. 16
12. 16.9
13. yes
14. yes
15. NA
16. 90
17. 245
18. 245
19. 260
20. 260
21. 0153.4
22. 260
23. 80
24. 44

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Exhibit __ (SIIP-1)
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MAXIMO REPORT: EQUIPMENT HISTORY

Station: WEST 49TH ST. **Equipment: BKR-0000328** **W49ST-CIRCUIT BREAKER-6**

RESP AREA	WORK TYPE	WORK NUMBER	STATUS	DESCRIPTION	PRTY	REPORT DATE	REPORTED BY	SUPV	HRS	ACTUAL FINISH
	25. 58 26. 230 27. 230 28. 250 29. 240 30. 4204 31. 00927 32. yes 33. no 34. no 35. on Robert Salony Manhattan West									
FACILITY Long Description:	CM	0007110495	CLOSE	WEST 49 ST BREAKER 6 WOULD NOT CLOSE, CHECK AND REPAIR	5	7/3/2007	18713		4.0	7/31/2007
FACILITY Long Description:	CMP	0006894175	CLOSE	0500-02 DEW POINT TESTING -BKR 6	2	5/1/2007	MAXADMIN	56690	1.5	5/16/2007
FACILITY Long Description:	CM	0006792816	CLOSE	49 STREET REPAIR BREAKER 6. WILL NOT CLOSE	2	4/2/2007	18713		14.5	4/24/2007
PROTSYS Long Description:	SR	0006757472	CLOSE	W49 - BREAKER 6 TRIPS FREE WHEN CLOSED INVESTIGATION WITH MTCE	5	3/31/2007	18934		32.0	4/1/2007
FACILITY Long Description:	CMP	0006646848	CLOSE	0500-28 SUMMERIZATION INSP BKR 6	2	2/28/2007	MAXADMIN	38902	16.0	3/26/2007
FACILITY Long Description:	GC	0006466481	CLOSE	GAS CALL- BKR 6	2	1/18/2007	83964	83964	0.0	1/18/2007
FACILITY Long Description:	GC	0006466472	CLOSE	GAS CALL- BKR 6	2	1/18/2007	83964	83964	0.0	1/18/2007
FACILITY Long Description:	CMP	0006198372	CLOSE	0500-17 ANNUAL COMPRESSOR BKR 6	2	10/31/2006	MAXADMIN	21100	4.0	2/12/2007

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Exhibit __ (SIIP-1)
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MAXIMO REPORT: EQUIPMENT HISTORY

Station: WEST 49TH ST. **Equipment: BKR-0000328** **W49ST-CIRCUIT BREAKER-6**

RESP AREA	WORK TYPE	WORK NUMBER	STATUS	DESCRIPTION	PRTY	REPORT DATE	REPORTED BY	SUPV	HRS	ACTUAL FINISH
FACILITY Long Description:	CMP	**0006179629**	CLOSE	0500-28 BKR WINTERIZATION INSP 6	2	10/31/2006	MAXADMIN	21100	8.0	11/21/2006
FACILITY Long Description:	CMP	**0005583835**	CLOSE	0500-02 DEW POINT TESTING -BKR 6	2	5/1/2006	MAXADMIN	21100	2.0	7/6/2006

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Exhibit __ (SIIP-1)
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MAXIMO REPORT: EQUIPMENT HISTORY

Station: WEST 49TH ST. **Equipment: BKR-0000328** **W49ST-CIRCUIT BREAKER-6**

RESP AREA	WORK TYPE	WORK NUMBER	STATUS	DESCRIPTION	PRTY	REPORT DATE	REPORTED BY	SUPV	HRS	ACTUAL FINISH
FACILITY	OH	0005398053	CLOSE	BKR-0000328 GCB 6 W49 BKR 6 OVERHAUL	4	3/2/2006	20412		1199.5	11/11/2007

Long Description: **Final DOBLE test results were accepted by Engineering**
M4000 - Clipboard
C:\Documents and Settings\renef\Desktop\w49 BRK 6 LAST TEST RESULTS.txt
11/09/07 11:29 PM

Nameplate

Date (MM/DD/YY)	11/09/07	Time	11:23 PM
Company	ConEd		
Location	W49 ST S/S		
Equipment	BREAKER 6		
Serial Number	41-39086-1044		
Manufacturer	ITE		
Special ID	BUILT 1974		
Circuit Designation			

Administrative Info

Checked by	F. RENE	Tested by	CESPEDES AND MYRIE
Controller No.	PC CE78KH	Sheet No.	1 OF 1
Instrument No.	059700940		

Test Conditions

Weather	Unknown	Air Temperature	18 °C
Humidity	40 %	Oil Temperature	

Test Results

No	Test ID	L Circ. C Desc.	kV	mA	Meas. Watts	Corr. %PF	Corr. Fctr	Cap./ %PF	R Ind.	T
1	APH(HV LEAD BUSHING#1)	A GND-RB	10.00	1.718	0.036	0.208	1.00	0.208	455.68	pF
2	APH(HV LEAD BUSHING#2)	A GND-RB	10.00	1.728	0.039	0.227	1.00	0.227	458.24	pF
3	BPH(HV LEAD BUSHING#3)	A GND-RB	10.00	1.725	0.048	0.277	1.00	0.277	457.64	pF
4	BPH(HV LEAD BUSHING#4)	A GND-RB	10.00	1.731	0.041	0.236	1.00	0.236	459.11	pF
5	CPH(HV LEAD BUSHING#5)	A GND-RB	10.00	1.742	0.045	0.259	1.00	0.259	462.04	pF
6	CPH(HV LEAD BUSHING#6)	A GND-RB	10.00	1.742	0.052	0.297	1.00	0.297	462.09	pF
7	APH(HV LEAD BUSHING#1)	A UST-R	10.00	1.348	0.034	0.250	1.00	0.250	357.65	pF
8	BPH(HV LEAD BUSHING#3)	A UST-R	10.00	1.382	0.059	0.426	1.00	0.426	366.60	pF
9	CPH(HV LEAD BUSHING#5)	A UST-R	10.00	1.393	0.063	0.450	1.00	0.450	369.55	pF
10	APH(HV LEAD BUSHINGS#1&2)	A GND-RB	10.00	2.226	0.046	0.206	1.00	0.206	590.54	pF

Redacted

Exhibit __ (SIIP-1)
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MAXIMO REPORT: EQUIPMENT HISTORY

Station: WEST 49TH ST. **Equipment: BKR-0000328** **W49ST-CIRCUIT BREAKER-6**

RESP AREA	WORK TYPE	WORK NUMBER	STATUS	DESCRIPTION	PRTY	REPORT DATE	REPORTED BY	SUPV	HRS	ACTUAL FINISH
11 BPH(HV LEAD BUSHINGS#3&4) A GND-RB 10.00 2.223 0.048 0.216 1.00 0.216 589.59 pF										
12 CPH(HV LEAD BUSHINGS#5&6) A GND-RB 10.00 2.239 0.052 0.233 1.00 0.233 593.79 pF										

LC (Line Configuration) Parameters:
A = Ref. to 10 kV, Line Frequency Modulation, 60 Hz
B = Ref. to 10 kV, Line Frequency Modulation, 50 Hz
C = Ref. to 10 kV, Line Sync Reversal
D = Actual Values, Line Frequency Modulation, 60 Hz
E = Actual Values, Line Frequency Modulation, 50 Hz
F = Actual Values, Line Sync Reversal

Sheet Note

BREAKER CONTACTS 1,3 &5 ARE CONNECTED TO STATION GROUND SWITCH 56 TEST POINTS. BREAKER CONTACTS 2,4 &6 ARE CONNECTED TO STATION GROUND SWITCH 58 TEST POINTS. TESTS 1 THRU 6 PERFORMED WITH BKR. OPEN, BUSHINGS OF PHASES NOT UNDER TEST ARE LEFT FLOATING.
TESTS 7,8,9 PERFORMED WITH BKR. OPEN, LV LEAD TO OTHER CONTACT. TEST 10,11,12 PERFORMED WITH BKR. CLOSE AND LV LEAD GRD..

Air Temperature and Humidity

Test Number	Test Date	Test Time	Air Temp.	Humidity
1	11/09/07	09:56 PM	18 °C	39 %
2	11/09/07	10:20 PM	18 °C	40 %
3	11/09/07	10:03 PM	18 °C	40 %
4	11/09/07	10:28 PM	18 °C	40 %
5	11/09/07	10:10 PM	18 °C	40 %
6	11/09/07	10:43 PM	18 °C	40 %
7	11/09/07	11:02 PM	18 °C	39 %
8	11/09/07	11:06 PM	18 °C	39 %
9	11/09/07	11:16 PM	18 °C	40 %
10	11/09/07	10:56 PM	18 °C	40 %
11	11/09/07	10:51 PM	18 °C	40 %
12	11/09/07	10:46 PM	18 °C	40 %
15	11/09/07	11:11 PM	18 °C	40 %

FACILITY	CMP	**0005353526**	CLOSE	0500-28	BKR SUMMERIZATION INSP	6	2	2/28/2006	MAXADMIN	21100	12.0	5/1/2006
Long Description:												

Redacted

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MAXIMO REPORT: EQUIPMENT HISTORY

Station: WEST 49TH ST. **Equipment: BKR-0000328** **W49ST-CIRCUIT BREAKER-6**

RESP AREA	WORK TYPE	WORK NUMBER	STATUS	DESCRIPTION	PRTY	REPORT DATE	REPORTED BY	SUPV	HRS	ACTUAL FINISH
FACILITY Long Description:	CMP	**0000345172**	CLOSE	0500-28 BKR WINTERIZATION INSP 6	2	10/25/2005	PMWOGEN	01748	0.0	2/8/2006
FACILITY Long Description:	CMP	**0000345037**	CLOSE	0500-17 ANNUAL COMPRESSOR BKR 6	2	10/25/2005	PMWOGEN	21100	8.0	10/6/2006
FACILITY Long Description:	CMP	**0000300974**	CLOSE	0500-28 BKR SUMMERIZATION INSP 6	4	2/25/2005	PMWOGEN	56690	8.0	5/27/2005
FACILITY Long Description:	CMP	**0000278922**	CLOSE	0500-28 BKR WINTERIZATION INSP 6	4	10/25/2004	PMWOGEN	86336	0.0	12/17/2004
FACILITY Long Description:	CMP	**0000278533**	CLOSE	0500-17 ANNUAL COMPRESSOR BKR 6	4	10/25/2004	PMWOGEN	21100	1.5	7/5/2005
FACILITY Long Description:	CMP	**0000252697**	CLOSE	0500-02 DEW POINT TESTING -BKR 6	4	4/25/2004	PMWOGEN	19325	0.8	6/9/2004
FACILITY Long Description:	CMP	**0000245645**	CLOSE	0500-28 BKR SUMMERIZATION INSP 6	4	2/28/2004	PMWOGEN	19325	8.0	4/20/2004
FACILITY Long Description:	CM	**0000241611**	CLOSE	REPAIR BKR 6 TROUBLE ALARM	5	1/29/2004	20259	56690	16.0	2/3/2004
FACILITY Long Description:	CMP	**0000231367**	CLOSE	0500-28 BKR SUMM/WINT INSP 6	2	10/30/2003	PMWOGEN	38902	6.0	12/9/2003
FACILITY Long Description:	CMP	**0000231152**	CLOSE	0500-17 ANNUAL COMPRESSOR BKR 6	2	10/30/2003	PMWOGEN	38902	2.0	12/9/2003
FACILITY Long Description:	CMP	**0000206253**	CLOSE	0500-28 BKR SUMM/WINT INSP 6	2	4/29/2003	20412		0.0	5/15/2003
FACILITY Long Description:	CMP	**0000206239**	CLOSE	0500-02 DEW POINT TESTING -BKR 6	2	4/29/2003	20412		0.0	5/15/2003
FACILITY Long Description:	CMP	**0000183606**	CLOSE	0500-17 ANNUAL COMPRESSOR BKR 6	2	10/29/2002	20412	21100	12.0	7/3/2003
FACILITY Long Description:	CM	**0000177660**	CLOSE	BKR# 6 (DOBLE TEST) SSM / PST	3	9/30/2002	18934	39043	0.0	10/21/2002

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MAXIMO REPORT: EQUIPMENT HISTORY

Station: WEST 49TH ST. **Equipment: BKR-0000328** **W49ST-CIRCUIT BREAKER-6**

RESP AREA	WORK TYPE	WORK NUMBER	STATUS	DESCRIPTION	PRTY	REPORT DATE	REPORTED BY	SUPV	HRS	ACTUAL FINISH
FACILITY Long Description:	FMS	**0000177009**	CLOSE	MODIFY BREAKER CONTROL CABINET TO GAIN ACCESS TO AIR COMPRESSOR	5	9/26/2002	39043		18.0	10/21/2002
FACILITY Long Description:	CMP	**0000177006**	CLOSE	0500-28 BKR SUMM/WINT INSP 6	2	9/26/2002	20412	39043	6.0	10/21/2002
FACILITY Long Description:	CM	**0000174192**	CLOSE	BKR# 6 (DOBLE TEST) SSM / PST	3	9/3/2002	20412	39043	25.0	9/28/2002
FACILITY Long Description:	CMP	**0000160212**	CLOSE	0500-02 DEW POINT TESTING -BKR 6	2	4/30/2002	20412		0.0	4/1/2002
FACILITY Long Description:	CMP	**0000158446**	CLOSE	0500-28 BKR SUMM/WINT INSP 6	2	4/22/2002	20259		4.0	5/22/2002
FACILITY Long Description:	CMP	**0000135030**	CLOSE	0500-17 ANNUAL COMPRESSOR BKR 6	9	10/29/2001	20412		2.0	11/26/2001
FACILITY Long Description:	CMP	**0000135012**	CLOSE	0500-28 BKR SUMM/WINT INSP 6	1	10/29/2001	20412		5.0	11/27/2001
FACILITY Long Description:	CMP	**0000115774**	CLOSE	SUMMERIZATION/WINTER OF BKR#6	1	6/4/2001	20412		2.0	6/5/2001
FACILITY Long Description:	CMP	**0000111696**	CLOSE	0500-28 BKR SUMM/WINT INSP 6	1	5/1/2001	20412		16.0	5/31/2001
FACILITY Long Description:	CMP	**0000100461**	CLOSE	0500-02 DEW POINT TESTING -BKR 6	9	3/1/2001	29132		0.0	3/16/2001
FACILITY Long Description:	GC	**89318-1**	CLOSE	GAS CALL - BKR 6	2	1/2/2001	37231		0.0	2/10/2003
FACILITY Long Description:	GC	**0000089318**	CLOSE	GAS CALL -CIRCUIT BREAKER 6	2	12/20/2000	19093		0.0	2/10/2003
FACILITY Long Description:	CMP	**0000078943**	CLOSE	0500-02 DEW POINT TESTING -BKR 6	9	11/1/2000	20412		0.0	12/12/2000
FACILITY Long Description:	CMP	**0000078920**	CLOSE	0500-28 BKR SUMM/WINT INSP 6	1	11/1/2000	20412		0.0	11/30/2000

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MAXIMO REPORT: EQUIPMENT HISTORY

Station: WEST 49TH ST. **Equipment: BKR-0000328** **W49ST-CIRCUIT BREAKER-6**

RESP AREA	WORK TYPE	WORK NUMBER	STATUS	DESCRIPTION	PRTY	REPORT DATE	REPORTED BY	SUPV	HRS	ACTUAL FINISH
FACILITY Long Description:	CMP	**0000075493**	CLOSE	0500-17 ANNUAL COMPRESSOR BKR 6	9	10/2/2000	20412		16.0	10/17/2000
FACILITY Long Description:	CMP	**0000071222**	CLOSE	0500-02 DEW POINT TESTING -BKR 6	9	8/31/2000	20412		0.0	10/3/2000
FACILITY Long Description:	CM	**0000047817**	CLOSE	CB #6 WILL NOT CLOSE	9	1/24/2000	37231		0.0	9/19/2000
FACILITY Long Description:	CM	**0000043419**	CLOSE	BREAKER 6 AT THE BKR. CAB. AUX RELAY 635X NEEDS TO BE REPLACED IT'S N.G.	5	12/5/1999	46822		0.0	6/8/2000
FACILITY Long Description:	CMP	**0000039608**	CLOSE	0500-28-CIR BKRS WINTERIZATION IN 6	1	11/1/1999	39043		8.0	11/17/1999
FACILITY Long Description:	GC	**0000021898**	CLOSE	W49ST-GAS CALL GCB/ITE MODC 6	1	6/1/1999	13357		0.0	11/1/1999
FACILITY Long Description:	CM	**0000012339**	CLOSE	REPLACE AIR RECEIVER DRAIN VALVE	9	2/22/1999	19325		8.0	10/8/1999
FACILITY Long Description:	CMP	**0000009018**	CLOSE	500-28-CIR BKRS WINTERIZATION IN	1	1/11/1999	20099		16.0	8/5/1999
FACILITY Long Description:	DT	**0000004528**	CLOSE	BKR-0000328 GCB 6	9	12/8/1998	MAXIMO		0.0	12/8/1998

62 total work order(s) having 2547.75 hours.

Redacted

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MAXIMO REPORT: EQUIPMENT HISTORY

Station: MILLWOOD WEST **Equipment: BKR-0000719** **MILL W-CIRCUIT BREAKER-14 **RETIRED****

RESP AREA	WORK TYPE	WORK NUMBER	STATUS	DESCRIPTION	PRTY	REPORT DATE	REPORTED BY	SUPV	HRS	ACTUAL FINISH
FACILITY Long Description:	CMP-0	**0007859213**	CLOSE	0500-28 BKR SUMMERIZATION INSP 14	4	2/8/2008	89260	15477	2.0	4/25/2008
FACILITY Long Description:	CMP-0	**0007336673**	CLOSE	0500-02 DEW POINT TESTING -BKR 14	4	10/1/2007	MAXADMIN	56751	0.0	10/23/2007
FACILITY Long Description:	CMP-0	**0007307897**	CLOSE	0500-28 BKR WINTERIZATION INSP 14	4	9/30/2007	MAXADMIN	16726	4.0	12/6/2007
FACILITY Long Description:	CM	**0007131533**	CLOSE	REPAIR MESH COMING OUT OF ATB HEAD A PHASE **Use 60 foot lift to snip copper mesh coming out of ATB bkr. 14 in Millwood sub station. sean ford , brendon macnamara, and Zach kalinowski . done on shift 1**	5	7/22/2007	20417	82577	23.5	7/23/2007
FACILITY Long Description:	CM	**0006955785**	CLOSE	REPAIR MESH ON A PHASE MUFFLER / BKR. 14 **MUFFLER MESH CUT OFF ON A PHASE**	5	5/29/2007	20417	82577	23.5	5/31/2007
FACILITY Long Description:	CMP	**0006595089**	CLOSE	0500-28 BKR SUMMERIZATION INSP 14	2	2/28/2007	MAXADMIN	15477	0.0	5/5/2007
FACILITY Long Description:	CMP	**0006104244**	CLOSE	0500-28 BKR WINTERIZATION INSP 14	2	9/30/2006	MAXADMIN	00609	8.0	12/12/2006
FACILITY Long Description:	CMP	**0006093554**	CLOSE	0500-02 DEW POINT TESTING -BKR 14	2	9/30/2006	MAXADMIN	70286	0.0	1/26/2007
FACILITY Long Description:	GC	**0005631130**	CLOSE	GAS CALL- BKR 14	2	5/11/2006	70286	70286	4.0	5/11/2006
FACILITY Long Description:	RET	**0005515929**	CLOSE	BKR- 14 REMOVE BREAKER FROM PAD	5	4/6/2006	19093		780.0	11/13/2007
FACILITY Long Description:	ALARM	**0005348873**	CLOSE	BREAKER 14 TRIP CIRCUIT MONITORING ALARM	1	2/28/2006	15477	17372	8.0	3/9/2006
FACILITY Long Description:	CMP	**0005317738**	CLOSE	0500-28 BKR SUMMERIZATION INSP 14	2	2/28/2006	MAXADMIN	15477	2.0	5/18/2006
PROTSYS Long Description:	SR	**0004942953**	CLOSE	BKR 14 WILL NOT OPERATE FROM ECC	5	11/23/2005	85048		16.0	11/22/2005

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MAXIMO REPORT: EQUIPMENT HISTORY

Station: MILLWOOD WEST **Equipment: BKR-0000719** **MILL W-CIRCUIT BREAKER-14 **RETIRED****

RESP AREA	WORK TYPE	WORK NUMBER	STATUS	DESCRIPTION	PRTY	REPORT DATE	REPORTED BY	SUPV	HRS	ACTUAL FINISH
FACILITY Long Description:	CM	**0000344324**	CLOSE	REPAIR MANUAL TRIP ASSEMBLY LEAK	3	10/20/2005	14180	15187	38.0	11/20/2005
FACILITY Long Description:	CMP	**0000341135**	CLOSE	0500-28 BKR WINTERIZATION INSP 14	2	9/25/2005	PMWOGEN	82577	2.0	12/9/2005
FACILITY Long Description:	CMP	**0000339395**	CLOSE	0500-02 DEW POINT TESTING -BKR 14	2	9/25/2005	PMWOGEN	49112	1.0	10/3/2005
FACILITY Long Description:	GC	**0000336741**	CLOSE	GAS CALL- BKR 14	2	9/7/2005	70286	70286	0.0	9/7/2005
FACILITY Long Description:	CM	**0000319530**	CLOSE	CHECK AIR PRESSURE SWITCHES	5	5/27/2005	39418	58747	20.0	12/20/2005
FACILITY Long Description:	CMP	**0000300992**	CLOSE	0500-28 BKR SUMMERIZATION INSP 14	4	2/25/2005	PMWOGEN	15477	2.0	5/1/2005
FACILITY Long Description:	CM	**0000296497**	CLOSE	BREAKER FAILURE	3	1/31/2005	14180	75400	27.0	3/25/2005
FACILITY Long Description:	INFO	**0000284086**	CLOSE	BKR.14 OPEN/AUTO AND NO ALARMS WERE UP	5	11/29/2004	72593		0.0	11/29/2004

MILLWOOD WEST
Event Type Description Start Date End Date Contact
MISC. Bkr.14 open/auto 11/28/2004 14:48 11/28/2004 19:05 Shift. Mgr.
Status Date Note
11/28/2004 14:48 Bkr.14 open/auto and no alarms were up prior, target 79T-14, air pressures were normal and the air compressor running.
11/28/2004 14:48 Bkr.14 re-closed
11/28/2004 15:50 Alpha notification was sent.
11/28/2004 15:51 Station operator reports pole #9 air compressor control switch was blowing fuses, also the head had an air leak.
11/28/2004 17:03 SSM was dispatched to connect an air trailer to Bkr.14 also check and repair pole #9 air compressor.
11/28/2004 17:50 Work permit issued to MTCE for connecting air trailer to Bkr #14.
11/28/2004 19:05 Work permit returned from MTCE for connecting air trailer to Bkr #14.

FACILITY Long Description:	CMP	**0000274350**	CLOSE	0500-28 BKR WINTERIZATION INSP 14	4	9/25/2004	PMWOGEN	15477	1.5	10/29/2004
FACILITY Long Description:	CMP	**0000272656**	CLOSE	0500-02 DEW POINT TESTING -BKR 14	4	9/25/2004	PMWOGEN	99294	3.0	10/4/2004

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MAXIMO REPORT: EQUIPMENT HISTORY

Station: MILLWOOD WEST **Equipment: BKR-0000719** **MILL W-CIRCUIT BREAKER-14 **RETIRED****

RESP AREA	WORK TYPE	WORK NUMBER	STATUS	DESCRIPTION	PRTY	REPORT DATE	REPORTED BY	SUPV	HRS	ACTUAL FINISH
PROTSYS Long Description:	CAP	**0000250438**	CLOSE	MILLWOOD BREAKER 14 CT WIRING - PST SUPPORT	5	4/1/2004	18830		80.0	3/25/2005
FACILITY Long Description:	CMP	**0000245661**	CLOSE	0500-28 BKR SUMMERIZATION INSP 14	4	2/28/2004	PMWOGEN	15477	2.0	4/23/2004
FACILITY Long Description:	CMP	**0000232937**	CLOSE	0500-02 DEW POINT TESTING -BKR 14	2	11/25/2003	PMWOGEN	99294	2.0	12/8/2003
FACILITY Long Description:	CMP	**0000225747**	CLOSE	0500-28 BKR SUMM/WINT INSP 14	2	9/29/2003	14180	15477	1.0	11/11/2003
FACILITY Long Description:	CM	**0000220289**	CLOSE	BREAKER 14 REPLACE 4 MUFFLERS	3	8/18/2003	14180	15477	49.0	10/22/2003
FACILITY Long Description:	CM	**0000220001**	CLOSE	345 BKR 14..COPPER MESH HANGING OUT OF 3 MUFFLERS..NEED REPLACEMENT	4	8/12/2003	14535	87941	0.0	2/9/2007
FACILITY Long Description:	CMP	**0000203722**	CLOSE	0500-28 BKR SUMM/WINT INSP 14	2	4/1/2003	19093		1.0	5/11/2003
FACILITY Long Description:	CMP	**0000187679**	CLOSE	0500-02 DEW POINT TESTING -BKR 14	2	12/2/2002	19093		2.0	2/19/2003
FACILITY Long Description:	CMP	**0000178274**	CLOSE	0500-28 BKR SUMM/WINT INSP 14	2	10/1/2002	19093		1.0	12/8/2002
FACILITY Long Description:	CMP	**0000153585**	CLOSE	0500-28 BKR SUMM/WINT INSP 14	2	3/19/2002	19093		0.5	4/16/2002
FACILITY Long Description:	CMP	**0000139670**	CLOSE	0500-02 DEW POINT TESTING -BKR 14	3	12/3/2001	19093		3.0	1/16/2002
FACILITY Long Description:	CM	**0000137158**	CLOSE	BKR 14 - LEAK IN THE AIR CABINET	9	11/11/2001	15477		0.0	12/3/2001
FACILITY Long Description:	CM	**0000135448**	CLOSE	345KV BREAKER AIR LEAK AT VALVE AT AIR GAUGES COMPARTMENT	4	11/1/2001	08639		18.0	11/29/2002

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MAXIMO REPORT: EQUIPMENT HISTORY

Station: MILLWOOD WEST **Equipment: BKR-0000719** **MILL W-CIRCUIT BREAKER-14 **RETIRED****

RESP AREA	WORK TYPE	WORK NUMBER	STATUS	DESCRIPTION	PRTY	REPORT DATE	REPORTED BY	SUPV	HRS	ACTUAL FINISH
FACILITY Long Description:	CMP	**0000129842**	CLOSE	0500-28 BKR SUMM/WINT INSP 14	1	9/27/2001	19093		2.0	11/19/2001
FACILITY Long Description:	CM	**0000111572**	CLOSE	REPAIR BURNED CT WIRING ON (A) PHASE	9	4/30/2001	77117		404.0	7/12/2001
FACILITY Long Description:	CMP	**0000110472**	CLOSE	0500-28 BKR SUMM/WINT INSP 14	1	4/25/2001	19093		0.0	6/21/2001
FACILITY Long Description:	SUPT	**0000103705**	CLOSE	BKR-14 EI FOR VENDOR TO ERECT SCAFFOLD	1	3/8/2001	80509		34.0	5/21/2001
AUXSUP Long Description:	HPOT	**0000099512**	CLOSE	MILL.-BKR #14 - HIPOT AFTER BKR OVERHAUL	1	2/27/2001	80509		112.0	5/9/2001
	DELIVER VEHICLE AND CHECK SET, SET UP, STANDBY AND ASSIST IF NECESSARY, BREAKDOWN WHEN COMPLETE, RETURN VEHICLE TO PROPER LOCATION HI-POT COMPLETE.									
PROTSYS Long Description:	SR	**0000099511**	CLOSE	BKR #14 - ISOLATE CT'S AND INSTALL JUMPERS	1	2/27/2001	80509		48.0	5/9/2001
FACILITY Long Description:	OH	**0000099410**	CLOSE	BKR-0000719 ACB 14	4	2/26/2001	80509		2130.0	5/9/2001
FACILITY Long Description:	CM	**0000095683**	CLOSE	BKR #14 AIR LEAK ON B-PHASE POLE # 4	9	1/24/2001	77117	77117	34.0	3/18/2001
FACILITY Long Description:	GC	**0000089554**	CLOSE	MILL W-GAS CALL ACB/ATB7AY 14	1	12/20/2000	75444	98397	6.0	12/24/2000
FACILITY Long Description:	GC	**0000089091**	CLOSE	GAS CALL ACB/ATB7AY 14	2	12/20/2000	19093		6.0	2/28/2003
FACILITY Long Description:	CMP	**0000086566**	CLOSE	0500-02 DEW POINT TESTING -BKR 14	9	12/1/2000	19093		2.0	1/9/2001
FACILITY Long Description:	CMP	**0000077032**	CLOSE	0500-28 BKR SUMM/WINT INSP 14	1	10/12/2000	19093		0.0	11/1/2000
FACILITY Long Description:	CMP	**0000071772**	CLOSE	0500-02 DEW POINT TESTING -BKR 14	9	9/5/2000	19093		2.0	9/26/2000

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MAXIMO REPORT: EQUIPMENT HISTORY

Station: MILLWOOD WEST **Equipment: BKR-0000719** **MILL W-CIRCUIT BREAKER-14 **RETIRED****

RESP AREA	WORK TYPE	WORK NUMBER	STATUS	DESCRIPTION	PRTY	REPORT DATE	REPORTED BY	SUPV	HRS	ACTUAL FINISH
FACILITY Long Description:	CMP	**0000063967**	CLOSE	0500-02 DEW POINT TESTING -BKR 14	9	6/12/2000	19093		0.0	7/17/2000
FACILITY Long Description:	CM	**0000054371**	CLOSE	BKR #14 - REPLACE PRESSURE SWITCH	9	3/21/2000	19093	77117	16.0	3/20/2000
FACILITY Long Description:	GC	**0000053791**	CLOSE	MILL W-GAS CALL ACB/ATB7AY 14	1	3/13/2000	19093	98397	0.0	3/13/2000
FACILITY Long Description:	CMP	**0000049717**	CLOSE	0500-02 CIRCUIT BREAKER - 14 - DEW POINT TEST	9	2/7/2000	19093		1.0	6/7/2000
FACILITY Long Description:	CM	**0000043385**	CLOSE	BKR #14 - MANUAL TRIP VALVE LEAKING	9	12/3/1999	19093	77117	8.0	12/3/1999
FACILITY Long Description:	CMP	**0000038635**	CLOSE	0500-28-CIR BKRS WINTERIZATION - BKR #14	1	10/21/1999	19093	77117	0.0	11/30/1999
FACILITY Long Description:	GC	**0000034824**	CLOSE	MILL W-GAS CALL ACB/ATB7AY 14	1	9/27/1999	19093	98397	16.0	10/19/1999
FACILITY Long Description:	CM	**0000033199**	CLOSE	BREAKER # 14 - REPAIR AIR LEAK ON POLE #3	9	9/9/1999	19093	56705	8.0	10/25/1999
FACILITY Long Description:	GC	**0000033043**	CLOSE	BREAKER # 14 - GAS CALL ADDED 9 LBS	1	9/8/1999	19093	56705	8.0	9/12/1999
FACILITY Long Description:	CMP	**0000029549**	CLOSE	500-02 CIRCUIT BREAKER - 14 - DEW POINT TEST	9	8/9/1999	19093	56705	1.0	8/5/1999
FACILITY Long Description:	GC	**0000026709**	CLOSE	MILL W-GAS CALL ACB/ATB7AY 14 ADD 7LBS	1	7/15/1999	06416	98397	4.0	7/15/1999
FACILITY Long Description:	PM	**0000026237**	CLOSE	BREAKER - #14 COMPRESSOR INSPECTION	9	7/9/1999	19093	56705	16.0	7/8/1999
FACILITY Long Description:	GC	**0000024583**	CLOSE	BKR - 14 GAS CALL ADDED 9 LBS	1	6/26/1999	19093	98397	1.0	6/24/1999
FACILITY Long Description:	GC	**0000022205**	CLOSE	MILL W-GAS CALL ACB/ATB7AY 14	1	6/4/1999	19093	98397	41.0	12/24/2000

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MAXIMO REPORT: EQUIPMENT HISTORY

Station: MILLWOOD WEST **Equipment: BKR-0000719** **MILL W-CIRCUIT BREAKER-14 **RETIRED****

RESP AREA	WORK TYPE	WORK NUMBER	STATUS	DESCRIPTION	PRTY	REPORT DATE	REPORTED BY	SUPV	HRS	ACTUAL FINISH
FACILITY	CMP	**0000020690**	CLOSE	500-28-CIR BKRS WINTERIZATION IN	1	5/26/1999	98219		0.0	5/26/1999
Long Description:										

64 total work order(s) having 4025 hours.

Redacted

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MAXIMO REPORT: EQUIPMENT HISTORY

Station: MILLWOOD WEST **Equipment: BKR-0000730** **MILL W-CIRCUIT BREAKER- 4**

RESP AREA	WORK TYPE	WORK NUMBER	STATUS	DESCRIPTION	PRTY	REPORT DATE	REPORTED BY	SUPV	HRS	ACTUAL FINISH
FACILITY Long Description:	CMP-0	**0007858431**	COMP	0500-28 BKR SUMMERIZATION INSP 4	4	2/8/2008	89260	15477	2.0	5/1/2008
FACILITY Long Description:	CMP-0	**0007336698**	CLOSE	0500-02 DEW POINT TESTING -BKR 4	4	10/1/2007	MAXADMIN	56751	1.0	11/14/2007
FACILITY Long Description:	CMP-0	**0007307967**	CLOSE	0500-28 BKR WINTERIZATION INSP 4	4	9/30/2007	MAXADMIN	16108	2.0	11/9/2007
FACILITY Long Description:	CMP-0	**0007239358**	APPR	0500-17 ANNUAL COMPRESSOR BKR 4	4	8/31/2007	MAXADMIN	56751	0.0	
PROTSYS Long Description:	SR	**0007023704**	CLOSE	MILLWOOD - W85 FIRST LINE CT CIRCUIT TROUBLESHOOT AND REPAIR	5	6/11/2007	18830		36.0	6/12/2007
FACILITY Long Description:	FM	**0006929076**	CLOSE	CRATE MATERIALS FOR BREAKER 4 O/H	5	5/10/2007	00594		88.0	5/11/2007
PROTSYS Long Description:	SUPT	**0006825092**	CLOSE	MILLW- BKR - 4 PST PERFORM DOBLE TESTING AFTER OVERHAUL	5	4/25/2007	18830		15.0	5/2/2007

Redacted

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MAXIMO REPORT: EQUIPMENT HISTORY

Station: MILLWOOD WEST **Equipment: BKR-0000730** **MILL W-CIRCUIT BREAKER- 4**

RESP AREA	WORK TYPE	WORK NUMBER	STATUS	DESCRIPTION	PRTY	REPORT DATE	REPORTED BY	SUPV	HRS	ACTUAL FINISH
AUXSUP	OH	**0006822639**	CLOSE	MILLW- BKR - 4 HIPOT AFTER(OH) - INSTALLATION OF NEW HEADS	3	4/23/2007	49436	49436	32.0	4/25/2007

Long Description: **DC Proof Test Data**

Location Of Test: Millwood Equip. Bkr 4 Date: 4/25/2007 Starting Time:

Voltage Applied: 450 kv dc Duration of Test: 5 min's Station Set/Truck # V1 Performed By:

Test OK: Test Failed: Surged: End Time:

TEST DATA : All phases tied.

ELAPSED TIME	DC KILOVOLTS	MILLIAMPS	Remarks:
0 sec.	450	1.3	set leakage = .15 ma
15 sec.	450	1.3	all phases tied
30 sec.	450	1.3	
45 sec.	450	1.3	
1 min.	450	1.3	
2 min.	450	1.3	
3 min.	450	1.3	
4 min.	450	1.3	
5 min.	450	1.3	

FACILITY	RET	**0006718752**	CLOSE	BKR 4 - REMOVAL OF BREAKER HEADS	5	3/22/2007	15477	17372	460.0	4/15/2007
Long Description:										
FACILITY	CMP	**0006594056**	CLOSE	0500-28 BKR SUMMERIZATION INSP 4	2	2/28/2007	MAXADMIN	15477	2.0	5/5/2007
Long Description:										
FACILITY	CMP	**0006104314**	CLOSE	0500-28 BKR WINTERIZATION INSP 4	2	9/30/2006	MAXADMIN	00609	8.0	12/13/2006
Long Description:										
FACILITY	CMP	**0006093608**	CLOSE	0500-02 DEW POINT TESTING -BKR 4	2	9/30/2006	MAXADMIN	70286	0.0	1/26/2007
Long Description:										
FACILITY	CMP	**0005991588**	CLOSE	0500-17 ANNUAL COMPRESSOR BKR 4	2	8/31/2006	MAXADMIN	56751	0.0	7/20/2007
Long Description:										
FACILITY	OH	**0005959368**	CLOSE	BKR - 4 (OH) - INSTALLATION OF NEW HEADS	2	8/22/2006	19093	17372	848.5	5/5/2007

Long Description: **new heads installed, Doble, Hi pot, Timing, new O-Rings on Poles and heads. compressor change out, new air lines, Microhms OK, Pressure switches done, Mufflers refurbished and installed. Rep Clint Rodgers from Areva on Site for job. All results in history folder.**

Redacted

MAXIMO REPORT: EQUIPMENT HISTORY

Station: MILLWOOD WEST **Equipment: BKR-0000730** **MILL W-CIRCUIT BREAKER- 4**

RESP AREA	WORK TYPE	WORK NUMBER	STATUS	DESCRIPTION	PRTY	REPORT DATE	REPORTED BY	SUPV	HRS	ACTUAL FINISH
FACILITY Long Description:	CMP	**0005316542**	CLOSE	0500-28 BKR SUMMERIZATION INSP 4	2	2/28/2006	MAXADMIN	15477	2.3	4/11/2006
FACILITY Long Description:	CM	**0005020283**	CLOSE	T/S W/PST BREAKER 4 TRIP CHECK PROBLEM	1	12/5/2005	15477	17372	8.0	12/5/2005
FACILITY Long Description:	CMP	**0000341137**	CLOSE	0500-28 BKR WINTERIZATION INSP 4	2	9/25/2005	PMWOGEN	82577	2.0	12/9/2005
FACILITY Long Description:	CMP	**0000339397**	CLOSE	0500-02 DEW POINT TESTING -BKR 4	2	9/25/2005	PMWOGEN	49112	1.0	10/3/2005
FACILITY Long Description:	CMP	**0000336156**	CLOSE	0500-17 ANNUAL COMPRESSOR BKR 4	2	9/1/2005	19093	70286	8.0	8/9/2006
FACILITY Long Description:	CMP	**0000300994**	CLOSE	0500-28 BKR SUMMERIZATION INSP 4	4	2/25/2005	PMWOGEN	15477	1.8	4/25/2005
FACILITY Long Description:	CMP	**0000274352**	CLOSE	0500-28 BKR WINTERIZATION INSP 4	4	9/25/2004	PMWOGEN	15477	1.5	10/25/2004
FACILITY Long Description:	CMP	**0000272658**	CLOSE	0500-02 DEW POINT TESTING -BKR 4	4	9/25/2004	PMWOGEN	99294	2.0	10/8/2004
FACILITY Long Description:	CMP	**0000245664**	CLOSE	0500-28 BKR SUMMERIZATION INSP 4	4	2/28/2004	PMWOGEN	15477	2.0	4/25/2004
FACILITY Long Description:	CMP	**0000232941**	CLOSE	0500-02 DEW POINT TESTING -BKR 4	2	11/25/2003	PMWOGEN	99294	2.0	12/8/2003
FACILITY Long Description:	CMP	**0000225751**	CLOSE	0500-28 BKR SUMM/WINT INSP 4	2	9/29/2003	14180	15477	1.0	11/9/2003
FACILITY Long Description:	CMP	**0000203726**	CLOSE	0500-28 BKR SUMM/WINT INSP 4	2	4/1/2003	19093		1.0	5/11/2003
FACILITY Long Description:	CMP	**0000187683**	CLOSE	0500-02 DEW POINT TESTING -BKR 4	2	12/2/2002	19093		2.0	1/14/2003
FACILITY Long Description:	DT	**0000181602**	CLOSE	BKR- 4 DOBLE TEST - PST	2	10/25/2002	19093		8.0	10/25/2002

Redacted

MAXIMO REPORT: EQUIPMENT HISTORY

Station: MILLWOOD WEST **Equipment: BKR-0000730** **MILL W-CIRCUIT BREAKER- 4**

RESP AREA	WORK TYPE	WORK NUMBER	STATUS	DESCRIPTION	PRTY	REPORT DATE	REPORTED BY	SUPV	HRS	ACTUAL FINISH
FACILITY	CMP	**0000178278**	CLOSE	0500-28 BKR SUMM/WINT INSP 4	2	10/1/2002	19093		5.5	11/25/2002
Long Description:										
FACILITY	CM	**0000168557**	CLOSE	345KV BKR.#4 AT AIR VALVE COMPARTMENT HAVE AIR LEAK ON FILL VALVE AT BASE	5	7/14/2002	08639	98397	0.0	3/30/2003
Long Description:	**of the valve stem.[minor at this time].**									
FACILITY	ENVAB	**0000157204**	CLOSE	BKR-4 REMOVE ACM IN CONTROL CABINET,JUCTION BOX	3	4/11/2002	77117	77117	87.5	7/24/2002
Long Description:										
FACILITY	DT	**0000154914**	CLOSE	BKR- 4 DOBLE TEST - PST	2	3/29/2002	19093		12.0	5/29/2002
Long Description:										
FACILITY	JUMP	**0000154732**	CLOSE	TEMPORARY JUMPER TAG # 8894	3	3/27/2002	03124	77117	7.5	7/24/2002
Long Description:										
FACILITY	JUMP	**0000154731**	CLOSE	TEMPORARY JUMPER TAG #8891	3	3/27/2002	03124	77117	12.0	7/24/2002
Long Description:										
FACILITY	DT	**0000153831**	CLOSE	BKR- 4 (DT)	2	3/19/2002	19093		173.0	4/17/2002
Long Description:										
FACILITY	CMP	**0000153589**	CLOSE	0500-28 BKR SUMM/WINT INSP 4	2	3/19/2002	19093		0.5	4/16/2002
Long Description:										
FACILITY	CM	**0000149937**	CLOSE	345KVBREAKER #4UNLOADER ON COMPREESOR IS STUCK	2	2/23/2002	08639		13.5	3/8/2002
Long Description:										
FACILITY	CM	**0000149747**	CLOSE	BKR-4 INVESTIGATE COMPRESSOR RUNNING	1	2/21/2002	77117		16.0	3/17/2002
Long Description:										
FACILITY	CMP	**0000139666**	CLOSE	0500-02 DEW POINT TESTING -BKR 4	3	12/3/2001	19093		4.0	1/30/2002
Long Description:										
FACILITY	CM	**0000137160**	CLOSE	BKR 4 - LEAK IN THE AIR CABINET	9	11/11/2001	15477		0.0	12/3/2001
Long Description:										
FACILITY	CMP	**0000129846**	CLOSE	0500-28 BKR SUMM/WINT INSP 4	1	9/27/2001	19093		1.8	11/19/2001
Long Description:										

Redacted

MAXIMO REPORT: EQUIPMENT HISTORY

Station: MILLWOOD WEST **Equipment: BKR-0000730** **MILL W-CIRCUIT BREAKER- 4**

RESP AREA	WORK TYPE	WORK NUMBER	STATUS	DESCRIPTION	PRTY	REPORT DATE	REPORTED BY	SUPV	HRS	ACTUAL FINISH
FACILITY Long Description:	CMP	**0000110476**	CLOSE	0500-28 BKR SUMM/WINT INSP 4	1	4/25/2001	19093		0.0	6/21/2001
FACILITY Long Description:	CMP	**0000086562**	CLOSE	0500-02 DEW POINT TESTING -BKR 4	9	12/1/2000	19093		1.0	1/15/2001
FACILITY Long Description:	CMP	**0000077027**	CLOSE	0500-28 BKR SUMM/WINT INSP 4	1	10/12/2000	19093		0.0	11/18/2000
FACILITY Long Description:	CMP	**0000071768**	CLOSE	0500-02 DEW POINT TESTING -BKR 4	9	9/5/2000	19093		2.0	9/26/2000
FACILITY Long Description:	CMP	**0000063963**	CLOSE	0500-02 DEW POINT TESTING -BKR 4	9	6/12/2000	19093		0.0	7/17/2000
FACILITY Long Description:	CM	**0000061597**	CLOSE	BREAKER NOT CLOSING - CHECK AND REPAIR	9	5/22/2000	19093	77117	0.0	5/21/2000
FACILITY Long Description:	CMP	**0000049713**	CLOSE	0500-02 CIRCUIT BREAKER - 4 - DEW POINT TEST	9	2/7/2000	19093		1.0	6/7/2000
FACILITY Long Description:	CMP	**0000038631**	CLOSE	0500-28-CIR BKRS WINTERIZATION - BKR #4	1	10/21/1999	19093	77117	0.0	11/30/1999
FACILITY Long Description:	CMP	**0000029545**	CLOSE	500-02 CIRCUIT BREAKER - 4 - DEW POINT TEST	9	8/9/1999	19093	56705	1.0	8/5/1999
FACILITY Long Description:	CMP	**0000020686**	CLOSE	500-28-CIR BKRS WINTERIZATION IN	1	5/26/1999	98219		0.0	5/26/1999

51 total work order(s) having 1875.25 hours.

Redacted

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MAXIMO REPORT: EQUIPMENT HISTORY

Station: EAST FISHKILL **Equipment: BKR-0000955** **EFSHKL-CIRCUIT BREAKER-3**

RESP AREA	WORK TYPE	WORK NUMBER	STATUS	DESCRIPTION	PRTY	REPORT DATE	REPORTED BY	SUPV	HRS	ACTUAL FINISH
FACILITY	CM	**0007970623**	CLOSE	INSTALL NEW LOCAL/REMOTE SWITCH - BREAKER 3	2	3/5/2008	00594		39.5	3/18/2008

Long Description: **From: Gerbacia, George**
Sent: Wednesday, February 06, 2008 7:54 AM
To: Rowan, Thomas; Laino, Robert
Cc: Servidio, Louis; Doherty, James; Sanchez, Steven; Gerbacia, George
Subject: FW: FISHKILL LOCAL/REMOTE SWITCH

As we can, please schedule 16 hour outages on the EF breakers, see attached list, to install new Local/Remote Switches. PST is required for this work. Attempt to schedule M-F outages. Thanks.

FACILITY	CMP-0	**0007861396**	COMP	0500-28 SUMMERIZATION INSP BKR 3	4	2/8/2008	89260	15477	1.5	5/18/2008
Long Description:										
FACILITY	CMP-0	**0007339610**	CLOSE	0500-28 BKR WINTERIZATION INSP 3	4	10/1/2007	MAXADMIN	15477	2.0	11/26/2007
Long Description:										
FACILITY	CAP	**0006948350**	CLOSE	TRANSPORTATION OF MATERIALS FOR BKR- 3 (OH)	5	5/25/2007	15477		16.0	5/25/2007
Long Description:										
FACILITY	CAP	**0006860128**	CLOSE	PREP AND SHIP PARTS TO AREVA	5	4/30/2007	00594		31.0	6/1/2007
Long Description:										
PROTSYS	SR	**0006708044**	CLOSE	EAST FISHKILL BREAKER 3 OVERHAUL - PST TESTING	5	3/15/2007	18830		24.0	4/9/2007
Long Description:										
FACILITY	RET	**0006700831**	CLOSE	BKR- 3 (OH) - REMOVE HEADS AND COLUMNS FROM BKR	2	3/13/2007	19093		428.0	3/27/2007
Long Description:										

Redacted

MAXIMO REPORT: EQUIPMENT HISTORY

Station: EAST FISHKILL **Equipment: BKR-0000955** **EFSHKL-CIRCUIT BREAKER-3**

RESP AREA	WORK TYPE	WORK NUMBER	STATUS	DESCRIPTION	PRTY	REPORT DATE	REPORTED BY	SUPV	HRS	ACTUAL FINISH
AUXSUP	CAP	**0006700807**	CLOSE	BKR- 3 (OH) - HIPOT BREAKER AFTER OVERHAUL	2	3/13/2007	19093	49436	34.0	4/11/2007

Long Description: **DC Proof Test Data**

Location Of Test: E. Fishkill Equip. Bkr 3 Date: 4/11/2007 Starting Time:

Voltage Applied: 475 kv dc Duration of Test: 5 min's Station Set/Truck # V1 Performed By:

Test OK: Test Failed: Surged: End Time:

TEST DATA : A phase

ELAPSED TIME	DC KILOVOLTS	MILLIAMPS	Remarks:
0 sec.	475	4	set leakage = .1 ma
15 sec.	475	3.8	all phases done individually
30 sec.	475	3.8	
45 sec.	475	3.8	
1 min.	475	3.8	
2 min.	475	3.8	
3 min.	475	3.8	
4 min.	475	3.8	
5 min.	475	3.8	

TEST DATA : B phase

ELAPSED TIME	DC KILOVOLTS	MILLIAMPS	Remarks:
0 sec.	475	1.8	set leakage = .1 ma
15 sec.	475	1.8	all phases done individually
30 sec.	475	1.8	
45 sec.	475	1.8	
1 min.	475	1.8	
2 min.	475	1.8	
3 min.	475	1.8	
4 min.	475	1.8	
5 min.	475	1.8	

TEST DATA : C phase

ELAPSED TIME	DC KILOVOLTS	MILLIAMPS	Remarks:
0 sec.	475	0.6	set leakage = .1 ma
15 sec.	475	0.6	all phases done individually
30 sec.	475	0.6	
45 sec.	475	0.6	
1 min.	475	0.6	
2 min.	475	0.6	

Redacted

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MAXIMO REPORT: EQUIPMENT HISTORY

Station: EAST FISHKILL **Equipment: BKR-0000955** **EFSHKL-CIRCUIT BREAKER-3**

RESP AREA	WORK TYPE	WORK NUMBER	STATUS	DESCRIPTION	PRTY	REPORT DATE	REPORTED BY	SUPV	HRS	ACTUAL FINISH
	3 min. 475 0.6 4 min. 475 0.6 5 min. 475 0.6									
FACILITY Long Description:	CAP	0006700772	CLOSE	BKR- 3 (OH) - OPERATOR COVERAGE DURING THE OVERHAUL	2	3/13/2007	19093		268.0	4/14/2007
FACILITY Long Description:	CMP	0006601887	CLOSE	0500-28 SUMMERIZATION INSP BKR 3	2	2/28/2007	MAXADMIN	15477	2.0	4/28/2007
FACILITY Long Description:	CM	0006164089	CLOSE	BKR 3 - HYDRAULIC OIL LEVEL LOW	2	10/19/2006	19093	03268	4.0	10/23/2006
FACILITY Long Description:	CMP	0006103241	CLOSE	0500-28 BKR WINTERIZATION INSP 3	2	9/30/2006	MAXADMIN	03268	0.0	10/23/2006
FACILITY Long Description:	CAP	0005959518	CLOSE	BKR- 3 (OH) - REBUILD HEADS & COLUMNS AND INSTALL ON BKR	2	8/22/2006	19093		990.0	4/14/2007
FACILITY Long Description:	CMP	0005313521	CLOSE	0500-28 BKR SUMMERIZATION INSP 3	2	2/28/2006	MAXADMIN	15477	1.5	5/24/2006
FACILITY Long Description:	CMP	0000341156	CLOSE	0500-28 BKR WINTERIZATION INSP 3	2	9/25/2005	PMWOGEN	82577	1.0	12/5/2005
FACILITY Long Description:	GC	0000333852	CLOSE	GAS CALL- BKR 3	2	8/24/2005	03268	03268	0.0	8/24/2005
FACILITY Long Description:	CM	0000332644	CLOSE	WORK PERMIT HOLDER FOR TRANSPORTATION	3	8/12/2005	14180	50013	8.0	1/5/2006
FACILITY Long Description:	GC	0000332493	CLOSE	GAS CALL- BKR 3	2	8/10/2005	70286	70286	8.0	8/10/2005
FACILITY Long Description:	GC	0000332443	CLOSE	GAS CALL- BKR 3	2	8/10/2005	70286	70286	0.0	11/4/2005
FACILITY Long Description:	GC	0000332155	CLOSE	GAS CALL- BKR 3	2	8/9/2005	70286	70286	3.0	8/9/2005

Redacted

MAXIMO REPORT: EQUIPMENT HISTORY

Station: EAST FISHKILL **Equipment: BKR-0000955** **EFSHKL-CIRCUIT BREAKER-3**

RESP AREA	WORK TYPE	WORK NUMBER	STATUS	DESCRIPTION	PRTY	REPORT DATE	REPORTED BY	SUPV	HRS	ACTUAL FINISH
FACILITY	CM	**0000332139**	CLOSE	Y	3	8/9/2005	14180	58712	139.5	12/8/2005
Long Description:										
FACILITY	GC	**0000331851**	CLOSE	GAS CALL- BKR 3	2	8/7/2005	70286	70286	8.0	8/7/2005
Long Description:										
FACILITY	CM	**0000325748**	CLOSE	REPLACE CLIXONS WITH THERMOSTATS	5	6/26/2005	15477	15477	8.0	6/26/2005
Long Description:										
FACILITY	CMP	**0000301014**	CLOSE	0500-28 BKR SUMMERIZATION INSP 3	4	2/25/2005	PMWOGEN	15477	1.5	5/14/2005
Long Description:										
FACILITY	CMP	**0000274375**	CLOSE	0500-28 BKR WINTERIZATION INSP 3	4	9/25/2004	PMWOGEN	15477	0.8	10/16/2004
Long Description:										
FACILITY	INFO	**0000268286**	CLOSE	NORTH SYN BUS OPEN AUTO AS A RESULT OF BKR 14 FAILURE	5	8/19/2004	72593		0.0	8/19/2004

Long Description: **EAST FISHKILL**

Equipment Name Voltage Outage
Type OOS Date Projected
Restoration Actual
Restoration Outage Work
Description Contact
EFSHKL-CIRCUIT BREAKER-3 345 kv OA 08/18/2004 23:22 08/19/2004 03:01 NORTH SYN BUS OPEN AUTO AS A RESULT OF BKR 14 FAILURE, BKR 14 CUT OUT ONE MINUTE BEFORE
Outage Step Step Start Step End Work Description Work Location Comments
No Steps Defined for Date Range Specified.
Status Date Note
No Notes Defined for Date Range Specified.

FACILITY	CMP	**0000245686**	CLOSE	0500-28 BKR SUMMERIZATION INSP 3	4	2/28/2004	PMWOGEN	15477	0.0	5/16/2004
Long Description:										
FACILITY	CMP	**0000225773**	CLOSE	0500-28 BKR SUMM/WINT INSP 3	2	9/29/2003	14180	15477	2.0	10/28/2003
Long Description:										
FACILITY	CMP	**0000203747**	CLOSE	0500-28 BKR SUMM/WINT INSP 3	2	4/1/2003	19093		0.5	4/30/2003
Long Description:										

Redacted

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MAXIMO REPORT: EQUIPMENT HISTORY

Station: EAST FISHKILL **Equipment: BKR-0000955** **EFSHKL-CIRCUIT BREAKER-3**

RESP AREA	WORK TYPE	WORK NUMBER	STATUS	DESCRIPTION	PRTY	REPORT DATE	REPORTED BY	SUPV	HRS	ACTUAL FINISH
FACILITY	CMP	**0000178186**	CLOSE	0500-28 BKR SUMM/WINT INSP 3	2	10/1/2002	19093		2.0	12/19/2002
Long Description:										
FACILITY	SR	**0000157198**	CLOSE	BKR- 3 TESTING	2	4/11/2002	19093		8.0	7/16/2003
Long Description:										
FACILITY	DT	**0000156686**	CLOSE	BKR- 3 (DT)	2	4/8/2002	19093		158.0	6/4/2002
Long Description:										
FACILITY	CMP	**0000153603**	CLOSE	0500-28 BKR SUMM/WINT INSP 3	2	3/19/2002	15477		0.8	4/20/2002
Long Description:										
FACILITY	CMP	**0000129861**	CLOSE	0500-28 BKR SUMM/WINT INSP 3	1	9/27/2001	19093		0.8	10/20/2001
Long Description:										
FACILITY	CMP	**0000110492**	CLOSE	0500-28 BKR SUMM/WINT INSP 3	1	4/25/2001	19093		0.0	6/22/2001
Long Description:										
FACILITY	GC	**0000089062**	CLOSE	GAS CALL- BKR 3	2	12/20/2000	19093		0.0	2/28/2003
Long Description:										
FACILITY	CMP	**0000086533**	CLOSE	0500-02 DEW POINT TESTING -BKR 3	9	12/1/2000	19093		0.0	2/27/2001
Long Description:										
FACILITY	CMP	**0000077006**	CLOSE	0500-28 BKR SUMM/WINT INSP 3	1	10/12/2000	19093		6.0	12/12/2000
Long Description:										
FACILITY	CMP	**0000063934**	CLOSE	0500-02 DEW POINT TESTING -BKR 3	9	6/12/2000	19093		0.0	7/17/2000
Long Description:										
FACILITY	CMP	**0000049684**	CLOSE	0500-02 CIRCUIT BREAKER - 3 - DEW POINT TEST	9	2/7/2000	19093		0.0	3/30/2000
Long Description:										
FACILITY	CMP	**0000038610**	CLOSE	0500-28-CIR BKRS WINTERIZATION - BKR #3	1	10/21/1999	19093	40297	0.0	11/30/1999
Long Description:										
FACILITY	CM	**0000033396**	CLOSE	BREAKER #3 - TROUBLESHOOT HYDROLIC PUMP	9	9/12/1999	19093	40297	48.0	12/31/1999
Long Description:	**BREAKER #3 - HYDROLIC PUMP NOT RUNNING. LOSS OF PRESSURE.REPLACED NEW PART FOR HYDROLIC PUMP 10/30/99.**									

Redacted

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MAXIMO REPORT: EQUIPMENT HISTORY

Station: EAST FISHKILL **Equipment: BKR-0000955** **EFSHKL-CIRCUIT BREAKER-3**

RESP AREA	WORK TYPE	WORK NUMBER	STATUS	DESCRIPTION	PRTY	REPORT DATE	REPORTED BY	SUPV	HRS	ACTUAL FINISH
FACILITY	GC	**0000022172**	CLOSE	EFSHKL-GAS CALL GCB 3	1	6/4/1999	19093	40297	0.0	12/24/2000
Long Description:										
FACILITY	CMP	**0000020672**	CLOSE	500-28-CIR BKRS WINTERIZATION IN	1	5/26/1999	98219		0.0	5/26/1999
Long Description:										

44 total work order(s) having 2245.25 hours.

Redacted

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MAXIMO REPORT: EQUIPMENT HISTORY

Station: EAST FISHKILL **Equipment: BKR-0000959** **EFSHKL-CIRCUIT BREAKER-5**

RESP AREA	WORK TYPE	WORK NUMBER	STATUS	DESCRIPTION	PRTY	REPORT DATE	REPORTED BY	SUPV	HRS	ACTUAL FINISH
FACILITY	CMP-0	**0007861323**	COMP	0500-28 SUMMERIZATION INSP BKR 5	4	2/8/2008	89260	15477	1.5	5/18/2008

Long Description:

Redacted

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MAXIMO REPORT: EQUIPMENT HISTORY

Station: EAST FISHKILL **Equipment: BKR-0000959** **EFSHKL-CIRCUIT BREAKER-5**

RESP AREA	WORK TYPE	WORK NUMBER	STATUS	DESCRIPTION	PRTY	REPORT DATE	REPORTED BY	SUPV	HRS	ACTUAL FINISH
AUXSUP	CAP	**0007575888**	CLOSE	FISHKILL BKR 5 HIPOT AFTER OVERHAUL	2	11/26/2007	49436	49436	42.0	11/30/2007

Long Description: **DC Proof Test Data**

Location Of Test: E. Fishkill Equip. Bkr 5 Date: 11/30/2007 Starting Time:

Voltage Applied: 475 kv dc Duration of Test: 5 min's Station Set/Truck # V1 Performed By:

Test OK: Test Failed: Surged: End Time:

TEST DATA : A phase

ELAPSED TIME	DC KILOVOLTS	MILLIAMPS	Remarks:
0 sec.	475	3.5	As per EI-1004-28
15 sec.	475	3.5	Set leakage= .2 ma
30 sec.	475	3.5	All phases separate
45 sec.	475	3.5	
1 min.	475	3.5	
2 min.	475	3.5	
3 min.	475	3.5	
4 min.	475	3.5	
5 min.	475	3.5	

TEST DATA : B phase

ELAPSED TIME	DC KILOVOLTS	MILLIAMPS	Remarks:
0 sec.	475	2.6	
15 sec.	475	2.6	
30 sec.	475	2.6	
45 sec.	475	2.6	
1 min.	475	2.6	
2 min.	475	2.6	
3 min.	475	2.6	
4 min.	475	2.6	
5 min.	475	2.6	

TEST DATA : C phase

ELAPSED TIME	DC KILOVOLTS	MILLIAMPS	Remarks:
0 sec.	475	1.1	
15 sec.	475	1.1	
30 sec.	475	1.1	
45 sec.	475	1.1	
1 min.	475	1.1	
2 min.	475	1.1	

Redacted

MAXIMO REPORT: EQUIPMENT HISTORY

Station: EAST FISHKILL **Equipment: BKR-0000959** **EFSHKL-CIRCUIT BREAKER-5**

RESP AREA	WORK TYPE	WORK NUMBER	STATUS	DESCRIPTION	PRTY	REPORT DATE	REPORTED BY	SUPV	HRS	ACTUAL FINISH
	3 min.	475 1.1								
	4 min.	475 1.1								
	5 min.	475 1.1								
FACILITY Long Description:	RET	0007561276	CLOSE	BKR- 5 (OH) - RETIREMENT	4	11/14/2007	00594		153.0	11/16/2007
FACILITY Long Description:	CAP	0007561242	CLOSE	BKR- 5 (OH) - OPERATOR COVERAGE	5	11/14/2007	00594		261.0	12/1/2007
FACILITY Long Description:	CMP-0	0007308950	CLOSE	0500-28 BKR WINTERIZATION INSP 5	4	9/30/2007	MAXADMIN	15477	2.0	11/30/2007
FACILITY Long Description:	CM	0006684654	CLOSE	BKR 5 - CHECK AND REPAIR HYDROLIC LEAK AND BLEED SYSTEM ON BKR	3	3/2/2007	19093		20.0	3/3/2007
FACILITY Long Description:	CM	0006684567	CLOSE	T/S BKR 5 HYDRAULIC PROBLEM	2	3/2/2007	15477		14.0	3/2/2007
FACILITY Long Description:	CMP	0006601554	CLOSE	0500-28 SUMMERIZATION INSP BKR 5	2	2/28/2007	MAXADMIN	15477	2.0	5/5/2007
FACILITY Long Description:	CM	0006164128	CLOSE	BKR 5 - HYDRAULIC TANK LEVEL LOW	2	10/19/2006	19093	03268	4.0	10/23/2006
FACILITY Long Description:	CMP	0006103311	CLOSE	0500-28 BKR WINTERIZATION INSP 5	2	9/30/2006	MAXADMIN	03268	0.0	10/23/2006
FACILITY Long Description:	OH	0005959541	CLOSE	BKR- 5 (OH)	4	8/22/2006	19093		1428.5	12/11/2007
FACILITY Long Description:	CMP	0005323134	CLOSE	0500-28 BKR SUMMERIZATION INSP 5	2	2/28/2006	MAXADMIN	15477	1.5	5/24/2006
FACILITY Long Description:	CMP	0000341158	CLOSE	0500-28 BKR WINTERIZATION INSP 5	2	9/25/2005	PMWOGEN	82577	1.0	12/5/2005
FACILITY Long Description:	CM	0000325749	CLOSE	REPLACE CLIXONS WITH THERMOSTATS	5	6/26/2005	15477	15477	8.0	2/16/2007

Redacted

Exhibit __ (SIIP-1)
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MAXIMO REPORT: EQUIPMENT HISTORY

Station: EAST FISHKILL **Equipment: BKR-0000959** **EFSHKL-CIRCUIT BREAKER-5**

RESP AREA	WORK TYPE	WORK NUMBER	STATUS	DESCRIPTION	PRTY	REPORT DATE	REPORTED BY	SUPV	HRS	ACTUAL FINISH
FACILITY Long Description:	CMP	**0000301016**	CLOSE	0500-28 BKR SUMMERIZATION INSP 5	4	2/25/2005	PMWOGEN	15477	1.5	5/14/2005
FACILITY Long Description:	GC	**0000285087**	CLOSE	GAS CALL- BKR 5	2	12/12/2004	70286	70286	4.0	12/12/2004
FACILITY Long Description:	CM	**0000284986**	CLOSE	C.B. 5 A PHASE VALVE TO ADD GAS DEFECTIVE/ NEEDS REPLACEMENT	2	12/12/2004	04898	70286	4.0	1/18/2005
FACILITY Long Description:	HSREP	**0000284579**	CLOSE	HOT SPOT REPAIRS - A PH CT CONNECTION, BREAKER SIDE	4	12/5/2004	82650	98397	32.0	1/19/2005
FACILITY Long Description:	CMP	**0000274377**	CLOSE	0500-28 BKR WINTERIZATION INSP 5	4	9/25/2004	PMWOGEN	15477	0.8	10/16/2004
FACILITY Long Description:	CMP	**0000245688**	CLOSE	0500-28 BKR SUMMERIZATION INSP 5	4	2/28/2004	PMWOGEN	15477	0.0	5/16/2004
PROTSYS Long Description:	SR	**0000236774**	CLOSE	79/5 RECLOSURE RELAY CYCLES, BKR. CLOSED AND IN SEVICE.	9	12/16/2003	03124		60.0	4/14/2005
FACILITY Long Description:	CMP	**0000225775**	CLOSE	0500-28 BKR SUMM/WINT INSP 5	2	9/29/2003	14180	15477	2.0	10/28/2003
FACILITY Long Description:	CMP	**0000203749**	CLOSE	0500-28 BKR SUMM/WINT INSP 5	2	4/1/2003	19093		0.5	4/30/2003
FACILITY Long Description:	CMP	**0000178201**	CLOSE	0500-28 BKR SUMM/WINT INSP 5	2	10/1/2002	19093		0.0	12/19/2002
FACILITY Long Description:	SR	**0000156452**	CLOSE	PST TO DOBLE BREAKER 5	2	4/4/2002	19093		8.0	7/23/2002
FACILITY Long Description:	DT	**0000155647**	CLOSE	BKR- 5 (DT)	2	4/1/2002	19093		162.5	6/4/2002
FACILITY Long Description:	CMP	**0000153633**	CLOSE	0500-28 BKR SUMM/WINT INSP 5	2	3/19/2002	15477		0.8	4/20/2002

Redacted

Exhibit __ (SIIP-1)
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MAXIMO REPORT: EQUIPMENT HISTORY

Station: EAST FISHKILL **Equipment: BKR-0000959** **EFSHKL-CIRCUIT BREAKER-5**

RESP AREA	WORK TYPE	WORK NUMBER	STATUS	DESCRIPTION	PRTY	REPORT DATE	REPORTED BY	SUPV	HRS	ACTUAL FINISH
FACILITY Long Description:	CMP	**0000129890**	CLOSE	0500-28 BKR SUMM/WINT INSP 5	1	9/27/2001	19093		0.5	10/20/2001
FACILITY Long Description:	CMP	**0000110526**	CLOSE	0500-28 BKR SUMM/WINT INSP 5	1	4/25/2001	19093		0.0	6/22/2001
FACILITY Long Description:	GC	**0000089061**	CLOSE	GAS CALL- BKR 5	2	12/20/2000	19093		16.0	2/28/2003
FACILITY Long Description:	CMP	**0000086530**	CLOSE	0500-02 DEW POINT TESTING -BKR 5	9	12/1/2000	19093		0.0	2/27/2001
FACILITY Long Description:	CMP	**0000077004**	CLOSE	0500-28 BKR SUMM/WINT INSP 5	1	10/12/2000	19093		6.0	12/12/2000
FACILITY Long Description:	CMP	**0000063932**	CLOSE	0500-02 DEW POINT TESTING -BKR 5	9	6/12/2000	19093		0.0	7/17/2000
FACILITY Long Description:	CMP	**0000049682**	CLOSE	0500-02 CIRCUIT BREAKER - 5 - DEW POINT TEST	9	2/7/2000	19093		0.0	3/30/2000
FACILITY Long Description:	CM	**0000047696**	CLOSE	BKR #5 - UNFREEZE SF6 FILL VALVE	9	1/21/2000	19093	40297	18.0	1/18/2000
FACILITY Long Description:	GC	**0000043838**	CLOSE	EFSHKL-GAS CALL GCB 5	1	12/7/1999	03124	40297	0.0	12/28/1999
FACILITY Long Description:	CM	**0000041514**	CLOSE	BKR #5 - REPLACE AGASTAT TIMER FOR HYDR. PUMP	9	11/17/1999	19093	40297	8.0	11/17/1999
FACILITY Long Description:	CMP	**0000038656**	CLOSE	0500-28-CIR BKRS WINTERIZATION - BKR #5	1	10/21/1999	19093	40297	0.0	11/30/1999
FACILITY Long Description:	GC	**0000022173**	CLOSE	EFSHKL-GAS CALL GCB 5	1	6/4/1999	19093	40297	7.0	12/24/2000

39 total work order(s) having 2270 hours.

Redacted

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MAXIMO REPORT: EQUIPMENT HISTORY

Station: EAST 179TH STREET 138KV Equipment: BKR-0001226 **179 138-CIRCUIT BREAKER-BTE **RETIRED****

RESP AREA	WORK TYPE	WORK NUMBER	STATUS	DESCRIPTION	PRTY	REPORT DATE	REPORTED BY	SUPV	HRS	ACTUAL FINISH
AUXSUP	HPOT	**0007667240**	CLOSE	E179 - HIPOT BREAKERS BTE & BTW	2	12/28/2007	86336	14171	36.0	1/2/2008

Long Description:

From: Lentini, Michael J
Sent: Friday, December 21, 2007 9:14 AM
To: Faster, Victor; Daly, Joseph; Panico, Paul; Tarantino, Vincent
Subject: FW: 179st BTE & BTW gas samples

Michael Lentini
Field Operations Planner
SSO North ECB
Office#-914-941-4186
Cell#-917-440-2366

From: Haufler, James
Sent: Friday, December 21, 2007 9:13 AM
To: Conforto, Steven A; Lentini, Michael J; Rush, William J
Subject: RE: 179st BTE & BTW gas samples

The gas readings are acceptable.
The tank pressure is a little high for ambient temperature although maybe these gauges are different than the ones I am used to and are already temp compensated. Is that true?

James Haufler
Office Phone (718) 665-3747
Cell Phone (917) 939-1632
Pager (917) 729-1307

From: Conforto, Steven A
Sent: Friday, December 21, 2007 8:44 AM
To: Haufler, James; Lentini, Michael J; Rush, William J
Cc: Conforto, Steven A
Subject: 179st BTE & BTW gas samples

Here are the results from the 24 hour gas samples on breakers BTE and BTW at 179st S/S

	BTW	BTE
DEW POINT	-45 F	-42 F

Redacted

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MAXIMO REPORT: EQUIPMENT HISTORY

Station: EAST 179TH STREET 138KV Equipment: BKR-0001226 179 138-CIRCUIT BREAKER-BTE **RETIRED**

RESP AREA	WORK TYPE	WORK NUMBER	STATUS	DESCRIPTION	PRTY	REPORT DATE	REPORTED BY	SUPV	HRS	ACTUAL FINISH
	Oxygen		0%	0%						
	Pressure		70psig	70psig						
	PPMv		15	14						
	Tank Pressure		89	89						

HIPOT READINGS were .6 ma for entire test on both breakers with all phases tied and breakers tested seperatly.

ENV Long Description:	DLNH	**0007652470**	CLOSE	BREAKER BTE HYDRAULIC WASTE OIL NON-HAZ GENERATOR KNOWLEDGE 55 GALLON	5	12/14/2007	07157		0.0	2/4/2008
ENV Long Description:	DLNH	**0007650034**	CLOSE	BREAKER BTE HYDRAULIC OIL DEBRIS NON-HAZ GENERATOR KNOWLEDGE 55 GALLON	5	12/11/2007	07157		0.0	2/4/2008
ENV Long Description:	DLOIL	**0007650024**	CLOSE	BREAKER BTE HYDRAULIC WASTE OIL NON-HAZ GENERATOR KNOWLEDGE 55 GALLON	5	12/11/2007	07157		0.0	2/4/2008
PROTSYS Long Description:	CAP	**0007648476**	CLOSE	REPLACE BREAKERS BTE & BTW	2	12/10/2007	42835		831.0	1/15/2008
FACILITY Long Description:	CMP-0	**0007306672**	CLOSE	0500-28 BKR WINTERIZATION INSP BTE	4	9/30/2007	MAXADMIN	63147	2.0	12/13/2007
FACILITY Long Description:	CMP	**0006589895**	CLOSE	0500-28 SUMMERIZATION INSP BKR BTE	2	2/28/2007	MAXADMIN	59253	6.0	5/9/2007
FACILITY Long Description:	RET	**0006380918**	CLOSE	E179 BKR BTE (GCB}	2	12/20/2006	19093		715.0	1/11/2008
FACILITY Long Description:	CMP	**0006106738**	CLOSE	0500-28 BKR WINTERIZATION INSP BTE	2	9/30/2006	MAXADMIN	00608	3.0	11/21/2006
FACILITY Long Description:	CMP	**0005311523**	CLOSE	0500-28 BKR SUMMERIZATION INSP BTE	2	2/28/2006	MAXADMIN	34342	4.0	4/26/2006
FACILITY Long Description:	CMP	**0000341173**	CLOSE	0500-28 BKR WINTERIZATION INSP BTE	2	9/25/2005	PMWOGEN	00780	0.0	12/29/2005
FACILITY Long Description:	CMP	**0000301029**	CLOSE	0500-28 BKR SUMMERIZATION INSP BTE	4	2/25/2005	PMWOGEN	63147	4.0	4/14/2005

MAXIMO REPORT: EQUIPMENT HISTORY

Station: EAST 179TH STREET 138KV Equipment: BKR-0001226 179 138-CIRCUIT BREAKER-BTE **RETIRED**

RESP AREA	WORK TYPE	WORK NUMBER	STATUS	DESCRIPTION	PRTY	REPORT DATE	REPORTED BY	SUPV	HRS	ACTUAL FINISH
FACILITY Long Description:	CMP	**0000274392**	CLOSE	0500-28 BKR WINTERIZATION INSP BTE	4	9/25/2004	PMWOGEN	04685	8.0	12/10/2004
FACILITY Long Description:	CMP	**0000245701**	CLOSE	0500-28 BKR SUMMERIZATION INSP BTE	4	2/28/2004	PMWOGEN	59253	2.0	4/13/2004
FACILITY Long Description:	CMP	**0000228044**	CLOSE	0500-28 BKR SUMM/WINT INSP BTE	2	10/15/2003	19093	59253	2.0	10/28/2003
FACILITY Long Description:	CMP	**0000207428**	CLOSE	0500-28 BKR SUMM/WINT INSP BTE	2	5/2/2003	19093	86451	1.0	10/20/2003
FACILITY Long Description:	CMP	**0000180889**	CLOSE	0500-28 BKR SUMM/WINT INSP BTE	2	10/21/2002	54992		1.0	11/5/2002
FACILITY Long Description:	CMP	**0000152106**	CLOSE	0500-28 BKR SUMM/WINT INSP BTE	2	3/3/2002	54992		0.5	6/6/2002
FACILITY Long Description:	CMP	**0000131431**	CLOSE	0500-28 BKR SUMM/WINT INSP BTE	1	10/2/2001	54992		1.0	11/13/2001
FACILITY Long Description:	CMP	**0000099928**	CLOSE	0500-28 BKR SUMM/WINT INSP BTE	1	2/28/2001	54992		4.0	3/28/2001
FACILITY Long Description:	DT	**0000094998**	CLOSE	E179 BKR BTE (GCB}	1	1/16/2001	39418		160.0	2/8/2001
FACILITY Long Description:	GC	**0000089168**	CLOSE	GAS CALL-CIRCUIT BKR BTE	2	12/20/2000	19093		6.0	2/10/2003
FACILITY Long Description:	CMP	**0000055448**	CLOSE	0500-28 BKR SUMM/WINT INSP BTE	1	3/31/2000	89260		4.0	11/7/2000
FACILITY Long Description:	CMP	**0000038757**	CLOSE	0500-28-BKR SUMM/WINT INSPECTION-BTE	1	10/22/1999	89260	89260	6.0	10/28/1999
FACILITY Long Description:	GC	**0000036798**	CLOSE	GAS CALL-CIRCUIT BKR BTE	1	10/12/1999	89260	89260	0.0	12/24/2000
FACILITY Long Description:	CMP	**0000017471**	CLOSE	0500-28 CIR BKRS WINTERIZATION BKR BTE	1	5/2/1999	89260	89260	0.0	11/3/1998

Redacted

MAXIMO REPORT: EQUIPMENT HISTORY

Station: EAST 179TH STREET 138KV Equipment: BKR-0001226 179 138-CIRCUIT BREAKER-BTE **RETIRED**

RESP AREA	WORK TYPE	WORK NUMBER	STATUS	DESCRIPTION	PRTY	REPORT DATE	REPORTED BY	SUPV	HRS	ACTUAL FINISH

26 total work order(s) having 1796.5 hours.

Redacted

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MAXIMO REPORT: EQUIPMENT HISTORY

Station: EAST 179TH STREET 138KV Equipment: BKR-0001230 179 138-CIRCUIT BREAKER-BTW **RETIRED**

RESP AREA	WORK TYPE	WORK NUMBER	STATUS	DESCRIPTION	PRTY	REPORT DATE	REPORTED BY	SUPV	HRS	ACTUAL FINISH
ENV	DLNH	**0007652476**	CLOSE	BREAKER BTW HYDRAULIC WASTE OIL NON-HAZ GENERATOR KNOWLEDGE 55 GALLON	5	12/14/2007	07157		0.0	2/4/2008
Long Description:										
ENV	DLNH	**0007650033**	CLOSE	BREAKER BTW HYDRAULIC OIL DEBRIS NON-HAZ GENERATOR KNOWLEDGE 55 GALLON	5	12/11/2007	07157		0.0	2/4/2008
Long Description:										
ENV	DLOIL	**0007650027**	CLOSE	BREAKER BTW HYDRAULIC WASTE OIL NON-HAZ GENERATOR KNOWLEDGE 55 GALLON	5	12/11/2007	07157		0.0	2/4/2008
Long Description:										
FACILITY	CMP-0	**0007306707**	CLOSE	0500-28 BKR WINTERIZATION INSP BTW	4	9/30/2007	MAXADMIN	63147	2.0	12/13/2007
Long Description:										
FACILITY	CMP	**0006589930**	CLOSE	0500-28 SUMMERIZATION INSP BKR BTW	2	2/28/2007	MAXADMIN	59253	6.0	5/9/2007
Long Description:										
FACILITY	RET	**0006380985**	CLOSE	E179 BKR BTW (GCB)	2	12/20/2006	19093		473.0	1/4/2008
Long Description:										
FACILITY	CMP	**0006106777**	CLOSE	0500-28 BKR WINTERIZATION INSP BTW	2	9/30/2006	MAXADMIN	00608	3.0	11/21/2006
Long Description:										
FACILITY	CMP	**0005311557**	CLOSE	0500-28 BKR SUMMERIZATION INSP BTW	2	2/28/2006	MAXADMIN	34342	4.0	4/26/2006
Long Description:										
FACILITY	CMP	**0000341174**	CLOSE	0500-28 BKR WINTERIZATION INSP BTW	2	9/25/2005	PMWOGEN	07157	6.0	10/10/2005
Long Description:										
FACILITY	CMP	**0000301030**	CLOSE	0500-28 BKR SUMMERIZATION INSP BTW	4	2/25/2005	PMWOGEN	63147	4.0	4/14/2005
Long Description:										
FACILITY	CMP	**0000274393**	CLOSE	0500-28 BKR WINTERIZATION INSP BTW	4	9/25/2004	PMWOGEN	04685	12.0	12/6/2004
Long Description:										
FACILITY	CMP	**0000245702**	CLOSE	0500-28 BKR SUMMERIZATION INSP BTW	4	2/28/2004	PMWOGEN	59253	2.0	4/13/2004
Long Description:										
FACILITY	CMP	**0000228045**	CLOSE	0500-28 BKR SUMM/WINT INSP BTW	2	10/15/2003	19093	59253	2.0	10/28/2003
Long Description:										

Redacted

MAXIMO REPORT: EQUIPMENT HISTORY

Station: EAST 179TH STREET 138KV Equipment: BKR-0001230 179 138-CIRCUIT BREAKER-BTW **RETIRED**

RESP AREA	WORK TYPE	WORK NUMBER	STATUS	DESCRIPTION	PRTY	REPORT DATE	REPORTED BY	SUPV	HRS	ACTUAL FINISH
FACILITY Long Description:	CMP	**0000207429**	CLOSE	0500-28 BKR SUMM/WINT INSP BTW	2	5/2/2003	19093	59253	1.0	10/20/2003
FACILITY Long Description:	CMP	**0000180890**	CLOSE	0500-28 BKR SUMM/WINT INSP BTW	2	10/21/2002	54992		1.0	10/31/2002
FACILITY Long Description:	CMP	**0000152105**	CLOSE	0500-28 BKR SUMM/WINT INSP BTW	2	3/3/2002	54992		0.5	6/14/2002
FACILITY Long Description:	CMP	**0000131430**	CLOSE	0500-28 BKR SUMM/WINT INSP BTW	1	10/2/2001	54992		2.5	11/28/2001
FACILITY Long Description:	CMP	**0000099927**	CLOSE	0500-28 BKR SUMM/WINT INSP BTW	1	2/28/2001	54992		4.0	3/28/2001
FACILITY Long Description:	DT	**0000095003**	CLOSE	E179 BKR BTW (GCB}	1	1/16/2001	39418		56.0	4/2/2001
FACILITY Long Description:	GC	**0000089167**	CLOSE	GAS CALL-CIRCUIT BKR BTW	2	12/20/2000	19093		6.0	2/10/2003
FACILITY Long Description:	CM	**0000059990**	CLOSE	CHECK HYDRAULIC SYSTEM AND REPLACE HYDRO OIL	4	5/3/2000	ALVAREZN	77117	0.0	6/23/2000
FACILITY Long Description:	CMP	**0000055446**	CLOSE	0500-28 BKR SUMM/WINT INSP BTW	1	3/31/2000	89260		4.0	11/7/2000
FACILITY Long Description:	CMP	**0000038758**	CLOSE	0500-28-BKR SUMM/WINT INSPECTION-BTW	1	10/22/1999	89260	89260	6.0	10/28/1999
FACILITY Long Description:	GC	**0000036797**	CLOSE	GAS CALL-CIRCUIT BKR BTW	1	10/12/1999	89260	89260	0.0	12/24/2000
FACILITY Long Description:	CMP	**0000017472**	CLOSE	0500-28 CIR BKRS WINTERIZATION BKR BTW	1	5/2/1999	89260	89260	0.0	11/3/1998

25 total work order(s) having 595 hours.

Redacted

Exhibit __ (SIIP-1)
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MAXIMO REPORT: EQUIPMENT HISTORY

Station: SPRAINBROOK **Equipment: BKR-0001790** **SB-CIRCUIT BREAKER-N7 **RETIRED****

RESP AREA	WORK TYPE	WORK NUMBER	STATUS	DESCRIPTION	PRTY	REPORT DATE	REPORTED BY	SUPV	HRS	ACTUAL FINISH
FACILITY	RET	**0007579433**	CLOSE	BKR- N7 REMOVE BREAKER FROM PAD	5	11/29/2007	15477	80629	28.0	11/29/2007
Long Description:										
FACILITY	CM	**0006811024**	CLOSE	REPAIR N7 GAS LEAK	3	4/12/2007	15477		461.5	4/21/2007
Long Description:	**ASM also charged labor on this work order for support on sf6 gas cart**									
FACILITY	GC	**0006808749**	CLOSE	GAS CALL- BKR N7	2	4/10/2007	70286	70286	4.0	4/10/2007
Long Description:										
FACILITY	GC	**0006716406**	CLOSE	GAS CALL- BKR N7	2	3/20/2007	70286	70286	4.0	3/20/2007
Long Description:										
FACILITY	GC	**0006711807**	CLOSE	GAS CALL- BKR N7	2	3/17/2007	86349	86349	0.0	3/19/2007
Long Description:										
FACILITY	GC	**0006689693**	CLOSE	GAS CALL- BKR N7	2	3/5/2007	70286	70286	4.0	3/5/2007
Long Description:										
FACILITY	CMP	**0006604021**	CLOSE	0500-28 BKR SUMMERIZATION INSP N7	2	2/28/2007	MAXADMIN	15477	2.0	5/17/2007
Long Description:										
FACILITY	GC	**0006586019**	CLOSE	GAS CALL- BKR N7	2	2/27/2007	00323	00323	0.0	2/27/2007
Long Description:										
FACILITY	GC	**0006579161**	CLOSE	GAS CALL- BKR N7	2	2/22/2007	00609	00318	16.0	2/23/2007
Long Description:										
FACILITY	ALARM	**0006578690**	CLOSE	T/S & REPAIR BREAKER N7 ALARM	3	2/22/2007	15477	75400	28.0	2/22/2007
Long Description:										
FACILITY	GC	**0006571149**	CLOSE	GAS CALL- BKR N7	2	2/20/2007	00323	00323	3.0	2/20/2007
Long Description:										
FACILITY	GC	**0006554144**	CLOSE	GAS CALL- BKR N7	2	2/8/2007	70286	70286	4.0	2/8/2007
Long Description:										
FACILITY	GC	**0006516035**	CLOSE	GAS CALL- BKR N7	2	1/31/2007	70286	70286	0.0	1/31/2007
Long Description:										
FACILITY	GC	**0006488629**	CLOSE	GAS CALL- BKR N7	2	1/25/2007	00323	00323	3.0	1/25/2007
Long Description:										

Redacted

MAXIMO REPORT: EQUIPMENT HISTORY

Station: SPRAINBROOK **Equipment: BKR-0001790** **SB-CIRCUIT BREAKER-N7 **RETIRED****

RESP AREA	WORK TYPE	WORK NUMBER	STATUS	DESCRIPTION	PRTY	REPORT DATE	REPORTED BY	SUPV	HRS	ACTUAL FINISH
FACILITY Long Description:	CMP	**0006106185**	CLOSE	0500-28 BKR WINTERIZATION INSP N7	2	9/30/2006	MAXADMIN	16108	3.0	12/6/2006
FACILITY Long Description:	CMP	**0005991801**	CLOSE	0500-02 DEW POINT TESTING -BKR N7	2	8/31/2006	MAXADMIN	56751	2.0	1/9/2007
FACILITY Long Description:	CMP	**0005325539**	CLOSE	0500-28 BKR SUMMERIZATION INSP N7	2	2/28/2006	MAXADMIN	15477	2.0	5/16/2006
FACILITY Long Description:	CM	**0005162193**	CLOSE	REPLACE PRESSURE SWITCHES N7	3	1/9/2006	15477	86349	36.0	1/9/2006
FACILITY Long Description:	CM	**0005158100**	CLOSE	INVESTIGATE CAUSE OF BREAKER N7 TRIPOUT	1	1/5/2006	15477	75400	31.0	1/6/2006
FACILITY Long Description:	GC	**0000342161**	CLOSE	GAS CALL- BKR N7	2	9/28/2005	15187	15187	4.0	9/28/2005
FACILITY Long Description:	CMP	**0000340850**	CLOSE	0500-28 BKR WINTERIZATION INSP N7	2	9/25/2005	PMWOGEN	82577	4.0	12/23/2005
FACILITY Long Description:	CMP	**0000333977**	CLOSE	0500-02 DEW POINT TESTING -BKR N7	2	8/25/2005	PMWOGEN	49112	1.5	8/31/2005
FACILITY Long Description:	GC	**0000324087**	CLOSE	GAS CALL- BKR N7	2	6/22/2005	87625	87625	0.0	6/22/2005
FACILITY Long Description:	GC	**0000319034**	CLOSE	GAS CALL- BKR N7	2	5/23/2005	15477	15477	3.5	5/23/2005
FACILITY Long Description:	GC	**0000305305**	CLOSE	GAS CALL- BKR N7	2	3/14/2005	82544	82544	2.8	3/14/2005
FACILITY Long Description:	CAP	**0000303044**	CLOSE	ECB - SB - BREAKER N7 REMOVAL - MOBILIZATION & DEMOBILIZATION	5	3/2/2005	87898	37775	613.0	2/5/2007
CONST Long Description:	RET	**0000302824**	CLOSE	BKR- N7 REMOVE BREAKER FROM PAD	5	3/1/2005	19093	80629	212.0	4/23/2007
FACILITY Long Description:	CMP	**0000300635**	CLOSE	0500-28 BKR SUMMERIZATION INSP N7	4	2/25/2005	PMWOGEN	15477	1.5	5/18/2005

Redacted

MAXIMO REPORT: EQUIPMENT HISTORY

Station: SPRAINBROOK **Equipment: BKR-0001790** **SB-CIRCUIT BREAKER-N7 **RETIRED****

RESP AREA	WORK TYPE	WORK NUMBER	STATUS	DESCRIPTION	PRTY	REPORT DATE	REPORTED BY	SUPV	HRS	ACTUAL FINISH
FACILITY Long Description:	CMP	**0000274030**	CLOSE	0500-28 BKR WINTERIZATION INSP N7	4	9/25/2004	PMWOGEN	15477	1.5	11/14/2004
FACILITY Long Description:	CMP	**0000268742**	CLOSE	0500-02 DEW POINT TESTING -BKR N7	4	8/25/2004	PMWOGEN	99294	0.0	9/7/2004
FACILITY Long Description:	CMP	**0000245320**	CLOSE	0500-28 BKR SUMMERIZATION INSP N7	4	2/28/2004	PMWOGEN	15477	0.5	5/12/2004
FACILITY Long Description:	CMP	**0000233931**	CLOSE	0500-02 DEW POINT TESTING -BKR N7	2	11/25/2003	PMWOGEN	99294	0.0	12/11/2003
FACILITY Long Description:	GC	**0000227952**	CLOSE	GAS CALL- BKR N7	2	10/14/2003	15477	15477	0.0	10/14/2003
FACILITY Long Description:	CMP	**0000225540**	CLOSE	0500-28 BKR SUMM/WINT INSP N7	2	9/29/2003	14180	15477	2.0	10/26/2003
FACILITY Long Description:	GC	**0000224656**	CLOSE	GAS CALL- BKR N7	2	9/28/2003	16108	16108	0.0	9/28/2003
FACILITY Long Description:	CMP	**0000224483**	CLOSE	0500-02 DEW POINT TESTING -BKR N7	2	9/25/2003	19093	99294	1.0	10/8/2003
FACILITY Long Description:	GC	**0000221960**	CLOSE	GAS CALL- BKR N7	2	9/3/2003	56751	56751	0.0	9/3/2003
FACILITY Long Description:	GC	**0000217222**	CLOSE	GAS CALL- BKR N7	2	7/24/2003	19093	19093	0.0	7/24/2003
FACILITY Long Description:	CMP	**0000203522**	CLOSE	0500-28 BKR SUMM/WINT INSP N7	2	4/1/2003	19093		2.0	5/2/2003
FACILITY Long Description:	GC	**0000197819**	CLOSE	GAS CALL- BKR N7	2	2/25/2003	15477		0.0	2/28/2003
FACILITY Long Description:	GC	**0000196741**	CLOSE	GAS CALL- BKR N7	2	2/8/2003	15477		0.0	2/10/2003
FACILITY Long Description:	CMP	**0000187889**	CLOSE	0500-02 DEW POINT TESTING -BKR N7	2	12/2/2002	19093		4.0	1/23/2003

Redacted

MAXIMO REPORT: EQUIPMENT HISTORY

Station: SPRAINBROOK **Equipment: BKR-0001790** **SB-CIRCUIT BREAKER-N7 **RETIRED****

RESP AREA	WORK TYPE	WORK NUMBER	STATUS	DESCRIPTION	PRTY	REPORT DATE	REPORTED BY	SUPV	HRS	ACTUAL FINISH
FACILITY	GC	**0000186114**	CLOSE	GAS CALL- BKR N7	2	11/18/2002	19093		0.0	1/6/2003
Long Description:	**as found lowside 16psi highside 230psi storage 27psi total 25lbs**			**as left low side 12psi highside 255psi storage 27psi**						
FACILITY	GC	**0000185502**	CLOSE	GAS CALL- BKR N7	2	11/8/2002	19093		0.0	1/6/2003
Long Description:	**as found lowside 16psi highside 230psi storage 27psi total 25lbs**			**as left low side 12psi highside 255psi storage 27psi**						
FACILITY	GC	**0000185501**	CLOSE	GAS CALL- BKR N7	2	11/8/2002	19093		0.0	1/6/2003
Long Description:	**as found lowside 16psi highside 230psi storage 27psi total 25lbs**			**as left low side 12psi highside 255psi storage 27psi**						
FACILITY	CMP	**0000178395**	CLOSE	0500-28 BKR SUMM/WINT INSP N7	2	10/1/2002	19093		0.0	12/29/2002
Long Description:										
FACILITY	GC	**0000175246**	CLOSE	GAS CALL- BKR N7	2	9/9/2002	19093		0.0	9/27/2002
Long Description:	**as found lowside 16psi highside 230psi storage 27psi total 25lbs**			**as left low side 12psi highside 255psi storage 27psi**						
FACILITY	GC	**0000170847**	CLOSE	GAS CALL- BKR N7	2	8/4/2002	19093		2.0	9/27/2002
Long Description:	**as found lowside 16psi highside 230psi storage 27psi total 25lbs**			**as left low side 12psi highside 255psi storage 27psi**						

Redacted

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MAXIMO REPORT: EQUIPMENT HISTORY

Station: SPRAINBROOK **Equipment: BKR-0001790** **SB-CIRCUIT BREAKER-N7 **RETIRED****

RESP AREA	WORK TYPE	WORK NUMBER	STATUS	DESCRIPTION	PRTY	REPORT DATE	REPORTED BY	SUPV	HRS	ACTUAL FINISH
FACILITY	GC	**0000169063**	CLOSE	GAS CALL- BKR N7	2	7/20/2002	19093		0.0	9/27/2002
Long Description:	**as found lowside 16psi highside 230psi storage 27psi total 25lbs**			**as left low side 12psi highside 255psi storage 27psi**						
FACILITY	GC	**0000158856**	CLOSE	GAS CALL- BKR N7	2	4/25/2002	19093		0.0	5/8/2002
Long Description:	**as found lowside 15psi highside 240psi storage 27psi total 15lbs Temp on all three phases was 80 degress F.**			**as left low side 15psi highside 255psi storage 27psi**						
FACILITY	GC	**0000158854**	CLOSE	GAS CALL- BKR N7	2	4/25/2002	19093		0.0	5/8/2002
Long Description:	**as found lowside 16psi highside 230psi storage 27psi total 25lbs**			**as left low side 12psi highside 255psi storage 27psi**						
FACILITY	CMP	**0000153652**	CLOSE	0500-28 BKR SUMM/WINT INSP N7	2	3/19/2002	15477		1.5	4/16/2002
Long Description:										
FACILITY	GC	**0000152712**	CLOSE	GAS CALL- BKR N7	2	3/10/2002	15477		0.0	3/28/2002
Long Description:	**as found lowside 16psi highside 230psi storage 27psi total 25lbs**			**as left low side 12psi highside 255psi storage 27psi**						
FACILITY	GC	**0000149942**	CLOSE	GAS CALL- BKR N7	2	2/23/2002	19093		0.0	2/27/2002
Long Description:	**as found lowside 16psi highside 230psi storage 27psi total 25lbs**			**as left low side 12psi highside 255psi storage 27psi**						

Redacted

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MAXIMO REPORT: EQUIPMENT HISTORY

Station: SPRAINBROOK **Equipment: BKR-0001790** **SB-CIRCUIT BREAKER-N7 **RETIRED****

RESP AREA	WORK TYPE	WORK NUMBER	STATUS	DESCRIPTION	PRTY	REPORT DATE	REPORTED BY	SUPV	HRS	ACTUAL FINISH
FACILITY	GC	**0000149362**	CLOSE	GAS CALL- BKR N7	2	2/18/2002	19093	98397	0.0	2/27/2002
Long Description:	**as found lowside 16psi highside 230psi storage 27psi**			**as left low side 12psi highside 255psi storage 27psi**						
			total 25lbs							
FACILITY	CM	**0000149266**	CLOSE	BKR-N7 -REPLACE BURNT OUT GAS COMPRESSOR	1	2/15/2002	80509	98397	78.5	2/17/2002
Long Description:	**circuit breaker N7 replace burnt out gas comprssor.**									
FACILITY	CMP	**0000139639**	CLOSE	0500-02 DEW POINT TESTING -BKR N7	9	12/3/2001	19093		2.0	1/24/2002
Long Description:										
FACILITY	GC	**0000136672**	CLOSE	GAS CALL- BKR N7	4	11/6/2001	75444		0.0	11/27/2001
Long Description:	**as found lowside 16psi highside 230psi storage 27psi**			**as left low side 12psi highside 255psi storage 27psi**						
			total 25lbs							
FACILITY	CMP	**0000129909**	CLOSE	0500-28 BKR SUMM/WINT INSP N7	1	9/27/2001	19093		1.3	11/19/2001
Long Description:										
FACILITY	GC	**0000128547**	CLOSE	GAS CALL- BKR N7	1	9/15/2001	70286	98397	0.0	10/30/2001
Long Description:										
FACILITY	GC	**0000117611**	CLOSE	GAS CALL- BKR N7	1	6/24/2001	70266		0.0	7/9/2001
Long Description:										
FACILITY	CMP	**0000110546**	CLOSE	0500-28 BKR SUMM/WINT INSP N7	1	4/25/2001	19093		1.5	6/20/2001
Long Description:										
FACILITY	DT	**0000104445**	CLOSE	BKR-0001790 GCB N7	1	3/15/2001	80509		124.0	2/15/2002
Long Description:										
FACILITY	GC	**0000090796**	CLOSE	GAS CALL- BKR N7	1	12/21/2000	75444		0.0	12/24/2000
Long Description:										

Redacted

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MAXIMO REPORT: EQUIPMENT HISTORY

Station: SPRAINBROOK **Equipment: BKR-0001790** **SB-CIRCUIT BREAKER-N7 **RETIRED****

RESP AREA	WORK TYPE	WORK NUMBER	STATUS	DESCRIPTION	PRTY	REPORT DATE	REPORTED BY	SUPV	HRS	ACTUAL FINISH
FACILITY	GC	**0000089055**	CLOSE	GAS CALL- BKR N7	2	12/20/2000	19093		59.0	12/29/2000
Long Description:	**as found lowside 16psi highside 230psi storage 27psi total 25lbs**			**as left low side 12psi highside 255psi storage 27psi**						
FACILITY	CMP	**0000086525**	CLOSE	0500-02 DEW POINT TESTING -BKR N7	9	12/1/2000	19093		1.0	2/1/2001
Long Description:										
PROTSYS	SR	**0000077187**	CLOSE	N7 RECLOSE INVESTIGATION	9	10/13/2000	10644	98397	0.0	8/10/2001
Long Description:										
FACILITY	CMP	**0000077076**	CLOSE	0500-28 BKR SUMM/WINT INSP N7	1	10/12/2000	19093		0.0	11/6/2000
Long Description:										
FACILITY	GC	**0000073519**	CLOSE	SB-GAS CALL GCB/SFV40 N7	1	9/16/2000	75444		0.0	9/18/2000
Long Description:										
FACILITY	CMP	**0000071814**	CLOSE	0500-02 DEW POINT TESTING -BKR N7	9	9/5/2000	19093		0.0	10/19/2000
Long Description:										
FACILITY	CMP	**0000063927**	CLOSE	0500-02 DEW POINT TESTING -BKR N7	9	6/12/2000	19093		0.0	7/17/2000
Long Description:										
FACILITY	CM	**0000057769**	CLOSE	BKR N7 - REPLACE HEATER SWITCH ON C PHASE	9	4/19/2000	19093	98397	0.0	4/18/2000
Long Description:										
FACILITY	GC	**0000051637**	CLOSE	SB-GAS CALL GCB/SFV40 N7	1	2/28/2000	19093	98397	0.0	2/12/2000
Long Description:										
FACILITY	CM	**0000050605**	CLOSE	BKR N7 - CHECK AND REPAIR NO HEAT TO SF6 TANK	9	2/20/2000	19093	98397	91.0	3/22/2000
Long Description:										
FACILITY	GC	**0000049777**	CLOSE	SB-GAS CALL GCB/SFV40 N7	1	2/8/2000	19093		0.0	2/8/2000
Long Description:										
FACILITY	CMP	**0000049677**	CLOSE	0500-02 CIRCUIT BREAKER - N7 - DEW POINT TEST	9	2/7/2000	19093		2.0	5/2/2000
Long Description:										

Redacted

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MAXIMO REPORT: EQUIPMENT HISTORY

Station: SPRAINBROOK **Equipment: BKR-0001790** **SB-CIRCUIT BREAKER-N7 **RETIRED****

RESP AREA	WORK TYPE	WORK NUMBER	STATUS	DESCRIPTION	PRTY	REPORT DATE	REPORTED BY	SUPV	HRS	ACTUAL FINISH
FACILITY Long Description:	GC	**0000038948**	CLOSE	SB-GAS CALL GCB/SFV40 N7	1	10/26/1999	19093		0.0	10/26/1999
FACILITY Long Description:	CMP	**0000029609**	CLOSE	500-02 CIRCUIT BREAKER - N7 - DEW POINT TEST	9	8/9/1999	19093	98397	1.0	8/6/1999
FACILITY Long Description:	GC	**0000028290**	CLOSE	SB-GAS CALL GCB/SFV40 N7ADD 10 LBS	1	7/28/1999	06416		4.0	7/28/1999
FACILITY Long Description:	GC	**0000022110**	CLOSE	SB-GAS CALL GCB/SFV40 N7	1	6/3/1999	19093		36.0	12/24/2000

80 total work order(s) having 1889.5 hours.

Redacted

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MAXIMO REPORT: EQUIPMENT HISTORY

Station: SPRAINBROOK **Equipment: BKR-0001802** **SB-CIRCUIT BREAKER-RN5 **RETIRED****

RESP AREA	WORK TYPE	WORK NUMBER	STATUS	DESCRIPTION	PRTY	REPORT DATE	REPORTED BY	SUPV	HRS	ACTUAL FINISH
FACILITY	DT	**0008069970**	APPR	BKR- RN5 (DT)	4	4/14/2008	MAXADMIN		0.0	

Long Description:

Redacted

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MAXIMO REPORT: EQUIPMENT HISTORY

Station: SPRAINBROOK **Equipment: BKR-0001802** **SB-CIRCUIT BREAKER-RN5 **RETIRED****

RESP AREA	WORK TYPE	WORK NUMBER	STATUS	DESCRIPTION	PRTY	REPORT DATE	REPORTED BY	SUPV	HRS	ACTUAL FINISH
FACILITY	CM	**0007759391**	CLOSE	MAKE MODIFICATIONS TO THE BACKUP TIMER ON BKR RN5	5	1/16/2008	00594		48.0	1/24/2008

Long Description: **From: Murphy, John**
Sent: Tuesday, January 15, 2008 7:06 PM
To: Andresen, Justin R
Cc: Johnson, Christopher; Rowan, Thomas; Lombardi, Salvatore; Murphy, John
Subject: RE: Bkr RN5 BF Circuit Change at Sprain Brook

Justin

Please make out a Maximo for modifications to be made on the backup timer circuit for Breaker RN5 at Sprainbrook. Please reply to everyone on this email with that work order number. Thanks.

From: Lombardi, Salvatore
Sent: Tuesday, January 15, 2008 6:52 PM
To: Spokes, Jason; Bazigos, Nicholas; Patel, Hemang; Rowan, Thomas
Cc: Murphy, John; Lombardi, Salvatore; Johnson, Christopher
Subject: FW: Bkr RN5 BF Circuit Change at Sprain Brook
Importance: High

Gentlemen, We tried to get this tonight, however there is only one line of protection and systems won't give this to us. I will need an outage on RN5 bkr to do this. Tom please put in for an outage for breaker RN5 in Sprainbrook 8 hours with a 1 hour recall.

Jason, Nick, and Hemang , Print # 176999-17 shows the fix, however the light on FN5-RN5 BU Timer is out as well, please update the print 176999 with the fix ASAP. So we can address both lights at the same time, when the outage comes.

Thank you

From: Spokes, Jason
Sent: Thursday, January 10, 2008 9:54 AM
To: Lombardi, Salvatore
Subject: FW: Bkr RN5 BF Circuit Change at Sprain Brook
Importance: High

Jason Spokes
Substation Engineer
Station Project Engineering (North)
Con Edison

Redacted

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MAXIMO REPORT: EQUIPMENT HISTORY

Station: SPRAINBROOK **Equipment: BKR-0001802** **SB-CIRCUIT BREAKER-RN5 **RETIRED****

RESP AREA	WORK TYPE	WORK NUMBER	STATUS	DESCRIPTION	PRTY	REPORT DATE	REPORTED BY	SUPV	HRS	ACTUAL FINISH
	(212) 780-2842									

From: Patel, Hemang
Sent: Tuesday, January 08, 2008 3:49 PM
To: McDermott, Joseph
Cc: Mulligan, Charles J; Bazigos, Nicholas; Rocco, Michael R.; Spokes, Jason
Subject: FW: Bkr RN5 BF Circuit Change at Sprain Brook
Importance: High

Joseph,

Please modify the breaker failure circuit during next available outage.

Thanks

HEMANG PATEL
ELECTRICAL ENGINEER
CON EDISON, NEW YORK
Ph: 212-460-3922

From: Bazigos, Nicholas
Sent: Tuesday, January 08, 2008 3:19 PM
To: Patel, Hemang
Cc: Mulligan, Charles J; Rocco, Michael R.; Spokes, Jason
Subject: Bkr RN5 BF Circuit Change at Sprain Brook

<< File: Document.pdf >> Attached you will find sketch # 01080 that shows the reconnection changes to be made to make the NEON monitoring light functional after the removal of the breaker 52a and the related disconnect switches 89a interlocks from the timer circuit. Please implement this change and revise all the associated schematic and wiring circuits to agree with the attached sketch.
Please, also, note that the NEON light now provides supervision only for the DC supply. Before the disconnection of the breaker and disconnect switches 52a and 89a interlocks, the NEON light was monitoring both the DC supply and these interlocks. The timer unit itself is unsupervisable even before the removal of the interlocks because the 1000 ohm resistor takes the timer out of the NEON light monitoring loop. Under normal, monitoring conditions, the impedance across the timer unit is very high, a virtual open and there is no monitoring current and that is why the 1000 ohm resistor was installed to make monitoring possible.

FACILITY	CM	0007666790	CLOSE	BKR RN5 - REMOVE & REPLACE DEFECTIVE BACK UP TIMER LIGHT	2	12/27/2007	15477	00318	88.0	1/4/2008
Long Description:										

Redacted

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MAXIMO REPORT: EQUIPMENT HISTORY

Station: SPRAINBROOK **Equipment: BKR-0001802** **SB-CIRCUIT BREAKER-RN5 **RETIRED****

RESP AREA	WORK TYPE	WORK NUMBER	STATUS	DESCRIPTION	PRTY	REPORT DATE	REPORTED BY	SUPV	HRS	ACTUAL FINISH
FACILITY	RET	**0007561324**	CLOSE	WORK WITH G&S ON REMOVAL OF OLD BKR RN5 - RETIREMENT	5	11/14/2007	00594		52.0	11/16/2007
Long Description:										
AUXSUP	CAP	**0007378623**	CLOSE	SB BKR RN5- SUPPORT LIMCO GAS CART	3	10/4/2007	49436	49436	12.0	1/2/2008
Long Description:	**Gas compressor cutting out- repaired tubing again (broken from whoever shoved cables and hoses in back and damaged tubing making oil leak out and comp. trip). Repaired, added oil, tested and circulated many hours to be sure 100% When job completed, residual gas needs to be removed from the cart.**									
FACILITY	CMP-0	**0007305727**	CLOSE	0500-28 BKR WINTERIZATION INSP RN5	4	9/30/2007	MAXADMIN	16726	3.0	12/6/2007
Long Description:										
PROTSYS	CAP	**0007293030**	CLOSE	SPRAIN BROOK RN5 BREAKER REPLACEMENT - PST TESTING	5	9/24/2007	18830		1200.0	10/30/2007
Long Description:										
FACILITY	CMP-0	**0007239570**	CLOSE	0500-02 DEW POINT TESTING -BKR RN5	4	8/31/2007	MAXADMIN	88830	1.0	11/23/2007
Long Description:										
FACILITY	GC	**0006730054**	CLOSE	GAS CALL- BKR RN5	2	3/27/2007	75400	75400	7.5	3/27/2007
Long Description:										
FACILITY	CMP	**0006603812**	CLOSE	0500-28 BKR SUMMERIZATION INSP RN5	2	2/28/2007	MAXADMIN	70286	2.5	5/21/2007
Long Description:										
FACILITY	CMP	**0006106255**	CLOSE	0500-28 BKR WINTERIZATION INSP RN5	2	9/30/2006	MAXADMIN	16108	3.0	12/6/2006
Long Description:										
FACILITY	CMP	**0005991855**	CLOSE	0500-02 DEW POINT TESTING -BKR RN5	2	8/31/2006	MAXADMIN	56751	2.0	1/9/2007
Long Description:										
FACILITY	CMP	**0005790663**	CLOSE	0500-17 ANNUAL COMPRESSOR BKR RN5	2	6/30/2006	MAXADMIN	70286	15.5	6/7/2007
Long Description:										
FACILITY	CMP	**0005325329**	CLOSE	0500-28 BKR SUMMERIZATION INSP RN5	2	2/28/2006	MAXADMIN	15477	2.0	5/28/2006
Long Description:										

Redacted

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MAXIMO REPORT: EQUIPMENT HISTORY

Station: SPRAINBROOK **Equipment: BKR-0001802** **SB-CIRCUIT BREAKER-RN5 **RETIRED****

RESP AREA	WORK TYPE	WORK NUMBER	STATUS	DESCRIPTION	PRTY	REPORT DATE	REPORTED BY	SUPV	HRS	ACTUAL FINISH
AUXSUP	CAP	**0004994754**	CLOSE	BKR- RN5 HIPOT NEW BREAKER	5	12/1/2005	19093	49436	42.0	10/9/2007

Long Description: **Meet to review safety aspect of job 10/9/07 with operators, ECB, Safety SMA. Overhead feeder will be inservice.**

DC Proof Test Data

Location Of Test: Sprainbrook Equip. Bkr RN5 Date: 10/14/2007 Starting Time:

Voltage Applied: 450 kv dc Duration of Test: 5 min's Station Set/Truck # V1 Performed By:

Test OK: Test Failed: Surged: End Time:

TEST DATA : All phases tied.

ELAPSED TIME	DC KILOVOLTS	MILLIAMPS	Remarks:
0 sec.	450	2.5	all phases tied as per test letter
15 sec.	450	2.5	set leakage= .15 ma
30 sec.	450	2.5	
45 sec.	450	2.5	
1 min.	450	2.5	
2 min.	450	2.5	
3 min.	450	2.5	
4 min.	450	2.5	
5 min.	450	2.5	

FACILITY	CAP	**0004994553**	CLOSE	BKR- RN5 REPLACEMENT - OPERATOR COVERAGE	5	12/1/2005	19093	01694	908.0	11/28/2007
Long Description:										
FACILITY	CAP	**0004994426**	CLOSE	BKR- RN5 INSTALLATION OF NEW BREAKER	5	12/1/2005	19093		662.0	11/2/2007
Long Description:										
FACILITY	RET	**0004994314**	CLOSE	BKR- RN5 REMOVE BREAKER FROM PAD	5	12/1/2005	19093		206.0	12/6/2006
Long Description:										
FACILITY	CMP	**0000340852**	CLOSE	0500-28 BKR WINTERIZATION INSP RN5	2	9/25/2005	PMWOGEN	82577	4.0	12/23/2005
Long Description:										
FACILITY	CMP	**0000333979**	CLOSE	0500-02 DEW POINT TESTING -BKR RN5	2	8/25/2005	PMWOGEN	49112	1.5	8/31/2005
Long Description:										

Redacted

MAXIMO REPORT: EQUIPMENT HISTORY

Station: SPRAINBROOK **Equipment: BKR-0001802** **SB-CIRCUIT BREAKER-RN5 **RETIRED****

RESP AREA	WORK TYPE	WORK NUMBER	STATUS	DESCRIPTION	PRTY	REPORT DATE	REPORTED BY	SUPV	HRS	ACTUAL FINISH
FACILITY Long Description:	CM	**0000319532**	CLOSE	CHECK AIR PRESSURE SWITCHES	3	5/27/2005	39418	50013	0.0	1/12/2006
FACILITY Long Description:	CMP	**0000300637**	CLOSE	0500-28 BKR SUMMERIZATION INSP RN5	4	2/25/2005	PMWOGEN	15477	1.5	5/18/2005
FACILITY Long Description:	CM	**0000276505**	CLOSE	T/S DIFFERENTIAL ALARM	3	10/13/2004	14180	17372	8.0	9/9/2005
FACILITY Long Description:	CMP	**0000274032**	CLOSE	0500-28 BKR WINTERIZATION INSP RN5	4	9/25/2004	PMWOGEN	15477	2.0	11/14/2004
FACILITY Long Description:	CMP	**0000245322**	CLOSE	0500-28 BKR SUMMERIZATION INSP RN5	4	2/28/2004	PMWOGEN	15477	0.5	5/12/2004
FACILITY Long Description:	CM	**0000232874**	CLOSE	CHECK & REPAIR RS5 AIR LEAK ON HIGH SIDE	4	11/25/2003	19963	56751	8.0	12/5/2003
FACILITY Long Description:	CMP	**0000225542**	CLOSE	0500-28 BKR SUMM/WINT INSP RN5	2	9/29/2003	14180	15477	2.0	10/25/2003
FACILITY Long Description:	CMP	**0000224485**	CLOSE	0500-02 DEW POINT TESTING -BKR RN5	2	9/25/2003	19093	99294	2.0	10/9/2003
FACILITY Long Description:	CMP	**0000203525**	CLOSE	0500-28 BKR SUMM/WINT INSP RN5	2	4/1/2003	19093		0.5	4/30/2003
PROTSYS Long Description:	SR	**0000197895**	CLOSE	BREAKER RN5 DID NOT RECLOSE DURING TRIP CHECK	2	2/25/2003	12778		0.0	5/12/2003
FACILITY Long Description:	CMP	**0000187713**	CLOSE	0500-02 DEW POINT TESTING -BKR RN5	2	12/2/2002	19093		2.0	1/21/2003
FACILITY Long Description:	CMP	**0000178393**	CLOSE	0500-28 BKR SUMM/WINT INSP RN5	2	10/1/2002	19093		0.0	12/29/2002
FACILITY Long Description: **RELAY BOARDS NORTH TBLE.ALARM UP.**	CM	**0000176205**	CLOSE	RELAY MC94-1A/FN5 MONITORING LIGHT OUT.-ALARM	1	9/20/2002	15502	98397	8.0	9/26/2002

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MAXIMO REPORT: EQUIPMENT HISTORY

Station: SPRAINBROOK **Equipment: BKR-0001802** **SB-CIRCUIT BREAKER-RN5 **RETIRED****

RESP AREA	WORK TYPE	WORK NUMBER	STATUS	DESCRIPTION	PRTY	REPORT DATE	REPORTED BY	SUPV	HRS	ACTUAL FINISH
FACILITY	CMP	**0000153646**	CLOSE	0500-28 BKR SUMM/WINT INSP RN5	2	3/19/2002	15477		1.5	4/14/2002
Long Description:										
FACILITY	CMP	**0000139633**	CLOSE	0500-02 DEW POINT TESTING -BKR RN5	9	12/3/2001	19093		2.0	1/22/2002
Long Description:										
FACILITY	CMP	**0000129903**	CLOSE	0500-28 BKR SUMM/WINT INSP RN5	1	9/27/2001	19093		1.3	11/19/2001
Long Description:										
FACILITY	CMP	**0000110540**	CLOSE	0500-28 BKR SUMM/WINT INSP RN5	1	4/25/2001	19093		1.5	6/20/2001
Long Description:										
AUXSUP	CM	**0000104652**	CLOSE	SB-BKR. RN5- MAINTAIN GAS TRAILOR DURING OVERHAUL	1	3/16/2001	80509	99498	156.0	5/28/2001
Long Description:	**Trailer gas found to have oxygen in tank after gas was sucked out from Bkr. Mechanics tried to freeze gas and blow off oxygen but trailer needs freon for system to work. Temp Aire vendor called in to add freon. Then chem can check. If good, circulate and cleanup gas to put back in bkr.**									
PROTSYS	SR	**0000099074**	CLOSE	BKR RN5 OVERHAUL - SHORT CT'S & DOBLE	9	2/23/2001	10644		81.0	5/4/2001
Long Description:										
PROTSYS	SR	**0000098749**	CLOSE	BKR RN5 - ISOLATE CT'S AND INSTALL JUMPERS	1	2/20/2001	80509	98397	43.0	5/4/2001
Long Description:	**this circuit breaker overhaul has been denied by system.**									
AUXSUP	HPOT	**0000098748**	CLOSE	SB-BKR. RN5- AFTER OVERHAUL HIPOT	1	2/20/2001	80509	99498	170.5	4/16/2001
Long Description:	**HI-POT COMPLETED**									
FACILITY	CM	**0000098134**	CLOSE	POLE 2 AIR COMPRESSOR LINE STARTER NEEDS RESETTING IN ORDER	9	2/8/2001	15502		0.0	3/7/2001
Long Description:	**FOR IT TO START.C/B AIR GAS BAY 5 ALARM COMES IN WHEN IT DOES NOT START.**									
FACILITY	GC	**0000089111**	CLOSE	GAS CALL ACB/ATB7AY RN5	2	12/20/2000	19093		0.0	12/29/2000
Long Description:										
FACILITY	CM	**0000088277**	CLOSE	REPLACE AKOMATIC VALVE ON RN-5	9	12/18/2000	01150	98397	8.0	5/4/2001
Long Description:										
FACILITY	CMP	**0000086516**	CLOSE	0500-02 DEW POINT TESTING -BKR RN5	9	12/1/2000	19093		1.0	1/31/2001
Long Description:										
FACILITY	CM	**0000085435**	CLOSE	C. BREAKER RN5 - AIR LEAK AT HEAD	9	11/22/2000	10976		4.0	5/3/2001
Long Description:										

Redacted

MAXIMO REPORT: EQUIPMENT HISTORY

Station: SPRAINBROOK **Equipment: BKR-0001802** **SB-CIRCUIT BREAKER-RN5 **RETIRED****

RESP AREA	WORK TYPE	WORK NUMBER	STATUS	DESCRIPTION	PRTY	REPORT DATE	REPORTED BY	SUPV	HRS	ACTUAL FINISH
FACILITY Long Description:	CMP	**0000077070**	CLOSE	0500-28 BKR SUMM/WINT INSP RN5	1	10/12/2000	19093		0.0	1/23/2001
EQUIP&FLD Long Description:	CAP	**0000075798**	CLOSE	REPLACE BREAKER RN5-(MASTER)	5	10/2/2000	75105	98397	78.0	6/20/2006
FACILITY Long Description: **this circuit breaker overhaul has been denied by system.**	OH	**0000074946**	CLOSE	BKR-0001802 ACB RN5	1	9/29/2000	80509		2688.5	6/2/2001
FACILITY Long Description:	CMP	**0000071805**	CLOSE	0500-02 DEW POINT TESTING -BKR RN5	9	9/5/2000	19093		2.0	9/26/2000
FACILITY Long Description:	CM	**0000070991**	CLOSE	BKR RN5 - REPLACE ATKOMATIC VALVE	9	8/30/2000	19093	98397	16.0	10/5/2000
FACILITY Long Description:	CMP	**0000063918**	CLOSE	0500-02 DEW POINT TESTING -BKR RN5	9	6/12/2000	19093		0.0	7/17/2000
FACILITY Long Description:	CM	**0000053314**	CLOSE	REPLACE RECLAIMER ON POLE#3 AIR COMPRESSOR	9	3/7/2000	98397	98397	0.0	3/22/2000
FACILITY Long Description:	CMP	**0000049668**	CLOSE	0500-02 CIRCUIT BREAKER - RN5 - DEW POINT TEST	9	2/7/2000	19093		0.0	6/7/2000
FACILITY Long Description:	CM	**0000047386**	CLOSE	BKR RN5 - SAFETY ON BKR HEADS LEAKING	9	1/17/2000	19093	98397	25.5	1/15/2000
FACILITY Long Description:	CM	**0000044955**	CLOSE	BKR RN5 - CHECK & REPAIR AIR LEAK	9	12/26/1999	19093	98397	30.0	12/26/1999
FACILITY Long Description:	CM	**0000042624**	CLOSE	BKR RN5 - CUT EXCESS MUFFLER TUBBING AT TOP.	9	11/29/1999	19093	98397	6.0	11/29/1999
FACILITY Long Description:	GC	**0000042468**	CLOSE	SB-GAS CALL ACB/ATB7AY RN5	1	11/24/1999	19093	98397	0.0	11/24/1999
FACILITY Long Description:	GC	**0000038946**	CLOSE	SB-GAS CALL ACB/ATB7AY RN5	1	10/26/1999	19093		0.0	10/26/1999

Redacted

MAXIMO REPORT: EQUIPMENT HISTORY

Station: SPRAINBROOK **Equipment: BKR-0001802** **SB-CIRCUIT BREAKER-RN5 **RETIRED****

RESP AREA	WORK TYPE	WORK NUMBER	STATUS	DESCRIPTION	PRTY	REPORT DATE	REPORTED BY	SUPV	HRS	ACTUAL FINISH
FACILITY Long Description:	CM	**0000034378**	CLOSE	BREAKER RN5 - REPLACE GASKET ON COMPRESSOR	9	9/21/1999	19093	98397	22.0	10/26/1999
FACILITY Long Description:	GC	**0000032570**	CLOSE	BREAKER RN5 - GAS CALL ADDED 23 LBS	1	9/3/1999	19093	98397	4.0	9/6/1999
FACILITY Long Description:	CMP	**0000030115**	CLOSE	500-02 CIRCUIT BREAKER - RN5 - DEW POINT TEST	9	8/12/1999	19093	98397	2.0	8/16/1999
TRFGRP Long Description:	ENV	**0000023446**	CLOSE	REPAIR MINOR LEAKS	9	6/16/1999	75744	75744	24.0	6/18/1999
FACILITY Long Description:	GC	**0000022102**	CLOSE	SB-GAS CALL ACB/ATB7AY RN5	1	6/3/1999	19093		15.5	12/24/2000
FACILITY Long Description:	CM	**0000013003**	CLOSE	BKR RN5 - BKR TRIP FREEING	9	3/3/1999	54992		14.0	2/28/1999

65 total work order(s) having 6691.75 hours.

Redacted

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MAXIMO REPORT: EQUIPMENT HISTORY

Station: FARRAGUT **Equipment: BKR-0002240** **FARR-CIRCUIT BREAKER-10E **RETIRED****

RESP AREA	WORK TYPE	WORK NUMBER	STATUS	DESCRIPTION	PRTY	REPORT DATE	REPORTED BY	SUPV	HRS	ACTUAL FINISH
AUXSUP	CAP	**0007687726**	CLOSE	HIPOT BREAKER 10E AFTER INSTALLATION	2	12/31/2007	08050		71.0	1/22/2008
Long Description:	**This breaker gave us a bit of problem. No operators available and then it in a pedestal and we had to use the poles. A little bit of a pain. We finished the breaker at approximately 1720 and then we broke dowm.**									
FACILITY	FM	**0007659633**	CLOSE	INSTALL MONITORING LIGHTS ON BKR 10E FOR HEATERS	5	12/18/2007	12977		27.0	1/31/2008
Long Description:										
AUXSUP	RET	**0007639339**	CLOSE	REMOVE HARLEY COMPRESSORS FROM BREAKER 10E AT FARR SS	3	12/3/2007	08050		32.0	12/10/2007
Long Description:										
PROTSYS	CAP	**0007461047**	CLOSE	REMOVAL/RETIREMENT OF 10E OLD BREAKER	2	10/22/2007	88082		0.0	2/7/2008
Long Description:										
PROTSYS	CAP	**0007461016**	CLOSE	REMOVAL/RETIREMENT OF 10E OLD BREAKER	2	10/22/2007	88082		526.0	12/6/2007
Long Description:										
FACILITY	CMP-0	**0007373461**	CLOSE	0500-28 WINTERIZATION INSP BKR 10E	4	10/1/2007	MAXADMIN	04094	0.0	11/20/2007
Long Description:										
FACILITY	CAP	**0007224564**	CLOSE	FARRAGUT S/S BREAKER 10E - INSTALLATION	5	8/29/2007	12977		8.0	8/29/2007
Long Description:										
FACILITY	GC	**0006727640**	CLOSE	GAS CALL BKR 10E	2	3/26/2007	01795	01795	0.0	3/26/2007
Long Description:										
FACILITY	CMP	**0006651438**	CLOSE	0500-28 SUMMERIZATION INSP BKR 10E	2	3/1/2007	MAXADMIN	09295	2.0	5/18/2007
Long Description:										
FACILITY	CMP	**0006075236**	CLOSE	0500-28 BKR WINTERIZATION INSP 10E	2	9/30/2006	MAXADMIN	04094	6.0	10/6/2006
Long Description:										
FACILITY	INFO	**0005427359**	CLOSE	GAS CALL BKR 10E	2	3/14/2006	79255	54198	0.0	3/14/2006
Long Description:										
FACILITY	CMP	**0005338730**	CLOSE	0500-28 BKR SUMMERIZATION INSP 10E	2	2/28/2006	MAXADMIN	10479	3.0	4/11/2006
Long Description:										
FACILITY	GC	**0005017068**	CLOSE	GAS CALL BKR 10E	2	12/3/2005	18979	18979	0.0	12/3/2005
Long Description:										

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MAXIMO REPORT: EQUIPMENT HISTORY

Station: FARRAGUT **Equipment: BKR-0002240** **FARR-CIRCUIT BREAKER-10E **RETIRED****

RESP AREA	WORK TYPE	WORK NUMBER	STATUS	DESCRIPTION	PRTY	REPORT DATE	REPORTED BY	SUPV	HRS	ACTUAL FINISH
FACILITY	CMP	**0000341222**	CLOSE	0500-28 BKR WINTERIZATION INSP 10E	2	9/25/2005	PMWOGEN	44583	1.0	11/2/2005
Long Description:										
FACILITY	CMP	**0000301087**	CLOSE	0500-28 BKR SUMMERIZATION INSP 10E	4	2/25/2005	PMWOGEN	04094	4.0	4/13/2005
Long Description:										
FACILITY	CMP	**0000274446**	CLOSE	0500-28 BKR WINTERIZATION INSP 10E	4	9/25/2004	PMWOGEN	44583	1.0	10/7/2004
Long Description:										
FACILITY	CMP	**0000245762**	CLOSE	0500-28 BKR SUMMERIZATION INSP 10E	4	2/28/2004	PMWOGEN	03954	1.0	5/18/2004
Long Description:										
FACILITY	CMP	**0000226949**	CLOSE	0500-28 BKR SUMM/WINT INSP 10E	2	10/3/2003	12977	49539	2.0	10/21/2003
Long Description:										
FACILITY	CM	**0000208417**	CLOSE	BREAKER 10E TIMER: 62-10E-2/B9E-B10E MONITORING LIGHT OUT RELAY HSE "C"	4	5/12/2003	56636	17090	12.0	5/14/2003

Long Description: **LOCATED IN RELAY HSE "C" PNL B23**

5-12-03

AFTER SOME RESEARCH AND TROUBLESHOOTING WE FOUND THAT THERE WAS A BAD CONNECTION ON THE BACK OF THE SOCKET THAT HOUSES THE NEON BULB IT WAS CLEANED AND TIGHTENED TO ENSURE A GOOD CONNECTION AND THE BULB IS NOW LIT

FACILITY	CMP	**0000203279**	CLOSE	0500-28 BKR SUMM/WINT INSP 10E	2	4/1/2003	14091	12977	1.5	4/21/2003
Long Description:										
FACILITY	CMP	**0000178956**	CLOSE	0500-28 BKR SUMM/WINT INSP 10E	2	10/1/2002	14091		2.0	11/8/2002
Long Description:										
FACILITY	CM	**0000176941**	CLOSE	RELAY HSE "C" TRIP CIRC SUPERVISION ALARM: BKR 10E	4	9/26/2002	56636	17366	25.0	10/30/2002

Long Description: **BKR 10E CLOSE INDICATION LIGHT SOCKET AT BREAKER CONTROL CABINET HAS MELTED INSIDE WHEN CHANGING BULB AND NOW CAUSES CONTROL FUSES IN RELAY HOUSE C FOR BKR 10E TO KEEP BLOWING. SOCKET NEEDS TO BE CHANGED. IN RELAY HSE C THE CONTROL SWITCH HANDLE FOR BKR 10E CLOSE INDICATION LIGHT IS OUT, 50-T1/10E INDICATION LIGHT IS OUT BUT 50-T2/10E IS LITE.**

FACILITY	CM	**0000173632**	CLOSE	CB#10E OPENED AUTO, NO TARGETS CHECK & REPAIR	2	9/1/2002	03824	03954	157.0	10/30/2002

Long Description: **MECHANISM INNER CONNECTING ROD REPLACED POLE #4,POLE # 6 INTERRUPTER REPLACED, BREAKER TIMING**

Redacted

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MAXIMO REPORT: EQUIPMENT HISTORY

Station: FARRAGUT **Equipment: BKR-0002240** **FARR-CIRCUIT BREAKER-10E **RETIRED****

RESP AREA	WORK TYPE	WORK NUMBER	STATUS	DESCRIPTION	PRTY	REPORT DATE	REPORTED BY	SUPV	HRS	ACTUAL FINISH
FACILITY	CM	**0000157545**	CLOSE	OPEN INDICATION ON BKR. 10E IN RELAY HSE. "C" N.G.	3	4/13/2002	06846	17366	16.0	5/6/2003
Long Description:										
FACILITY	CMP	**0000156358**	CLOSE	0500-28 BKR SUMM/WINT INSP 10E	2	4/4/2002	14091		1.0	4/18/2002
Long Description:										
FACILITY	CMP	**0000130025**	CLOSE	0500-28 BKR SUMM/WINT INSP 10E	1	9/28/2001	14091		2.0	10/24/2001
Long Description:										
FACILITY	CMP	**0000112270**	CLOSE	0500-28 BKR SUMM/WINT INSP 10E	1	5/1/2001	14091	06231	1.0	5/30/2001
Long Description:										
FACILITY	GC	**0000089478**	CLOSE	GAS CALL ACB/ATB5AY 10E	2	12/20/2000	19093		0.0	2/10/2003
Long Description:										
FACILITY	CMP	**0000078667**	CLOSE	0500-28 BKR SUMM/WINT INSP 10E	1	10/31/2000	14091	06231	1.5	11/7/2000
Long Description:										
FACILITY	CM	**0000072595**	CLOSE	0500-02 DEW POINT TESTING BKR 10E	9	9/8/2000	MARSTONG	06231	2.0	9/8/2000
Long Description:										
FACILITY	ENV	**0000068457**	CLOSE	BKR COMPRESSOR 10E P2 HARLEY TANK 3/4 FULL	9	7/29/2000	01795		16.0	8/4/2000
Long Description:										
FACILITY	CMP	**0000067817**	CLOSE	0500-02 DEW POINT TESTING -BKR 10E	9	7/24/2000	14091		2.0	7/26/2000
Long Description:										
AUXSUP	CM	**0000060144**	CLOSE	SUMP TANK LEVEL SIGHT TUBE UNVISIBLE TO SEE LEVEL	9	5/5/2000	18516		4.0	5/15/2000
Long Description:	**DRAINED TANK CLEANED GLASS**									
AUXSUP	ENV	**0000058429**	CLOSE	BKR. 10E SUMP PUMP TANK ON POLE 3 1/2 FULL	9	4/26/2000	06846		2.0	4/28/2000
Long Description:	**drained sump**									
FACILITY	CMP	**0000054635**	CLOSE	0500-28 BKR SUMM/WINT INSP 10E	1	3/23/2000	14091		2.0	5/1/2000
Long Description:										
FACILITY	CMP	**0000037103**	CLOSE	CIR BKRS 10E WINTERIZATION (500-28)	1	10/12/1999	14091		1.0	11/15/1999
Long Description:										

Redacted

Exhibit __ (SIIP-1)
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MAXIMO REPORT: EQUIPMENT HISTORY

Station: FARRAGUT **Equipment: BKR-0002240** **FARR-CIRCUIT BREAKER-10E **RETIRED****

RESP AREA	WORK TYPE	WORK NUMBER	STATUS	DESCRIPTION	PRTY	REPORT DATE	REPORTED BY	SUPV	HRS	ACTUAL FINISH
PROTSYS Long Description:	SR	**0000033593**	CLOSE	DOBLE TEST ACB 10E OVERHAUL	1	9/14/1999	14091		56.0	11/22/1999
AUXSUP Long Description:	HPOT	**0000033592**	CLOSE	SETUP HIPOT TEST FOR ACB 10E OVERHAUL	1	9/14/1999	14091		50.0	11/30/1999
FACILITY Long Description:	CM	**0000033591**	CLOSE	AIR COMSUMPTION TEST ON ACB 10E OVERHAUL	1	9/14/1999	14091		16.0	12/7/1999
FACILITY Long Description:	FS	**0000033590**	CLOSE	ERECT AND DISMANTLE SCAFFOLDING FOR ACB 10E OVERHAUL	1	9/14/1999	14091		65.0	12/7/1999
FACILITY Long Description:	OH	**0000033589**	CLOSE	BKR-0002240 ACB 10E OVERHAUL	1	9/14/1999	14091		1650.5	12/7/1999
FACILITY Long Description:	GC	**0000031445**	CLOSE	FARR-GAS CALL ACB/ATB5AY 10E	1	8/27/1999	12575		0.0	9/20/1999
FACILITY Long Description:	GC	**0000028362**	CLOSE	FARR-GAS CALL ACB/ATB5AY 10E	1	7/29/1999	ROJASJ		0.0	7/29/1999
FACILITY Long Description:	GC	**0000024220**	CLOSE	FARR-GAS CALL ACB/ATB5AY 10E	1	6/23/1999	56636		0.0	6/23/1999
FACILITY Long Description:	GC	**0000017997**	CLOSE	FARR-GAS CALL ACB/ATB5AY 10E	1	5/5/1999	14091		1.0	12/24/2000
FACILITY Long Description:	CM	**0000013444**	CLOSE	BREAKER 10E AIR LEAK REPAIR COLUMN 9	9	3/11/1999	MARSTONG		32.0	3/24/1999

46 total work order(s) having 2802.5 hours.

Redacted

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MAXIMO REPORT: EQUIPMENT HISTORY

Station: FARRAGUT **Equipment: BKR-0002243** **FARR-CIRCUIT BREAKER-10W**

RESP AREA	WORK TYPE	WORK NUMBER	STATUS	DESCRIPTION	PRTY	REPORT DATE	REPORTED BY	SUPV	HRS	ACTUAL FINISH
FACILITY Long Description:	CM	**0008093812**	CLOSE	TIMING BREAKER 10W	5	4/29/2008	12977		34.5	4/29/2008
FACILITY Long Description:	GC	**0008057341**	CLOSE	GAS CALL BKR 10W	4	4/5/2008	01795	01795	0.0	4/5/2008
FACILITY Long Description:	GC	**0007996140**	CLOSE	GAS CALL BKR 10W	4	3/24/2008	56636	56636	0.0	3/24/2008
FACILITY Long Description:	GC	**0007993621**	CLOSE	GAS CALL BKR 10W	4	3/23/2008	01795	01795	0.0	3/23/2008
FACILITY Long Description:	GC	**0007987442**	CLOSE	GAS CALL BKR 10W	4	3/18/2008	01795	01795	0.0	3/18/2008
FACILITY Long Description:	CM	**0007980788**	CLOSE	MISCELLANOUS(RELAY DOORS, SERVICE BREAKER 10W)	5	3/12/2008	12977		54.0	4/22/2008
FACILITY Long Description:	GC	**0007973541**	CLOSE	GAS CALL BKR 10W	4	3/8/2008	01795	01795	0.0	3/8/2008
FACILITY Long Description:	GC	**0007966744**	CLOSE	GAS CALL BKR 10W	4	3/3/2008	01825	01825	0.0	3/3/2008
FACILITY Long Description:	GC	**0007966738**	CLOSE	GAS CALL BKR 10W	4	3/3/2008	01825	01825	0.0	3/3/2008
FACILITY Long Description:	GC	**0007964397**	CLOSE	GAS CALL BKR 10W	4	3/1/2008	01825	01825	0.0	3/1/2008
FACILITY Long Description:	GC	**0007945968**	CLOSE	GAS CALL BKR 10W	4	2/29/2008	00599	00599	0.0	2/29/2008
FACILITY Long Description:	GC	**0007908117**	CLOSE	GAS CALL BKR 10W	4	2/28/2008	01795	01795	0.0	2/28/2008
FACILITY Long Description:	GC	**0007898739**	CLOSE	GAS CALL BKR 10W	4	2/20/2008	87752	87752	0.0	2/20/2008
FACILITY Long Description:	GC	**0007890993**	CLOSE	GAS CALL BKR 10W	4	2/17/2008	87752	87752	0.0	2/17/2008

Redacted

MAXIMO REPORT: EQUIPMENT HISTORY

Station: FARRAGUT **Equipment: BKR-0002243** **FARR-CIRCUIT BREAKER-10W**

RESP AREA	WORK TYPE	WORK NUMBER	STATUS	DESCRIPTION	PRTY	REPORT DATE	REPORTED BY	SUPV	HRS	ACTUAL FINISH
FACILITY Long Description:	GC	**0007888705**	CLOSE	GAS CALL BKR 10W	4	2/16/2008	87752	87752	0.0	2/16/2008
FACILITY Long Description:	GC	**0007887515**	CLOSE	GAS CALL BKR 10W	4	2/14/2008	05426	05426	0.0	2/14/2008
FACILITY Long Description:	CMP-0	**0007856978**	CLOSE	0500-28 SUMMERIZATION INSP BKR 10W	4	2/8/2008	89260	18903	3.0	5/13/2008
FACILITY Long Description:	GC	**0007849037**	CLOSE	GAS CALL BKR 10W	4	2/4/2008	87752	87752	0.0	2/4/2008
FACILITY Long Description:	GC	**0007824968**	CLOSE	GAS CALL BKR 10W	4	1/31/2008	00599	00599	0.0	1/31/2008
FACILITY Long Description:	GC	**0007805717**	CLOSE	GAS CALL BKR 10W	4	1/31/2008	00599	00599	0.0	1/31/2008
FACILITY Long Description:	GC	**0007805375**	CLOSE	GAS CALL BKR 10W	4	1/30/2008	87752	87752	0.0	1/30/2008
FACILITY Long Description:	GC	**0007800816**	CLOSE	GAS CALL BKR 10W	4	1/27/2008	00599	00599	0.0	1/27/2008
FACILITY Long Description:	GC	**0007797955**	CLOSE	GAS CALL BKR 10W	4	1/26/2008	01825	01825	0.0	1/26/2008
FACILITY Long Description:	GC	**0007797259**	CLOSE	GAS CALL BKR 10W	4	1/26/2008	00599	00599	0.0	1/26/2008
FACILITY Long Description:	GC	**0007796910**	CLOSE	GAS CALL BKR 10W	4	1/25/2008	01795	01795	0.0	1/25/2008
FACILITY Long Description:	GC	**0007794823**	CLOSE	GAS CALL BKR 10W	4	1/24/2008	01795	01795	0.0	1/24/2008
FACILITY Long Description:	GC	**0007789233**	CLOSE	GAS CALL BKR 10W	4	1/20/2008	18979	18979	0.0	1/20/2008
FACILITY Long Description:	GC	**0007759298**	CLOSE	GAS CALL BKR 10W	4	1/16/2008	01795	01795	0.0	1/16/2008

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MAXIMO REPORT: EQUIPMENT HISTORY

Station: FARRAGUT **Equipment: BKR-0002243** **FARR-CIRCUIT BREAKER-10W**

RESP AREA	WORK TYPE	WORK NUMBER	STATUS	DESCRIPTION	PRTY	REPORT DATE	REPORTED BY	SUPV	HRS	ACTUAL FINISH
FACILITY Long Description:	GC	**0007757208**	CLOSE	GAS CALL BKR 10W	4	1/14/2008	00599	00599	0.0	1/14/2008
FACILITY Long Description:	GC	**0007755984**	CLOSE	GAS CALL BKR 10W	4	1/14/2008	01795	01795	0.0	1/14/2008
FACILITY Long Description:	GC	**0007721314**	CLOSE	GAS CALL BKR 10W	4	1/4/2008	05426	05426	0.0	1/4/2008
FACILITY Long Description:	GC	**0007719568**	CLOSE	GAS CALL BKR 10W	4	1/3/2008	01825	01825	0.0	1/3/2008
FACILITY Long Description:	GC	**0007712062**	CLOSE	GAS CALL BKR 10W	4	1/2/2008	18979	18979	0.0	1/2/2008
FACILITY Long Description:	GC	**0007666090**	CLOSE	GAS CALL BKR 10W	4	12/26/2007	01795	01795	0.0	12/26/2007
FACILITY Long Description:	GC	**0007664187**	CLOSE	GAS CALL BKR 10W	4	12/24/2007	05426	05426	0.0	12/24/2007
FACILITY Long Description:	GC	**0007661886**	CLOSE	GAS CALL BKR 10W	4	12/22/2007	01795	01795	0.0	12/22/2007
FACILITY Long Description:	GC	**0007659837**	CLOSE	GAS CALL BKR 10W	4	12/18/2007	05426	05426	0.0	12/18/2007
FACILITY Long Description:	GC	**0007658241**	CLOSE	GAS CALL BKR 10W	4	12/17/2007	01825	01825	0.0	12/17/2007
FACILITY Long Description:	GC	**0007653243**	CLOSE	GAS CALL BKR 10W	4	12/15/2007	18979	18979	0.0	12/15/2007
FACILITY Long Description:	GC	**0007652075**	CLOSE	GAS CALL BKR 10W	4	12/13/2007	18979	18979	0.0	12/13/2007
FACILITY Long Description:	CMSF6	**0007650451**	CLOSE	BKR 10 W C PHASE SF6 GAS LEAK	5	12/11/2007	01795		69.0	4/28/2008
FACILITY Long Description:	GC	**0007650445**	CLOSE	GAS CALL BKR 10W	4	12/11/2007	01795	01795	0.0	12/11/2007

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MAXIMO REPORT: EQUIPMENT HISTORY

Station: FARRAGUT **Equipment: BKR-0002243** **FARR-CIRCUIT BREAKER-10W**

RESP AREA	WORK TYPE	WORK NUMBER	STATUS	DESCRIPTION	PRTY	REPORT DATE	REPORTED BY	SUPV	HRS	ACTUAL FINISH
FACILITY Long Description:	GC	**0007648267**	CLOSE	GAS CALL BKR 10W	4	12/10/2007	56636	56636	0.0	12/10/2007
FACILITY Long Description:	GC	**0007645119**	CLOSE	GAS CALL BKR 10W	4	12/8/2007	05426	05426	0.0	12/8/2007
FACILITY Long Description:	GC	**0007642967**	CLOSE	GAS CALL BKR 10W	4	12/5/2007	01795	01795	0.0	12/11/2007
FACILITY Long Description:	GC	**0007579315**	CLOSE	GAS CALL BKR 10W	4	11/28/2007	56636	56636	0.0	11/28/2007
FACILITY Long Description:	GC	**0007572132**	CLOSE	GAS CALL BKR 10W	4	11/25/2007	18979	18979	0.0	11/25/2007
FACILITY Long Description:	GC	**0007571836**	CLOSE	GAS CALL BKR 10W	4	11/24/2007	01795	01795	0.0	11/24/2007
FACILITY Long Description:	GC	**0007567580**	CLOSE	GAS CALL BKR 10W	4	11/18/2007	01795	01795	0.0	11/18/2007
FACILITY Long Description:	GC	**0007550241**	CLOSE	GAS CALL BKR 10W	4	11/12/2007	56636	56636	0.0	11/12/2007
FACILITY Long Description:	GC	**0007549683**	CLOSE	GAS CALL BKR 10W	4	11/11/2007	56636	56636	0.0	11/11/2007
FACILITY Long Description:	GC	**0007547474**	CLOSE	GAS CALL BKR 10W	4	11/10/2007	56636	56636	0.0	11/10/2007
FACILITY Long Description:	GC	**0007546069**	CLOSE	GAS CALL BKR 10W	4	11/9/2007	18979	18979	0.0	11/9/2007
FACILITY Long Description:	GC	**0007542235**	CLOSE	GAS CALL BKR 10W	4	11/7/2007	01795	01795	0.0	11/7/2007
FACILITY Long Description:	GC	**0007539469**	CLOSE	GAS CALL BKR 10W	4	11/5/2007	56636	56636	0.0	11/5/2007
AUXSUP Long Description:	HPOT	**0007460782**	CLOSE	HIPOT FARR SS BREAKER 10W	5	10/22/2007	08050		62.0	1/2/2008

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MAXIMO REPORT: EQUIPMENT HISTORY

Station: FARRAGUT **Equipment: BKR-0002243** **FARR-CIRCUIT BREAKER-10W**

RESP AREA	WORK TYPE	WORK NUMBER	STATUS	DESCRIPTION	PRTY	REPORT DATE	REPORTED BY	SUPV	HRS	ACTUAL FINISH
PROTSYS Long Description:	SR	**0007398943**	CLOSE	FARRAGUT BKR 10W DOBLE TEST	5	10/13/2007	05804		60.0	10/14/2007
FACILITY Long Description:	CMP-0	**0007373496**	CLOSE	0500-28 WINTERIZATION INSP BKR 10W	4	10/1/2007	MAXADMIN	04094	16.0	11/20/2007
FACILITY Long Description:	GC	**0007265615**	CLOSE	GAS CALL BKR 10W	4	9/2/2007	56636	56636	0.0	9/2/2007
FACILITY Long Description:	GC	**0007251394**	CLOSE	GAS CALL BKR 10W	4	9/1/2007	18979	18979	0.0	9/1/2007
FACILITY Long Description:	GC	**0007218740**	CLOSE	GAS CALL BKR 10W	4	8/26/2007	18979	18979	0.0	8/26/2007
FACILITY Long Description:	GC	**0007213324**	CLOSE	GAS CALL BKR 10W	4	8/20/2007	01795	01795	0.0	8/20/2007
FACILITY Long Description:	GC	**0007133738**	CLOSE	GAS CALL BKR 10W	4	7/24/2007	01795	01795	0.0	7/24/2007
FACILITY Long Description:	GC	**0007131495**	CLOSE	GAS CALL BKR 10W	4	7/22/2007	18979	18979	0.0	7/22/2007
FACILITY Long Description:	GC	**0007125545**	CLOSE	GAS CALL BKR 10W	4	7/17/2007	01795	01795	0.0	7/17/2007
FACILITY Long Description:	GC	**0007113101**	CLOSE	GAS CALL BKR 10W	4	7/6/2007	56636	56636	0.0	7/6/2007
FACILITY Long Description:	GC	**0007049630**	CLOSE	GAS CALL BKR 10W	4	6/25/2007	56636	56636	0.0	6/25/2007
FACILITY Long Description:	GC	**0007044919**	CLOSE	GAS CALL BKR 10W	4	6/22/2007	18979	18979	0.0	6/22/2007
FACILITY Long Description:	GC	**0007035727**	CLOSE	GAS CALL BKR 10W	4	6/19/2007	01795	01795	0.0	6/19/2007
FACILITY Long Description:	GC	**0007019092**	CLOSE	GAS CALL BKR 10W	4	6/7/2007	56636	56636	0.0	6/7/2007

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MAXIMO REPORT: EQUIPMENT HISTORY

Station: FARRAGUT **Equipment: BKR-0002243** **FARR-CIRCUIT BREAKER-10W**

RESP AREA	WORK TYPE	WORK NUMBER	STATUS	DESCRIPTION	PRTY	REPORT DATE	REPORTED BY	SUPV	HRS	ACTUAL FINISH
FACILITY Long Description:	GC	**0007015421**	CLOSE	GAS CALL BKR 10W	4	6/6/2007	18979	18979	0.0	6/6/2007
FACILITY Long Description:	GC	**0007006697**	CLOSE	GAS CALL BKR 10W	4	6/3/2007	18979	18979	0.0	6/3/2007
FACILITY Long Description:	GC	**0006960218**	CLOSE	GAS CALL BKR 10W	4	5/31/2007	01795	01795	0.0	5/31/2007
FACILITY Long Description:	GC	**0006947697**	CLOSE	GAS CALL BKR 10W	4	5/24/2007	01795	01795	0.0	5/24/2007
FACILITY Long Description:	CMP	**0006938199**	CLOSE	0500-02 DEW POINT TESTING BKR 10W	4	5/17/2007	MAXADMIN	12977	0.0	9/26/2007
FACILITY Long Description:	GC	**0006936966**	CLOSE	GAS CALL BKR 10W	2	5/16/2007	01795	01795	0.0	5/16/2007
FACILITY Long Description:	GC	**0006931441**	CLOSE	GAS CALL BKR 10W	4	5/13/2007	18979	18979	0.0	6/3/2007
PLNGRP Long Description:	OSS	**0006919546**	WAPPR	PERFORM OVERHAUL	9	5/3/2007	85180		0.0	
FACILITY Long Description:	GC	**0006827988**	CLOSE	GAS CALL BKR 10W	4	4/28/2007	56636	56636	0.0	4/28/2007
FACILITY Long Description:	GC	**0006825871**	CLOSE	GAS CALL BKR 10W	2	4/26/2007	01795	01795	0.0	4/26/2007
FACILITY Long Description:	GC	**0006818563**	CLOSE	GAS CALL BKR 10W	4	4/19/2007	01795	01795	0.0	4/19/2007
FACILITY Long Description:	GC	**0006811102**	CLOSE	GAS CALL BKR 10W	4	4/13/2007	18979	18979	0.0	4/13/2007
FACILITY Long Description:	GC	**0006809123**	CLOSE	GAS CALL BKR 10W	4	4/11/2007	01795	01795	0.0	4/11/2007
FACILITY Long Description:	GC	**0006806290**	CLOSE	GAS CALL BKR 10W	4	4/8/2007	18979	18979	0.0	4/8/2007

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MAXIMO REPORT: EQUIPMENT HISTORY

Station: FARRAGUT **Equipment: BKR-0002243** **FARR-CIRCUIT BREAKER-10W**

RESP AREA	WORK TYPE	WORK NUMBER	STATUS	DESCRIPTION	PRTY	REPORT DATE	REPORTED BY	SUPV	HRS	ACTUAL FINISH
FACILITY Long Description:	GC	**0006797906**	CLOSE	GAS CALL BKR 10W	4	4/4/2007	01795	01795	0.0	4/4/2007
FACILITY Long Description:	GC	**0006722213**	CLOSE	GAS CALL BKR 10W	4	3/25/2007	18979	18979	0.0	3/25/2007
FACILITY Long Description:	GC	**0006718302**	CLOSE	GAS CALL BKR 10W	4	3/21/2007	18979	18979	0.0	3/21/2007
FACILITY Long Description:	GC	**0006711734**	CLOSE	GAS CALL BKR 10W	2	3/17/2007	01795	01795	0.0	3/17/2007
FACILITY Long Description:	GC	**0006711397**	CLOSE	GAS CALL BKR 10W	4	3/16/2007	01795	01795	0.0	3/16/2007
FACILITY Long Description:	GC	**0006707854**	CLOSE	GAS CALL BKR 10W	2	3/15/2007	01795	01795	0.0	3/15/2007
FACILITY Long Description:	GC	**0006696579**	CLOSE	GAS CALL BKR 10W	2	3/10/2007	18979	18979	0.0	3/10/2007
FACILITY Long Description:	GC	**0006690084**	CLOSE	GAS CALL BKR 10W	2	3/6/2007	01795	01795	0.0	3/6/2007
FACILITY Long Description:	GC	**0006686574**	CLOSE	GAS CALL BKR 10W	2	3/4/2007	01795	01795	0.0	3/4/2007
FACILITY Long Description:	CMP	**0006652119**	CLOSE	0500-28 SUMMERIZATION INSP BKR 10W	2	3/1/2007	MAXADMIN	17090	3.0	5/11/2007
FACILITY Long Description:	GC	**0006545870**	CLOSE	GAS CALL BKR 10W	2	2/3/2007	56636	56636	0.0	2/3/2007
FACILITY Long Description:	GC	**0006496622**	CLOSE	GAS CALL BKR 10W	2	1/29/2007	01795	01795	0.0	1/29/2007
FACILITY Long Description:	GC	**0006491425**	CLOSE	GAS CALL BKR 10W	2	1/28/2007	01795	01795	0.0	1/28/2007
FACILITY Long Description:	GC	**0006486143**	CLOSE	GAS CALL BKR 10W	2	1/23/2007	01795	01795	0.0	1/23/2007

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MAXIMO REPORT: EQUIPMENT HISTORY

Station: FARRAGUT **Equipment: BKR-0002243** **FARR-CIRCUIT BREAKER-10W**

RESP AREA	WORK TYPE	WORK NUMBER	STATUS	DESCRIPTION	PRTY	REPORT DATE	REPORTED BY	SUPV	HRS	ACTUAL FINISH
FACILITY Long Description:	GC	**0006479094**	CLOSE	GAS CALL BKR 10W	2	1/20/2007	56636	56636	0.0	1/20/2007
FACILITY Long Description:	GC	**0006460223**	CLOSE	GAS CALL BKR 10W	2	1/13/2007	56636	56636	0.0	1/13/2007
FACILITY Long Description:	GC	**0006450697**	CLOSE	GAS CALL BKR 10W	2	1/7/2007	52177	52177	0.0	1/7/2007
FACILITY Long Description:	GC	**0006390863**	CLOSE	GAS CALL BKR 10W	2	12/29/2006	18979	18979	0.0	12/29/2006
FACILITY Long Description:	GC	**0006388702**	CLOSE	GAS CALL BKR 10W	2	12/26/2006	01795	01795	0.0	12/26/2006
FACILITY Long Description:	GC	**0006387359**	CLOSE	GAS CALL BKR 10W	2	12/24/2006	01795	01795	0.0	12/24/2006
FACILITY Long Description:	GC	**0006371287**	CLOSE	GAS CALL BKR 10W	2	12/19/2006	01795	01795	0.0	12/19/2006
FACILITY Long Description:	GC	**0006365639**	CLOSE	GAS CALL BKR 10W	2	12/15/2006	56636	56636	0.0	12/15/2006
FACILITY Long Description:	GC	**0006361586**	CLOSE	GAS CALL BKR 10W	2	12/12/2006	18979	18979	0.0	12/12/2006
FACILITY Long Description:	GC	**0006357987**	CLOSE	GAS CALL BKR 10W	2	12/9/2006	18979	18979	0.0	12/9/2006
FACILITY Long Description:	GC	**0006280015**	CLOSE	GAS CALL BKR 10W	2	11/21/2006	56636	56636	0.0	11/21/2006
FACILITY Long Description:	GC	**0006277574**	CLOSE	GAS CALL BKR 10W	2	11/19/2006	01795	01795	0.0	11/19/2006
FACILITY Long Description:	GC	**0006252458**	CLOSE	GAS CALL BKR 10W	2	11/15/2006	08468	08468	0.0	11/15/2006
FACILITY Long Description:	GC	**0006250406**	CLOSE	GAS CALL BKR 10W	2	11/13/2006	01795	01795	0.0	11/13/2006

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MAXIMO REPORT: EQUIPMENT HISTORY

Station: FARRAGUT **Equipment: BKR-0002243** **FARR-CIRCUIT BREAKER-10W**

RESP AREA	WORK TYPE	WORK NUMBER	STATUS	DESCRIPTION	PRTY	REPORT DATE	REPORTED BY	SUPV	HRS	ACTUAL FINISH
FACILITY Long Description:	GC	**0006245778**	CLOSE	GAS CALL BKR 10W	2	11/8/2006	18979	18979	0.0	11/8/2006
FACILITY Long Description:	GC	**0006245684**	CLOSE	GAS CALL BKR 10W	2	11/8/2006	18979	18979	0.0	11/8/2006
FACILITY Long Description:	GC	**0006238437**	CLOSE	GAS CALL BKR 10W	2	11/2/2006	56636	56636	0.0	11/2/2006
FACILITY Long Description:	GC	**0006174168**	CLOSE	GAS CALL BKR 10W	2	10/28/2006	01795	01795	0.0	10/28/2006
FACILITY Long Description:	GC	**0006172203**	CLOSE	GAS CALL BKR 10W	2	10/26/2006	01795	01795	0.0	10/26/2006
FACILITY Long Description:	GC	**0006162659**	CLOSE	GAS CALL BKR 10W	2	10/17/2006	01795	01795	0.0	10/17/2006
FACILITY Long Description:	GC	**0006157415**	CLOSE	GAS CALL BKR 10W	2	10/15/2006	01795	01795	0.0	10/15/2006
FACILITY Long Description:	GC	**0006152222**	CLOSE	GAS CALL BKR 10W	2	10/10/2006	82191	82191	0.0	10/10/2006
FACILITY Long Description:	GC	**0006145010**	CLOSE	GAS CALL BKR 10W	2	10/4/2006	18979	18979	0.0	10/4/2006
FACILITY Long Description:	GC	**0006140524**	CLOSE	GAS CALL BKR 10W	2	10/3/2006	18979	18979	0.0	10/3/2006
FACILITY Long Description:	GC	**0006086335**	CLOSE	GAS CALL BKR 10W	2	9/30/2006	01795	01795	0.0	9/30/2006
FACILITY Long Description:	CMP	**0006072414**	CLOSE	0500-28 BKR WINTERIZATION INSP 10W	2	9/30/2006	MAXADMIN	49539	1.0	10/13/2006
FACILITY Long Description:	GC	**0006058994**	CLOSE	GAS CALL BKR 10W	2	9/23/2006	01795	01795	0.0	9/23/2006
FACILITY Long Description:	GC	**0006056960**	CLOSE	GAS CALL BKR 10W	2	9/21/2006	01795	01795	0.0	9/21/2006

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MAXIMO REPORT: EQUIPMENT HISTORY

Station: FARRAGUT **Equipment: BKR-0002243** **FARR-CIRCUIT BREAKER-10W**

RESP AREA	WORK TYPE	WORK NUMBER	STATUS	DESCRIPTION	PRTY	REPORT DATE	REPORTED BY	SUPV	HRS	ACTUAL FINISH
FACILITY Long Description:	GC	**0006050030**	CLOSE	GAS CALL BKR 10W	2	9/16/2006	18979	18979	0.0	9/16/2006
FACILITY Long Description:	GC	**0006049187**	CLOSE	GAS CALL BKR 10W	2	9/15/2006	18979	18979	0.0	9/15/2006
FACILITY Long Description:	GC	**0006045742**	CLOSE	GAS CALL BKR 10W	2	9/12/2006	56636	56636	0.0	9/12/2006
FACILITY Long Description:	GC	**0006032232**	CLOSE	GAS CALL BKR 10W	2	9/5/2006	08468	08468	0.0	9/5/2006
FACILITY Long Description:	GC	**0005969357**	CLOSE	GAS CALL BKR 10W	2	8/28/2006	18979	18979	0.0	8/28/2006
FACILITY Long Description:	GC	**0005952952**	CLOSE	GAS CALL BKR 10W	2	8/17/2006	87752	87752	0.0	8/17/2006
FACILITY Long Description:	GC	**0005930624**	CLOSE	GAS CALL BKR 10W	2	8/6/2006	01795	01795	0.0	8/6/2006
FACILITY Long Description:	GC	**0005930285**	CLOSE	GAS CALL BKR 10W	2	8/4/2006	18979	18979	0.0	8/4/2006
FACILITY Long Description:	GC	**0005926234**	CLOSE	GAS CALL BKR 10W	2	8/2/2006	01795	01795	0.0	8/2/2006
FACILITY Long Description:	GC	**0005848134**	CLOSE	GAS CALL BKR 10W	2	7/14/2006	01795	01795	0.0	7/14/2006
FACILITY Long Description:	GC	**0005847236**	CLOSE	GAS CALL BKR 10W	2	7/12/2006	52177	52177	0.0	7/12/2006
FACILITY Long Description:	GC	**0005837639**	CLOSE	GAS CALL BKR 10W	2	7/7/2006	18979	18979	0.0	7/7/2006
FACILITY Long Description:	GC	**0005833060**	CLOSE	GAS CALL BKR 10W	2	7/5/2006	01795	01795	0.0	7/5/2006
FACILITY Long Description:	GC	**0005828331**	CLOSE	GAS CALL BKR 10W	2	7/2/2006	01795	01795	0.0	7/2/2006

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MAXIMO REPORT: EQUIPMENT HISTORY

Station: FARRAGUT **Equipment: BKR-0002243** **FARR-CIRCUIT BREAKER-10W**

RESP AREA	WORK TYPE	WORK NUMBER	STATUS	DESCRIPTION	PRTY	REPORT DATE	REPORTED BY	SUPV	HRS	ACTUAL FINISH
FACILITY Long Description:	GC	**0005754777**	CLOSE	GAS CALL BKR 10W	2	6/19/2006	18979	18979	0.0	7/7/2006
FACILITY Long Description:	GC	**0005743105**	CLOSE	GAS CALL BKR 10W	2	6/15/2006	01795	01795	0.0	6/15/2006
FACILITY Long Description:	GC	**0005734762**	CLOSE	GAS CALL BKR 10W	2	6/10/2006	01795	01795	0.0	6/10/2006
FACILITY Long Description:	GC	**0005733388**	CLOSE	GAS CALL BKR 10W	2	6/8/2006	01795	01795	0.0	6/8/2006
FACILITY Long Description:	GC	**0005721826**	CLOSE	GAS CALL BKR 10W	2	6/3/2006	18979	18979	0.0	6/3/2006
FACILITY Long Description:	GC	**0005712566**	CLOSE	GAS CALL BKR 10W	2	6/1/2006	18979	18979	0.0	6/1/2006
FACILITY Long Description:	GC	**0005674632**	CLOSE	GAS CALL BKR 10W	2	5/31/2006	01795	01795	0.0	5/31/2006
FACILITY Long Description:	GC	**0005653906**	CLOSE	GAS CALL BKR 10W	2	5/28/2006	01795	01795	0.0	5/28/2006
FACILITY Long Description:	GC	**0005647822**	CLOSE	GAS CALL BKR 10W	2	5/23/2006	07269	07269	0.0	5/23/2006
FACILITY Long Description:	GC	**0005641850**	CLOSE	GAS CALL BKR 10W	2	5/17/2006	18979	18979	0.0	5/17/2006
FACILITY Long Description:	GC	**0005633552**	CLOSE	GAS CALL BKR 10W	2	5/12/2006	01795	01795	0.0	5/12/2006
FACILITY Long Description:	GC	**0005615514**	CLOSE	GAS CALL BKR 10W	2	5/6/2006	01795	01795	0.0	5/6/2006
FACILITY Long Description:	GC	**0005614206**	CLOSE	GAS CALL BKR 10W	2	5/4/2006	01795	01795	0.0	5/4/2006
FACILITY Long Description:	GC	**0005551601**	CLOSE	GAS CALL BKR 10W	2	4/28/2006	18979	18979	0.0	4/29/2006

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MAXIMO REPORT: EQUIPMENT HISTORY

Station: FARRAGUT **Equipment: BKR-0002243** **FARR-CIRCUIT BREAKER-10W**

RESP AREA	WORK TYPE	WORK NUMBER	STATUS	DESCRIPTION	PRTY	REPORT DATE	REPORTED BY	SUPV	HRS	ACTUAL FINISH
FACILITY Long Description:	GC	**0005542919**	CLOSE	GAS CALL BKR 10W	2	4/23/2006	01795	01795	0.0	4/23/2006
FACILITY Long Description:	GC	**0005533904**	CLOSE	GAS CALL BKR 10W	2	4/18/2006	01795	01795	0.0	4/18/2006
FACILITY Long Description:	GC	**0005526534**	CLOSE	GAS CALL BKR 10W	2	4/12/2006	56636	56636	0.0	4/12/2006
FACILITY Long Description:	GC	**0005526528**	CLOSE	GAS CALL BKR 10W	2	4/12/2006	56636	56636	0.0	4/12/2006
FACILITY Long Description:	GC	**0005522087**	CLOSE	GAS CALL BKR 10W	2	4/11/2006	18979	18979	0.0	4/11/2006
FACILITY Long Description:	GC	**0005518049**	CLOSE	GAS CALL BKR 10W	2	4/8/2006	56636	56636	0.0	4/8/2006
FACILITY Long Description:	GC	**0005513916**	CLOSE	GAS CALL BKR 10W	2	4/6/2006	01795	01795	0.0	4/6/2006
FACILITY Long Description:	GC	**0005505927**	CLOSE	GAS CALL BKR 10W	2	4/1/2006	52177	52177	0.0	4/1/2006
FACILITY Long Description:	GC	**0005451977**	CLOSE	GAS CALL BKR 10W	2	3/30/2006	01795	01795	0.0	3/30/2006
FACILITY Long Description:	GC	**0005448846**	CLOSE	GAS CALL BKR 10W	2	3/28/2006	56636	56636	0.0	3/28/2006
FACILITY Long Description:	GC	**0005439618**	CLOSE	GAS CALL BKR 10W	2	3/22/2006	56636	56636	0.0	3/22/2006
FACILITY Long Description:	GC	**0005434675**	CLOSE	GAS CALL BKR 10W	2	3/19/2006	18979	18979	0.0	3/19/2006
FACILITY Long Description:	GC	**0005430995**	CLOSE	GAS CALL BKR 10W	2	3/16/2006	18979	18979	0.0	3/16/2006
FACILITY Long Description:	GC	**0005417339**	CLOSE	GAS CALL BKR 10W	2	3/12/2006	52177	52177	0.0	3/12/2006

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RESP AREA	WORK TYPE	WORK NUMBER	STATUS	DESCRIPTION	PRTY	REPORT DATE	REPORTED BY	SUPV	HRS	ACTUAL FINISH
FACILITY Long Description:	GC	**0005412786**	CLOSE	GAS CALL BKR 10W	2	3/8/2006	18979	18979	0.0	3/8/2006
FACILITY Long Description:	GC	**0005402940**	CLOSE	GAS CALL BKR 10W	2	3/6/2006	18979	18979	0.0	3/6/2006
FACILITY Long Description:	GC	**0005399915**	CLOSE	GAS CALL BKR 10W	2	3/4/2006	01795	01795	0.0	3/4/2006
FACILITY Long Description:	GC	**0005398354**	CLOSE	GAS CALL BKR 10W	2	3/2/2006	56636	56636	0.0	3/2/2006
FACILITY Long Description:	RET	**0005398158**	INPRG	BKR-0002243 GCB 10W OVERHAUL (RETIREMENT PORTION)	2	3/2/2006	12977		0.0	
FACILITY Long Description:	OH	**0005398137**	CLOSE	BKR-0002243 GCB 10W OVERHAUL	4	3/2/2006	12977		2137.5	10/21/2007
FACILITY Long Description:	CMP	**0005338764**	CLOSE	0500-28 BKR SUMMERIZATION INSP 10W	2	2/28/2006	MAXADMIN	49539	2.0	4/26/2006
FACILITY Long Description:	GC	**0005309743**	CLOSE	GAS CALL BKR 10W	2	2/27/2006	52177	52177	0.0	2/27/2006
FACILITY Long Description:	GC	**0005281564**	CLOSE	GAS CALL BKR 10W	2	2/15/2006	01795	01795	0.0	2/15/2006
FACILITY Long Description:	GC	**0005270373**	CLOSE	GAS CALL BKR 10W	2	2/12/2006	18979	18979	0.0	2/12/2006
FACILITY Long Description:	GC	**0005247330**	CLOSE	GAS CALL BKR 10W	2	2/2/2006	56636	56636	0.0	2/2/2006
FACILITY Long Description:	GC	**0005190865**	CLOSE	GAS CALL BKR 10W	2	1/29/2006	18979	18979	0.0	1/29/2006
FACILITY Long Description:	GC	**0005170794**	CLOSE	GAS CALL BKR 10W	2	1/17/2006	56636	56636	0.0	1/17/2006
FACILITY Long Description:	GC	**0005167543**	CLOSE	GAS CALL BKR 10W	2	1/14/2006	18979	18979	0.0	1/14/2006

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Station: FARRAGUT **Equipment: BKR-0002243** **FARR-CIRCUIT BREAKER-10W**

RESP AREA	WORK TYPE	WORK NUMBER	STATUS	DESCRIPTION	PRTY	REPORT DATE	REPORTED BY	SUPV	HRS	ACTUAL FINISH
FACILITY Long Description:	GC	**0005161935**	CLOSE	GAS CALL BKR 10W	2	1/8/2006	18979	18979	0.0	1/8/2006
FACILITY Long Description:	GC	**0005083731**	CLOSE	GAS CALL BKR 10W	2	12/28/2005	18979	18979	0.0	12/28/2005
FACILITY Long Description:	GC	**0005080043**	CLOSE	GAS CALL BKR 10W	2	12/27/2005	18979	18979	0.0	12/27/2005
FACILITY Long Description:	GC	**0005070674**	CLOSE	GAS CALL BKR 10W	2	12/20/2005	18979	18979	0.0	12/20/2005
FACILITY Long Description:	GC	**0005065637**	CLOSE	GAS CALL BKR 10W	2	12/16/2005	56636	56636	0.0	12/16/2005
FACILITY Long Description:	GC	**0005058711**	CLOSE	GAS CALL BKR 10W	2	12/12/2005	56636	56636	0.0	12/12/2005
FACILITY Long Description:	GC	**0005028582**	CLOSE	GAS CALL BKR 10W	2	12/10/2005	56636	56636	0.0	12/11/2005
FACILITY Long Description:	GC	**0005022842**	CLOSE	GAS CALL BKR 10W	2	12/6/2005	56636	56636	0.0	12/6/2005
FACILITY Long Description:	GC	**0005017080**	CLOSE	GAS CALL BKR 10W	2	12/3/2005	18979	18979	0.0	12/3/2005
FACILITY Long Description:	GC	**0005013305**	CLOSE	GAS CALL BKR 10W	2	12/2/2005	18979	18979	0.0	12/2/2005
FACILITY Long Description:	GC	**0004943957**	CLOSE	GAS CALL BKR 10W	2	11/25/2005	56636	56636	0.0	11/25/2005
FACILITY Long Description:	GC	**0004943785**	CLOSE	GAS CALL BKR 10W	2	11/24/2005	56636	56636	0.0	11/24/2005
FACILITY Long Description:	GC	**0004942834**	CLOSE	GAS CALL BKR 10W	2	11/23/2005	18979	18979	0.0	11/23/2005
FACILITY Long Description:	GC	**0004940790**	CLOSE	GAS CALL BKR 10W	2	11/21/2005	18979	18979	0.0	11/21/2005

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Station: FARRAGUT **Equipment: BKR-0002243** **FARR-CIRCUIT BREAKER-10W**

RESP AREA	WORK TYPE	WORK NUMBER	STATUS	DESCRIPTION	PRTY	REPORT DATE	REPORTED BY	SUPV	HRS	ACTUAL FINISH
FACILITY Long Description:	GC	**0004940199**	CLOSE	GAS CALL BKR 10W	2	11/19/2005	56636	56636	0.0	11/19/2005
FACILITY Long Description:	GC	**0004939686**	CLOSE	GAS CALL BKR 10W	2	11/18/2005	56636	56636	0.0	11/18/2005
FACILITY Long Description:	GC	**0004939513**	CLOSE	GAS CALL BKR 10W	2	11/18/2005	56636	56636	0.0	11/18/2005
FACILITY Long Description:	GC	**0000350341**	CLOSE	GAS CALL BKR 10W	2	11/8/2005	56636	56636	0.0	11/8/2005
FACILITY Long Description:	GC	**0000349975**	CLOSE	GAS CALL BKR 10W	2	11/7/2005	56636	56636	0.0	11/7/2005
FACILITY Long Description:	GC	**0000349685**	CLOSE	GAS CALL BKR 10W	2	11/5/2005	56636	56636	0.0	11/5/2005
FACILITY Long Description:	GC	**0000349411**	CLOSE	GAS CALL BKR 10W	2	11/3/2005	18979	18979	0.0	11/3/2005
FACILITY Long Description:	GC	**0000347206**	CLOSE	GAS CALL BKR 10W	2	10/31/2005	01795	01795	0.0	10/31/2005
FACILITY Long Description:	GC	**0000345532**	CLOSE	GAS CALL BKR 10W	2	10/28/2005	18979	18979	0.0	10/28/2005
FACILITY Long Description:	GC	**0000344449**	CLOSE	GAS CALL BKR 10W	2	10/22/2005	56636	56636	0.0	10/22/2005
FACILITY Long Description:	GC	**0000344355**	CLOSE	GAS CALL BKR 10W	2	10/20/2005	56636	56636	0.0	10/20/2005
FACILITY Long Description:	GC	**0000344280**	CLOSE	GAS CALL BKR 10W	2	10/20/2005	56636	56636	0.0	10/20/2005
FACILITY Long Description:	GC	**0000343829**	CLOSE	GAS CALL BKR 10W	2	10/14/2005	01795	01795	0.0	10/14/2005
FACILITY Long Description:	GC	**0000343222**	CLOSE	GAS CALL BKR 10W	2	10/8/2005	01795	01795	0.0	10/8/2005

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Station: FARRAGUT **Equipment: BKR-0002243** **FARR-CIRCUIT BREAKER-10W**

RESP AREA	WORK TYPE	WORK NUMBER	STATUS	DESCRIPTION	PRTY	REPORT DATE	REPORTED BY	SUPV	HRS	ACTUAL FINISH
FACILITY Long Description:	GC	**0000342864**	CLOSE	GAS CALL BKR 10W	2	10/4/2005	56636	56636	0.0	10/4/2005
FACILITY Long Description:	GC	**0000342710**	CLOSE	GAS CALL BKR 10W	2	10/3/2005	56636	56636	0.0	10/3/2005
FACILITY Long Description:	GC	**0000342481**	CLOSE	GAS CALL BKR 10W	2	10/1/2005	56636	56636	0.0	10/1/2005
FACILITY Long Description:	GC	**0000342461**	CLOSE	GAS CALL BKR 10W	2	10/1/2005	18979	18979	0.0	10/1/2005
FACILITY Long Description:	GC	**0000341991**	CLOSE	GAS CALL BKR 10W	2	9/26/2005	01795	01795	0.0	9/26/2005
FACILITY Long Description:	CMP	**0000341223**	CLOSE	0500-28 BKR WINTERIZATION INSP 10W	2	9/25/2005	PMWOGEN	44583	1.5	11/4/2005
FACILITY Long Description:	GC	**0000339067**	CLOSE	GAS CALL BKR 10W	2	9/21/2005	01795	01795	0.0	9/21/2005
FACILITY Long Description:	GC	**0000338811**	CLOSE	GAS CALL BKR 10W	2	9/19/2005	01795	01795	0.0	9/19/2005
FACILITY Long Description:	GC	**0000336423**	CLOSE	GAS CALL BKR 10W	2	9/3/2005	01795	01795	0.0	9/3/2005
FACILITY Long Description:	GC	**0000336297**	CLOSE	GAS CALL BKR 10W	2	9/1/2005	01795	01795	0.0	9/1/2005
FACILITY Long Description:	GC	**0000333816**	CLOSE	GAS CALL BKR 10W	2	8/24/2005	01795	01795	0.0	8/24/2005
FACILITY Long Description:	GC	**0000333512**	CLOSE	GAS CALL BKR 10W	2	8/21/2005	01795	01795	0.0	8/21/2005
FACILITY Long Description:	GC	**0000332401**	CLOSE	GAS CALL BKR 10W	2	8/10/2005	18979	18979	0.0	8/21/2005
FACILITY Long Description:	GC	**0000327124**	CLOSE	GAS CALL BKR 10W	2	7/12/2005	01795	01795	0.0	7/12/2005

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RESP AREA	WORK TYPE	WORK NUMBER	STATUS	DESCRIPTION	PRTY	REPORT DATE	REPORTED BY	SUPV	HRS	ACTUAL FINISH
FACILITY Long Description:	GC	**0000327121**	CLOSE	GAS CALL BKR 10W	2	7/12/2005	01795	01795	0.0	8/17/2005
FACILITY Long Description:	GC	**0000327120**	CLOSE	GAS CALL BKR 10W	2	7/12/2005	01795	01795	0.0	7/29/2005
FACILITY Long Description:	GC	**0000326779**	CLOSE	GAS CALL BKR 10W	2	7/8/2005	56636	56636	0.0	7/8/2005
FACILITY Long Description:	GC	**0000326341**	CLOSE	GAS CALL BKR 10W	2	7/3/2005	18979	18979	0.0	7/3/2005
FACILITY Long Description:	GC	**0000326194**	CLOSE	GAS CALL BKR 10W	2	6/30/2005	56636	56636	8.0	6/30/2005
FACILITY Long Description:	GC	**0000323901**	CLOSE	GAS CALL BKR 10W	2	6/20/2005	56636	56636	0.0	6/20/2005
FACILITY Long Description:	GC	**0000323783**	CLOSE	GAS CALL BKR 10W	2	6/19/2005	56636	56636	0.0	6/19/2005
FACILITY Long Description:	GC	**0000323381**	CLOSE	GAS CALL BKR 10W	2	6/15/2005	56636	56636	0.0	6/15/2005
FACILITY Long Description:	GC	**0000323282**	CLOSE	GAS CALL BKR 10W	2	6/15/2005	01795	01795	0.0	6/15/2005
FACILITY Long Description:	GC	**0000323186**	CLOSE	GAS CALL BKR 10W	2	6/14/2005	01795	01795	0.0	7/19/2005
FACILITY Long Description:	GC	**0000322633**	CLOSE	GAS CALL BKR 10W	2	6/8/2005	01795	01795	0.0	6/8/2005
FACILITY Long Description:	GC	**0000319437**	CLOSE	GAS CALL BKR 10W	2	5/26/2005	01795	01795	0.0	5/26/2005
FACILITY Long Description:	GC	**0000316618**	CLOSE	GAS CALL BKR 10W	2	5/20/2005	01795	01795	0.0	5/20/2005
FACILITY Long Description:	GC	**0000315742**	CLOSE	GAS CALL BKR 10W	2	5/17/2005	56636	56636	0.0	5/17/2005

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RESP AREA	WORK TYPE	WORK NUMBER	STATUS	DESCRIPTION	PRTY	REPORT DATE	REPORTED BY	SUPV	HRS	ACTUAL FINISH
FACILITY Long Description:	GC	**0000314761**	CLOSE	GAS CALL BKR 10W	2	5/8/2005	01795	01795	0.0	5/8/2005
FACILITY Long Description:	GC	**0000314266**	CLOSE	GAS CALL BKR 10W	2	5/3/2005	01795	01795	0.0	5/3/2005
FACILITY Long Description:	GC	**0000309725**	CLOSE	GAS CALL BKR 10W	2	4/6/2005	01795	01795	0.0	4/6/2005
FACILITY Long Description:	CM	**0000309556**	CLOSE	10 W LEAK CHECK GROUND LEVEL	2	4/4/2005	17366	17090	2.0	4/13/2005
FACILITY Long Description:	GC	**0000308770**	CLOSE	GAS CALL BKR 10W	2	3/30/2005	01795	01795	0.0	3/30/2005
FACILITY Long Description:	GC	**0000305825**	CLOSE	GAS CALL BKR 10W	2	3/19/2005	01795	01795	0.0	3/19/2005
FACILITY Long Description:	GC	**0000303327**	CLOSE	GAS CALL BKR 10W	2	3/5/2005	18979	18979	0.0	3/5/2005
FACILITY Long Description:	GC	**0000302985**	CLOSE	GAS CALL BKR 10W	2	3/2/2005	01795	01795	0.0	3/17/2005
FACILITY Long Description:	GC	**0000302984**	CLOSE	GAS CALL BKR 10W	2	3/2/2005	01795	01795	0.0	3/2/2005
FACILITY Long Description:	CM	**0000302657**	CLOSE	BKR 10W B PHASE SF6 GAS LINE NEEDS SECURING	4	3/1/2005	01795	17366	1.0	4/13/2005
FACILITY Long Description:	CMP	**0000301088**	CLOSE	0500-28 BKR SUMMERIZATION INSP 10W	4	2/25/2005	PMWOGEN	04094	3.0	4/20/2005
FACILITY Long Description:	GC	**0000298488**	CLOSE	GAS CALL BKR 10W	2	2/21/2005	01795	01795	0.0	2/21/2005
FACILITY Long Description:	GC	**0000297549**	CLOSE	GAS CALL BKR 10W	2	2/11/2005	01795	01795	0.0	2/11/2005
FACILITY Long Description:	GC	**0000296970**	CLOSE	GAS CALL BKR 10W	2	2/5/2005	01795	01795	0.0	2/5/2005

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RESP AREA	WORK TYPE	WORK NUMBER	STATUS	DESCRIPTION	PRTY	REPORT DATE	REPORTED BY	SUPV	HRS	ACTUAL FINISH
FACILITY Long Description:	GC	**0000294452**	CLOSE	GAS CALL BKR 10W	2	1/24/2005	01795	01795	0.0	1/24/2005
FACILITY Long Description:	GC	**0000292281**	CLOSE	GAS CALL BKR 10W	2	1/7/2005	18979	18979	0.0	1/7/2005
FACILITY Long Description:	GC	**0000286456**	CLOSE	GAS CALL BKR 10W	2	12/23/2004	18979	18979	0.0	1/7/2005
FACILITY Long Description:	GC	**0000286257**	CLOSE	GAS CALL BKR 10W	2	12/20/2004	56636	56636	0.0	1/4/2005
FACILITY Long Description:	GC	**0000284537**	CLOSE	GAS CALL BKR 10W	2	12/4/2004	01795	01795	0.0	12/4/2004
FACILITY Long Description:	GC	**0000279589**	CLOSE	GAS CALL BKR 10W	2	10/29/2004	01795	01795	0.0	10/29/2004
FACILITY Long Description:	GC	**0000276713**	CLOSE	GAS CALL BKR 10W	2	10/16/2004	56636	56636	0.0	10/17/2004
FACILITY Long Description:	GC	**0000276497**	CLOSE	GAS CALL BKR 10W	2	10/13/2004	01795	01795	0.0	10/13/2004
FACILITY Long Description:	GC	**0000276364**	CLOSE	GAS CALL BKR 10W	2	10/11/2004	01795	01795	0.0	10/11/2004
FACILITY Long Description:	GC	**0000275604**	CLOSE	GAS CALL BKR 10W	2	10/1/2004	01795	01795	0.0	10/1/2004
FACILITY Long Description:	GC	**0000275017**	CLOSE	GAS CALL BKR 10W	2	9/26/2004	18979	18979	0.0	9/26/2004
FACILITY Long Description:	CMP	**0000274447**	CLOSE	0500-28 BKR WINTERIZATION INSP 10W	4	9/25/2004	PMWOGEN	85803	2.0	10/29/2004
FACILITY Long Description:	GC	**0000272570**	CLOSE	GAS CALL BKR 10W	2	9/24/2004	01795	01795	0.0	9/24/2004
FACILITY Long Description:	GC	**0000270962**	CLOSE	GAS CALL BKR 10W	2	9/6/2004	18979	18979	0.0	9/6/2004

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RESP AREA	WORK TYPE	WORK NUMBER	STATUS	DESCRIPTION	PRTY	REPORT DATE	REPORTED BY	SUPV	HRS	ACTUAL FINISH
FACILITY Long Description:	GC	**0000268659**	CLOSE	GAS CALL BKR 10W	2	8/25/2004	18979	18979	0.0	9/4/2004
FACILITY Long Description:	GC	**0000268019**	CLOSE	GAS CALL BKR 10W	2	8/14/2004	56636	56636	0.0	8/14/2004
FACILITY Long Description:	GC	**0000266334**	CLOSE	GAS CALL BKR 10W	2	8/2/2004	01795	01795	0.0	8/2/2004
FACILITY Long Description:	GC	**0000265280**	CLOSE	GAS CALL BKR 10W	2	7/25/2004	18979	18979	0.0	7/25/2004
FACILITY Long Description:	GC	**0000263014**	CLOSE	GAS CALL BKR 10W	2	7/3/2004	18979	18979	0.0	7/3/2004
FACILITY Long Description:	CM	**0000262629**	CLOSE	BKR 10W STAIRS AND PLATFORM NEED RELAMPING	5	6/29/2004	01795	17366	14.0	7/27/2004
FACILITY Long Description:	GC	**0000262235**	CLOSE	GAS CALL BKR 10W	2	6/27/2004	01795	01795	0.0	6/27/2004
FACILITY Long Description:	GC	**0000255420**	CLOSE	GAS CALL BKR 10W	2	5/23/2004	01795	01795	1.0	5/23/2004
FACILITY Long Description:	CM	**0000254117**	CLOSE	0500-28 BKR SUMMERIZATION INSP 10W	4	5/6/2004	12977	87168	1.5	5/6/2004
FACILITY Long Description:	GC	**0000251702**	CLOSE	GAS CALL BKR 10W	2	4/21/2004	56636	56636	0.0	4/21/2004
FACILITY Long Description:	GC	**0000251573**	CLOSE	GAS CALL BKR 10W	2	4/19/2004	01795	01795	0.0	4/19/2004
FACILITY Long Description:	GC	**0000250662**	CLOSE	GAS CALL BKR 10W	2	4/6/2004	18979	18979	0.0	4/6/2004
FACILITY Long Description:	GC	**0000248468**	CLOSE	GAS CALL BKR 10W	2	3/20/2004	18979	18979	0.0	3/20/2004
FACILITY Long Description:	GC	**0000248285**	CLOSE	GAS CALL BKR 10W	2	3/17/2004	01795	01795	0.0	3/17/2004

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RESP AREA	WORK TYPE	WORK NUMBER	STATUS	DESCRIPTION	PRTY	REPORT DATE	REPORTED BY	SUPV	HRS	ACTUAL FINISH
FACILITY Long Description:	GC	**0000248035**	CLOSE	GAS CALL BKR 10W	2	3/15/2004	56636	56636	0.0	3/15/2004
FACILITY Long Description:	GC	**0000247234**	CLOSE	GAS CALL BKR 10W	2	3/3/2004	18979	18979	0.0	3/3/2004
FACILITY Long Description:	GC	**0000246031**	CLOSE	GAS CALL BKR 10W	2	3/1/2004	18979	18979	0.0	3/1/2004
FACILITY Long Description:	CMP	**0000245763**	CLOSE	0500-28 BKR SUMMERIZATION INSP 10W	4	2/28/2004	PMWOGEN	87168	1.5	5/3/2004
FACILITY Long Description:	GC	**0000243179**	CLOSE	GAS CALL BKR 10W	2	2/21/2004	01795	01795	0.0	2/21/2004
FACILITY Long Description:	GC	**0000242871**	CLOSE	GAS CALL BKR 10W	2	2/16/2004	56636	56636	0.0	2/16/2004
FACILITY Long Description:	GC	**0000242704**	CLOSE	GAS CALL BKR 10W	2	2/12/2004	18979	18979	0.0	2/12/2004
FACILITY Long Description:	GC	**0000242543**	CLOSE	GAS CALL BKR 10W	2	2/9/2004	56636	56636	0.0	2/9/2004
FACILITY Long Description:	GC	**0000242491**	CLOSE	GAS CALL BKR 10W	2	2/8/2004	01795	01795	0.0	2/8/2004
FACILITY Long Description:	GC	**0000242074**	CLOSE	GAS CALL BKR 10W	2	1/30/2004	56636	56636	0.0	1/30/2004
FACILITY Long Description:	GC	**0000241415**	CLOSE	GAS CALL BKR 10W	2	1/26/2004	18979	18979	0.0	1/26/2004
FACILITY Long Description:	GC	**0000240236**	CLOSE	GAS CALL BKR 10W	2	1/24/2004	01795	01795	0.0	3/25/2004
FACILITY Long Description:	GC	**0000240087**	CLOSE	GAS CALL BKR 10W	2	1/22/2004	01795	01795	0.0	1/22/2004
FACILITY Long Description:	GC	**0000239801**	CLOSE	GAS CALL BKR 10W	2	1/15/2004	01795	01795	0.0	1/15/2004

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MAXIMO REPORT: EQUIPMENT HISTORY

Station: FARRAGUT **Equipment: BKR-0002243** **FARR-CIRCUIT BREAKER-10W**

RESP AREA	WORK TYPE	WORK NUMBER	STATUS	DESCRIPTION	PRTY	REPORT DATE	REPORTED BY	SUPV	HRS	ACTUAL FINISH
FACILITY Long Description:	GC	**0000239400**	CLOSE	GAS CALL BKR 10W	2	1/10/2004	18979	18979	0.0	1/10/2004
FACILITY Long Description:	GC	**0000239239**	CLOSE	GAS CALL BKR 10W	2	1/8/2004	18979	18979	0.0	1/8/2004
FACILITY Long Description:	GC	**0000239170**	CLOSE	GAS CALL BKR 10W	2	1/6/2004	01795	01795	0.0	1/6/2004
FACILITY Long Description:	GC	**0000239015**	CLOSE	GAS CALL BKR 10W	2	1/4/2004	01795	01795	0.0	1/4/2004
FACILITY Long Description:	GC	**0000237113**	CLOSE	GAS CALL BKR 10W	2	12/22/2003	18979	18979	0.0	12/22/2003
FACILITY Long Description:	GC	**0000237090**	CLOSE	GAS CALL BKR 10W	2	12/20/2003	56636	56636	0.0	12/20/2003
FACILITY Long Description:	GC	**0000235590**	CLOSE	GAS CALL BKR 10W	2	12/3/2003	56636	56636	0.0	12/3/2003
FACILITY Long Description:	GC	**0000235584**	CLOSE	GAS CALL BKR 10W	2	12/3/2003	01795	01795	0.0	12/3/2003
FACILITY Long Description:	GC	**0000234281**	CLOSE	GAS CALL BKR 10W	2	11/30/2003	18979	18979	0.0	11/30/2003
FACILITY Long Description:	GC	**0000232885**	CLOSE	GAS CALL BKR 10W	2	11/25/2003	01795	01795	0.0	11/25/2003
FACILITY Long Description:	GC	**0000232657**	CLOSE	GAS CALL BKR 10W	2	11/20/2003	52177	52177	0.0	11/20/2003
FACILITY Long Description:	GC	**0000232239**	CLOSE	GAS CALL BKR 10W	2	11/13/2003	01795	01795	0.0	11/13/2003
FACILITY Long Description:	GC	**0000232046**	CLOSE	GAS CALL BKR 10W	2	11/9/2003	01795	01795	0.0	11/9/2003
FACILITY Long Description:	GC	**0000229586**	CLOSE	GAS CALL BKR 10W	2	10/28/2003	56636	56636	0.0	10/28/2003

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MAXIMO REPORT: EQUIPMENT HISTORY

Station: FARRAGUT **Equipment: BKR-0002243** **FARR-CIRCUIT BREAKER-10W**

RESP AREA	WORK TYPE	WORK NUMBER	STATUS	DESCRIPTION	PRTY	REPORT DATE	REPORTED BY	SUPV	HRS	ACTUAL FINISH
FACILITY Long Description:	GC	**0000229297**	CLOSE	GAS CALL BKR 10W	2	10/26/2003	01795	01795	0.0	10/26/2003
FACILITY Long Description:	GC	**0000228349**	CLOSE	GAS CALL BKR 10W	2	10/20/2003	01795	01795	0.0	10/20/2003
FACILITY Long Description:	GC	**0000228279**	CLOSE	GAS CALL BKR 10W	2	10/17/2003	56636	56636	0.0	10/17/2003
FACILITY Long Description:	GC	**0000228087**	CLOSE	GAS CALL BKR 10W	2	10/15/2003	85629	85629	0.0	10/15/2003
FACILITY Long Description:	GC	**0000227627**	CLOSE	GAS CALL BKR 10W	2	10/13/2003	18979	18979	0.0	10/13/2003
FACILITY Long Description:	GC	**0000227489**	CLOSE	GAS CALL BKR 10W	2	10/10/2003	01795	01795	0.0	10/10/2003
FACILITY Long Description:	CMP	**0000226950**	CLOSE	0500-28 BKR SUMM/WINT INSP 10W	2	10/3/2003	12977	49539	2.0	10/21/2003
FACILITY Long Description:	GC	**0000226438**	CLOSE	GAS CALL BKR 10W	2	10/2/2003	01795	01795	0.0	10/2/2003
FACILITY Long Description:	GC	**0000225851**	CLOSE	GAS CALL BKR 10W	2	9/29/2003	56636	56636	0.0	9/29/2003
FACILITY Long Description:	GC	**0000224537**	CLOSE	GAS CALL BKR 10W	2	9/26/2003	18979	18979	0.0	9/26/2003
FACILITY Long Description: **found minor leaks on B phase manifold and compression fittings , tighten 9-24-03**	CM	**0000224253**	CLOSE	10W LEAK CHECK SF6 GAS	2	9/23/2003	12977	17366	16.0	9/24/2003
FACILITY Long Description:	GC	**0000224240**	CLOSE	GAS CALL BKR 10W	2	9/23/2003	01795	01795	0.0	9/23/2003
FACILITY Long Description:	GC	**0000224100**	CLOSE	GAS CALL BKR 10W	2	9/20/2003	21099	21099	8.0	9/20/2003
FACILITY Long Description:	GC	**0000223615**	CLOSE	GAS CALL BKR 10W	2	9/17/2003	01795	01795	8.0	9/17/2003

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MAXIMO REPORT: EQUIPMENT HISTORY

Station: FARRAGUT **Equipment: BKR-0002243** **FARR-CIRCUIT BREAKER-10W**

RESP AREA	WORK TYPE	WORK NUMBER	STATUS	DESCRIPTION	PRTY	REPORT DATE	REPORTED BY	SUPV	HRS	ACTUAL FINISH
FACILITY Long Description:	GC	**0000222791**	CLOSE	GAS CALL BKR 10W	2	9/5/2003	56636	56636	0.0	9/5/2003
FACILITY Long Description:	GC	**0000221934**	CLOSE	GAS CALL BKR 10W	2	9/2/2003	18979	18979	0.0	9/2/2003
FACILITY Long Description:	GC	**0000220683**	CLOSE	GAS CALL BKR 10W	2	8/25/2003	56636	56636	0.0	8/25/2003
FACILITY Long Description:	GC	**0000220260**	CLOSE	GAS CALL BKR 10W	2	8/17/2003	18979	18979	8.0	8/17/2003
FACILITY Long Description:	GC	**0000219501**	CLOSE	GAS CALL BKR 10W	2	8/8/2003	56636	56636	0.0	8/8/2003
FACILITY Long Description:	GC	**0000218792**	CLOSE	GAS CALL BKR 10W	2	8/4/2003	18979	18979	0.0	8/4/2003
FACILITY Long Description:	GC	**0000218480**	CLOSE	GAS CALL BKR 10W	2	8/1/2003	56636	56636	0.0	8/1/2003
FACILITY Long Description:	GC	**0000217657**	CLOSE	GAS CALL BKR 10W	2	7/29/2003	18979	18979	0.0	7/29/2003
FACILITY Long Description:	GC	**0000216966**	CLOSE	GAS CALL BKR 10W	2	7/22/2003	56636	56636	0.0	7/22/2003
FACILITY Long Description:	GC	**0000216418**	CLOSE	GAS CALL BKR 10W	2	7/15/2003	86012	86012	0.0	7/15/2003
FACILITY Long Description:	GC	**0000216128**	CLOSE	GAS CALL BKR 10W	2	7/10/2003	18979	18979	0.0	7/10/2003
FACILITY Long Description:	GC	**0000214812**	CLOSE	GAS CALL BKR 10W	2	7/3/2003	56636	56636	0.0	7/3/2003
FACILITY Long Description:	GC	**0000214075**	CLOSE	GAS CALL BKR 10W	2	6/30/2003	18979	18979	0.0	6/30/2003
FACILITY Long Description:	GC	**0000213980**	CLOSE	GAS CALL BKR 10W	2	6/27/2003	56636	56636	0.0	6/27/2003

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MAXIMO REPORT: EQUIPMENT HISTORY

Station: FARRAGUT **Equipment: BKR-0002243** **FARR-CIRCUIT BREAKER-10W**

RESP AREA	WORK TYPE	WORK NUMBER	STATUS	DESCRIPTION	PRTY	REPORT DATE	REPORTED BY	SUPV	HRS	ACTUAL FINISH
FACILITY	CM	**0000213284**	CLOSE	BKR 10W HYDRAULIC FLUID LEAKING FROM VARIOUS FITTINGS IN CABINET	5	6/23/2003	18979	17366	8.0	1/12/2004
Long Description:	**Bkr 10w Leaking from Various Fittings.....Tightened Fittings.....added 3 qts of Hydraulic Fluid. Breaker Back in Service.....1/10/03**									
FACILITY	GC	**0000212350**	CLOSE	GAS CALL BKR 10W	2	6/11/2003	56636	56636	0.0	6/11/2003
Long Description:										
FACILITY	GC	**0000211884**	CLOSE	GAS CALL BKR 10W	2	6/8/2003	18979	18979	0.0	6/8/2003
Long Description:										
FACILITY	GC	**0000211194**	CLOSE	GAS CALL BKR 10W	2	6/2/2003	18979	18979	0.0	6/2/2003
Long Description:										
FACILITY	GC	**0000209698**	CLOSE	GAS CALL BKR 10W	2	5/29/2003	56636	56636	8.0	5/29/2003
Long Description:										
FACILITY	GC	**0000209473**	CLOSE	GAS CALL BKR 10W	2	5/25/2003	18979	18979	0.0	5/25/2003
Long Description:										
FACILITY	GC	**0000209453**	CLOSE	GAS CALL BKR 10W	2	5/24/2003	18979	18979	0.0	5/24/2003
Long Description:										
FACILITY	GC	**0000209325**	CLOSE	GAS CALL BKR 10W	2	5/23/2003	01795	01795	0.0	5/23/2003
Long Description:										
FACILITY	GC	**0000208714**	CLOSE	GAS CALL BKR 10W	2	5/15/2003	01795	01795	0.0	5/15/2003
Long Description:										
FACILITY	GC	**0000208394**	CLOSE	GAS CALL BKR 10W	2	5/9/2003	18979	18979	16.0	5/14/2003
Long Description:										
FACILITY	GC	**0000207805**	CLOSE	GAS CALL BKR 10W	2	5/4/2003	18516	18516	0.0	5/4/2003
Long Description:										
FACILITY	GC	**0000205523**	CLOSE	GAS CALL BKR 10W	2	4/23/2003	56636	56636	0.0	4/23/2003
Long Description:										
FACILITY	GC	**0000205243**	CLOSE	GAS CALL BKR 10W	2	4/20/2003	56636	56636	0.0	4/20/2003
Long Description:										

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MAXIMO REPORT: EQUIPMENT HISTORY

Station: FARRAGUT **Equipment: BKR-0002243** **FARR-CIRCUIT BREAKER-10W**

RESP AREA	WORK TYPE	WORK NUMBER	STATUS	DESCRIPTION	PRTY	REPORT DATE	REPORTED BY	SUPV	HRS	ACTUAL FINISH
FACILITY Long Description:	GC	**0000205138**	CLOSE	GAS CALL BKR 10W	2	4/17/2003	01795	01795	0.0	4/17/2003
FACILITY Long Description:	GC	**0000204325**	CLOSE	GAS CALL BKR 10W	2	4/6/2003	56636	56636	0.0	4/6/2003
FACILITY Long Description:	CMP	**0000203280**	CLOSE	0500-28 BKR SUMM/WINT INSP 10W	2	4/1/2003	14091	12977	2.0	4/21/2003
FACILITY Long Description:	GC	**0000201236**	CLOSE	GAS CALL BKR 10W	2	3/22/2003	56636	56636	0.0	3/22/2003
FACILITY Long Description:	GC	**0000198504**	CLOSE	GAS CALL BKR 10W	2	3/3/2003	18826	56636	16.0	9/21/2006
FACILITY Long Description:	GC	**0000196844**	CLOSE	GAS CALL BKR 10W	2	2/10/2003	56636	56636	0.0	2/10/2003
FACILITY Long Description:	GC	**0000196720**	CLOSE	GAS CALL BKR 10W	2	2/7/2003	18516		0.0	2/10/2003
FACILITY Long Description:	GC	**0000196719**	CLOSE	GAS CALL BKR 10W	2	2/7/2003	18516		0.0	2/10/2003
FACILITY Long Description:	GC	**0000196406**	CLOSE	GAS CALL BKR 10W	2	2/4/2003	18979	18979	0.0	2/4/2003
FACILITY Long Description:	GC	**0000194503**	CLOSE	GAS CALL GCB/FX-22D 10W	2	1/28/2003	56636		0.0	1/31/2003
FACILITY Long Description:	GC	**0000194312**	CLOSE	GAS CALL GCB/FX-22D 10W	2	1/24/2003	18979		0.0	1/31/2003
FACILITY Long Description:	GC	**0000193987**	CLOSE	GAS CALL GCB/FX-22D 10W	2	1/21/2003	56636		0.0	1/31/2003
FACILITY Long Description:	GC	**0000193964**	CLOSE	GAS CALL GCB/FX-22D 10W	2	1/20/2003	01795		0.0	1/31/2003
FACILITY Long Description:	GC	**0000192511**	CLOSE	GAS CALL GCB/FX-22D 10W	2	1/7/2003	18979		0.0	1/31/2003

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MAXIMO REPORT: EQUIPMENT HISTORY

Station: FARRAGUT **Equipment: BKR-0002243** **FARR-CIRCUIT BREAKER-10W**

RESP AREA	WORK TYPE	WORK NUMBER	STATUS	DESCRIPTION	PRTY	REPORT DATE	REPORTED BY	SUPV	HRS	ACTUAL FINISH
FACILITY Long Description:	GC	**0000189939**	CLOSE	GAS CALL GCB/FX-22D 10W	2	12/17/2002	56636		0.0	12/23/2002
FACILITY Long Description:	GC	**0000189713**	CLOSE	GAS CALL GCB/FX-22D 10W	2	12/14/2002	18979		0.0	12/16/2002
FACILITY Long Description:	GC	**0000188883**	CLOSE	GAS CALL GCB/FX-22D 10W	2	12/9/2002	01795		0.0	12/16/2002
FACILITY Long Description:	GC	**0000186115**	CLOSE	GAS CALL GCB/FX-22D 10W	2	11/18/2002	19093		0.0	12/9/2002
FACILITY Long Description:	GC	**0000185658**	CLOSE	GAS CALL GCB/FX-22D 10W	2	11/12/2002	19093		0.0	11/18/2002
FACILITY Long Description:	GC	**0000185657**	CLOSE	GAS CALL GCB/FX-22D 10W	2	11/12/2002	19093		0.0	11/18/2002
FACILITY Long Description:	GC	**0000185435**	CLOSE	GAS CALL GCB/FX-22D 10W	2	11/7/2002	19093		0.0	11/18/2002
FACILITY Long Description:	GC	**0000179808**	CLOSE	GAS CALL GCB/FX-22D 10W	2	10/7/2002	19093		0.0	10/18/2002
FACILITY Long Description:	CMP	**0000178957**	CLOSE	0500-28 BKR SUMM/WINT INSP 10W	2	10/1/2002	14091		1.5	11/25/2002
FACILITY Long Description:	GC	**0000172717**	CLOSE	GAS CALL GCB/FX-22D 10W	2	8/26/2002	19093		0.0	9/9/2002
FACILITY Long Description:	GC	**0000172507**	CLOSE	GAS CALL GCB/FX-22D 10W	2	8/22/2002	19093		0.0	8/23/2002
FACILITY Long Description:	GC	**0000170136**	CLOSE	GAS CALL GCB/FX-22D 10W	2	7/31/2002	19093		0.0	7/31/2002
FACILITY Long Description:	GC	**0000161716**	CLOSE	GAS CALL GCB/FX-22D 10W	2	5/15/2002	19093		0.0	5/21/2002
FACILITY Long Description:	CMP	**0000156357**	CLOSE	0500-28 BKR SUMM/WINT INSP 10W	2	4/4/2002	14091		1.0	4/30/2002

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MAXIMO REPORT: EQUIPMENT HISTORY

Station: FARRAGUT **Equipment: BKR-0002243** **FARR-CIRCUIT BREAKER-10W**

RESP AREA	WORK TYPE	WORK NUMBER	STATUS	DESCRIPTION	PRTY	REPORT DATE	REPORTED BY	SUPV	HRS	ACTUAL FINISH
PROTSYS	SR	**0000154043**	CLOSE	DOBLE TESTING OF 10 W SF6 BKR	5	3/21/2002	17366	17366	16.0	3/25/2002
Long Description:										
FACILITY	CM	**0000153509**	CLOSE	10 W REPAIR SF6 GAS LEAKS	3	3/18/2002	17366	17366	31.5	3/25/2002
Long Description:	**FOUND LEAKS ON A,B,C PH MAINFOLDS REPAIRD HAD REP COME IN TO CHECK LEAKS ALSO NO OTHER LEAKS FOUND (USED SF6 CAMERA**									
FACILITY	FS	**0000153403**	CLOSE	REMOVE AND REPLACE LINKS BREAKER 10W	1	3/18/2002	12977		52.0	3/22/2002
Long Description:										
FACILITY	FS	**0000153402**	CLOSE	BKR- 10W (DT) (TRAINING)	1	3/18/2002	12977		16.0	3/25/2002
Long Description:										
FACILITY	CM	**0000152727**	CLOSE	BREAKER 10W "C" PHASE DEFECTIVE GAS TUBE	3	3/11/2002	56636	17366	6.0	3/13/2002
Long Description:	**CAN'T ADD GAS TO "C" PHASE**									
FACILITY	GC	**0000150495**	CLOSE	GAS CALL GCB/FX-22D 10W	2	2/27/2002	19093		0.0	3/1/2002
Long Description:										
FACILITY	GC	**0000149403**	CLOSE	GAS CALL GCB/FX-22D 10W	2	2/19/2002	19093		0.0	3/1/2002
Long Description:										
FACILITY	GC	**0000148465**	CLOSE	GAS CALL GCB/FX-22D 10W	2	2/8/2002	19093		0.0	2/11/2002
Long Description:										
FACILITY	GC	**0000148020**	CLOSE	GAS CALL GCB/FX-22D 10W	2	2/5/2002	19093		0.0	2/11/2002
Long Description:										
FACILITY	DT	**0000146460**	CLOSE	BKR- 10W (DT)	1	1/29/2002	12977		84.5	3/25/2002
Long Description:										
FACILITY	GC	**0000146144**	CLOSE	GAS CALL GCB/FX-22D 10W	1	1/26/2002	19093		0.0	1/28/2002
Long Description:										
FACILITY	GC	**0000145161**	CLOSE	GAS CALL GCB/FX-22D 10W	1	1/16/2002	19093		0.0	1/28/2002
Long Description:										
FACILITY	GC	**0000143873**	CLOSE	GAS CALL GCB/FX-22D 10W	1	1/4/2002	19093		0.0	1/7/2002
Long Description:										

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MAXIMO REPORT: EQUIPMENT HISTORY

Station: FARRAGUT **Equipment: BKR-0002243** **FARR-CIRCUIT BREAKER-10W**

RESP AREA	WORK TYPE	WORK NUMBER	STATUS	DESCRIPTION	PRTY	REPORT DATE	REPORTED BY	SUPV	HRS	ACTUAL FINISH
FACILITY Long Description:	GC	**0000142235**	CLOSE	GAS CALL GCB/FX-22D 10W	1	12/31/2001	19093		0.0	1/7/2002
FACILITY Long Description:	GC	**0000142064**	CLOSE	GAS CALL GCB/FX-22D 10W	1	12/27/2001	19093		0.0	12/27/2001
FACILITY Long Description:	GC	**0000140834**	CLOSE	GAS CALL GCB/FX-22D 10W	1	12/15/2001	19093		0.0	12/20/2001
FACILITY Long Description:	GC	**0000138177**	CLOSE	GAS CALL GCB/FX-22D 10W	1	11/27/2001	19093		0.0	11/27/2001
FACILITY Long Description:	GC	**0000137629**	CLOSE	GAS CALL GCB/FX-22D 10W	1	11/16/2001	19093		0.0	11/19/2001
FACILITY Long Description:	GC	**0000135090**	CLOSE	GAS CALL- BKR 10W	1	10/29/2001	01795		0.0	10/30/2001
FACILITY Long Description:	GC	**0000134001**	CLOSE	GAS CALL- BKR 10W	1	10/21/2001	18979		0.0	10/26/2001
FACILITY Long Description:	GC	**0000132753**	CLOSE	GAS CALL- BKR 10W	1	10/10/2001	01795		0.0	10/26/2001
FACILITY Long Description:	CMP	**0000130024**	CLOSE	0500-28 BKR SUMM/WINT INSP 10W	1	9/28/2001	14091		1.0	10/25/2001
FACILITY Long Description:	GC	**0000129054**	CLOSE	GAS CALL- BKR 10W	1	9/23/2001	01795		0.0	9/23/2001
FACILITY Long Description:	GC	**0000127133**	CLOSE	GAS CALL- BKR 10W	1	9/2/2001	52177		0.0	9/4/2001
FACILITY Long Description:	GC	**0000125818**	CLOSE	GAS CALL- BKR 10W	1	8/24/2001	56636		0.0	9/4/2001
FACILITY Long Description:	GC	**0000123610**	CLOSE	GAS CALL- BKR 10W	1	8/5/2001	18979		0.0	9/4/2001
FACILITY Long Description:	GC	**0000122016**	CLOSE	GAS CALL- BKR 10W	1	7/26/2001	56636		0.0	7/31/2001

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MAXIMO REPORT: EQUIPMENT HISTORY

Station: FARRAGUT **Equipment: BKR-0002243** **FARR-CIRCUIT BREAKER-10W**

RESP AREA	WORK TYPE	WORK NUMBER	STATUS	DESCRIPTION	PRTY	REPORT DATE	REPORTED BY	SUPV	HRS	ACTUAL FINISH
FACILITY Long Description:	GC	**0000120666**	CLOSE	GAS CALL- BKR 10W	1	7/15/2001	01795		0.0	7/20/2001
FACILITY Long Description:	GC	**0000120665**	CLOSE	GAS CALL- BKR 10W	1	7/15/2001	01795		0.0	7/20/2001
FACILITY Long Description:	GC	**0000120440**	CLOSE	GAS CALL- BKR 10W	1	7/12/2001	01795		0.0	7/20/2001
FACILITY Long Description:	GC	**0000117389**	CLOSE	GAS CALL- BKR 10W	1	6/21/2001	12575		0.0	7/20/2001
FACILITY Long Description:	GC	**0000116457**	CLOSE	GAS CALL- BKR 10W	1	6/9/2001	56681		0.0	7/20/2001
FACILITY Long Description:	GC	**0000113857**	CLOSE	GAS CALL- BKR 10W	1	5/19/2001	56636		0.0	7/20/2001
FACILITY Long Description:	GC	**0000112778**	CLOSE	GAS CALL- BKR 10W	1	5/6/2001	56681		0.0	5/16/2001
FACILITY Long Description:	CMP	**0000112271**	CLOSE	0500-28 BKR SUMM/WINT INSP 10W	1	5/1/2001	14091	06231	1.0	5/30/2001
FACILITY Long Description:	GC	**0000108536**	CLOSE	GAS CALL- BKR 10W	1	4/4/2001	06846		0.0	4/9/2001
FACILITY Long Description:	GC	**0000105348**	CLOSE	GAS CALL- BKR 10W	1	3/24/2001	18979		0.0	4/9/2001
		FOUND AT		**LEFT AT**						
	A PHASE	**80 PSI**		**90 PSI**	**ADDED 20 PSI**					
	B PHASE	**85 PSI**		**90 PSI**						
	C PHASE	**85 PSI**		**90 PSI**						
FACILITY Long Description:	GC	**0000103882**	CLOSE	GAS CALL- BKR 10W	1	3/11/2001	56636		0.0	4/9/2001
FACILITY Long Description:	GC	**0000098557**	CLOSE	GAS CALL- BKR 10W	1	2/17/2001	01795		0.0	2/26/2001

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MAXIMO REPORT: EQUIPMENT HISTORY

Station: FARRAGUT **Equipment: BKR-0002243** **FARR-CIRCUIT BREAKER-10W**

RESP AREA	WORK TYPE	WORK NUMBER	STATUS	DESCRIPTION	PRTY	REPORT DATE	REPORTED BY	SUPV	HRS	ACTUAL FINISH
FACILITY Long Description:	GC	**0000097947**	CLOSE	GAS CALL- BKR 10W	1	2/7/2001	56636		0.0	2/26/2001
FACILITY Long Description:	GC	**0000095747**	CLOSE	GAS CALL- BKR 10W	1	1/26/2001	01795		0.0	2/2/2001
FACILITY Long Description:	GC	**0000093929**	CLOSE	GAS CALL- BKR 10W	1	1/10/2001	01795		0.0	2/2/2001
FACILITY Long Description:	GC	**0000092779**	CLOSE	GAS CALL- BKR 10W	1	1/2/2001	01795		0.0	2/2/2001
FACILITY Long Description:	GC	**0000092137**	CLOSE	GAS CALL GCB/FX-22D 10W	1	12/29/2000	56636		0.0	2/2/2001
FACILITY Long Description:	GC	**0000091746**	CLOSE	FARR-GAS CALL GCB/FX-22D 10W	1	12/23/2000	01795		0.0	12/24/2000
FACILITY Long Description:	GC	**0000089477**	CLOSE	GAS CALL GCB/FX-22D 10W	2	12/20/2000	19093	18516	0.0	2/7/2003
FACILITY Long Description:	GC	**0000088232**	CLOSE	FARR-GAS CALL GCB/FX-22D 10W	1	12/18/2000	01795		0.0	12/20/2000
FACILITY Long Description:	GC	**0000086452**	CLOSE	FARR-GAS CALL GCB/FX-22D 10W	1	12/1/2000	18979		0.0	12/20/2000
FACILITY Long Description:	CMP	**0000078666**	CLOSE	0500-28 BKR SUMM/WINT INSP 10W	1	10/31/2000	14091	06231	6.0	11/13/2000
FACILITY Long Description:	GC	**0000078232**	CLOSE	FARR-GAS CALL GCB/FX-22D 10W	1	10/30/2000	16051		0.0	11/21/2000
FACILITY Long Description:	GC	**0000076065**	CLOSE	FARR-GAS CALL GCB/FX-22D 10W	1	10/4/2000	12575		0.0	10/16/2000
FACILITY Long Description:	CMP	**0000072594**	CLOSE	0500-02 DEW POINT TESTING -BKR 10W	9	9/8/2000	MARSTONG		2.0	9/7/2000
FACILITY Long Description:	GC	**0000070986**	CLOSE	FARR-GAS CALL GCB/FX-22D 10W	1	8/30/2000	12575		0.0	9/5/2000

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MAXIMO REPORT: EQUIPMENT HISTORY

Station: FARRAGUT **Equipment: BKR-0002243** **FARR-CIRCUIT BREAKER-10W**

RESP AREA	WORK TYPE	WORK NUMBER	STATUS	DESCRIPTION	PRTY	REPORT DATE	REPORTED BY	SUPV	HRS	ACTUAL FINISH
FACILITY Long Description:	GC	**0000069854**	CLOSE	FARR-GAS CALL GCB/FX-22D 10W	1	8/15/2000	01795		0.0	9/5/2000
FACILITY Long Description:	GC	**0000069661**	CLOSE	FARR-GAS CALL GCB/FX-22D 10W	1	8/11/2000	12575		0.0	9/5/2000
FACILITY Long Description:	GC	**0000066915**	CLOSE	FARR-GAS CALL GCB/FX-22D 10W	1	7/8/2000	12575		0.0	9/5/2000
FACILITY Long Description:	GC	**0000066914**	CLOSE	FARR-GAS CALL GCB/FX-22D 10W	1	7/8/2000	12575		0.0	9/5/2000
FACILITY Long Description:	GC	**0000065187**	CLOSE	FARR-GAS CALL GCB/FX-22D 10W	1	6/28/2000	ROJASJ		0.0	7/7/2000
FACILITY Long Description:	CMP	**0000062259**	CLOSE	0500-02 DEW POINT TESTING -BKR 10W	9	5/30/2000	14091		1.0	7/28/2000
FACILITY Long Description:	CM	**0000061939**	CLOSE	BREAKER 10W HOT SPOT REPAIR C PHASE LINK CONN TO INTERRUPTER 6 ON 10W9 SIDE	9	5/28/2000	MARSTONG		21.0	5/28/2000
FACILITY Long Description:	GC	**0000054748**	CLOSE	FARR-GAS CALL GCB/FX-22D 10W	1	3/24/2000	12575		0.0	4/17/2000
FACILITY Long Description:	CMP	**0000054634**	CLOSE	0500-28 BKR SUMM/WINT INSP 10W	1	3/23/2000	14091		1.5	5/1/2000
FACILITY Long Description:	GC	**0000048167**	CLOSE	FARR-GAS CALL GCB/FX-22D 10W	1	1/27/2000	01795		0.0	2/24/2000
FACILITY Long Description:	GC	**0000045185**	CLOSE	FARR-GAS CALL GCB/FX-22D 10W	1	12/29/1999	52177		0.0	1/1/2000
FACILITY Long Description:	GC	**0000042710**	CLOSE	FARR-GAS CALL GCB/FX-22D 10W	1	11/30/1999	01795		0.0	12/6/1999
FACILITY Long Description:	GC	**0000040785**	CLOSE	FARR-GAS CALL GCB/FX-22D 10W	1	11/11/1999	ROJASJ		0.0	11/29/1999
FACILITY Long Description:	GC	**0000039218**	CLOSE	FARR-GAS CALL GCB/FX-22D 10W	1	10/28/1999	56636		0.0	11/29/1999

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MAXIMO REPORT: EQUIPMENT HISTORY

Station: FARRAGUT **Equipment: BKR-0002243** **FARR-CIRCUIT BREAKER-10W**

RESP AREA	WORK TYPE	WORK NUMBER	STATUS	DESCRIPTION	PRTY	REPORT DATE	REPORTED BY	SUPV	HRS	ACTUAL FINISH
FACILITY Long Description:	GC	**0000038820**	CLOSE	FARR-GAS CALL GCB/FX-22D 10W	1	10/24/1999	01795		0.0	10/26/1999
FACILITY Long Description:	CMP	**0000037102**	CLOSE	CIR BKRS 10W WINTERIZATION (500-28)	1	10/12/1999	14091		1.5	11/15/1999
FACILITY Long Description:	GC	**0000034724**	CLOSE	FARR-GAS CALL GCB/FX-22D 10W	1	9/26/1999	56636		0.0	9/27/1999
FACILITY Long Description:	GC	**0000032588**	CLOSE	FARR-GAS CALL GCB/FX-22D 10W	1	9/3/1999	ROJASJ		0.0	9/20/1999
FACILITY Long Description:	CM	**0000031033**	CLOSE	BKR 10W GAS LEAK ON B PHASE	9	8/23/1999	56636		2.0	5/28/2000
	noite: also found a phase valve nto holding when shut off, replace b and a phase valves, install new quick valves for chem lab to sample gas when taking dew points on breaker conn sampling l									
FACILITY Long Description:	GC	**0000031032**	CLOSE	FARR-GAS CALL GCB/FX-22D 10W	1	8/23/1999	56636		0.0	9/20/1999
FACILITY Long Description:	GC	**0000030789**	CLOSE	FARR-GAS CALL GCB/FX-22D 10W	1	8/19/1999	56636		0.0	9/20/1999
FACILITY Long Description:	GC	**0000030387**	CLOSE	FARR-GAS CALL GCB/FX-22D 10W	1	8/16/1999	01795		0.0	8/16/1999
FACILITY Long Description:	GC	**0000030041**	CLOSE	FARR-GAS CALL GCB/FX-22D 10W	1	8/12/1999	56636		0.0	8/16/1999
FACILITY Long Description:	GC	**0000029356**	CLOSE	FARR-GAS CALL GCB/FX-22D 10W	1	8/7/1999	51991		0.0	8/9/1999
FACILITY Long Description:	GC	**0000028722**	CLOSE	FARR-GAS CALL GCB/FX-22D 10W	1	8/2/1999	ROJASJ		0.0	8/9/1999
FACILITY Long Description:	GC	**0000028400**	CLOSE	FARR-GAS CALL GCB/FX-22D 10W	1	7/30/1999	01795		0.0	8/9/1999
FACILITY Long Description:	GC	**0000027991**	CLOSE	FARR-GAS CALL GCB/FX-22D 10W	1	7/26/1999	12575		0.0	7/28/1999

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MAXIMO REPORT: EQUIPMENT HISTORY

Station: FARRAGUT **Equipment: BKR-0002243** **FARR-CIRCUIT BREAKER-10W**

RESP AREA	WORK TYPE	WORK NUMBER	STATUS	DESCRIPTION	PRTY	REPORT DATE	REPORTED BY	SUPV	HRS	ACTUAL FINISH
FACILITY Long Description:	GC	**0000027615**	CLOSE	FARR-GAS CALL GCB/FX-22D 10W	1	7/21/1999	51991		0.0	7/28/1999
FACILITY Long Description:	GC	**0000025837**	CLOSE	FARR-GAS CALL GCB/FX-22D 10W	1	7/6/1999	06846		0.0	7/7/1999
FACILITY Long Description:	GC	**0000023121**	CLOSE	FARR-GAS CALL GCB/FX-22D 10W	1	6/11/1999	56636		0.0	6/18/1999
FACILITY Long Description:	CMP	**0000022585**	CLOSE	CIRCUIT BREAKER-10W DEW POINT TESTING (500-02)	9	6/8/1999	14091		2.5	6/18/1999
FACILITY Long Description:	GC	**0000017995**	CLOSE	FARR-GAS CALL GCB/FX-22D 10W	1	5/5/1999	14091		1.0	12/24/2000

462 total work order(s) having 2818.5 hours.

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MAXIMO REPORT: EQUIPMENT HISTORY

Station: FARRAGUT **Equipment: BKR-0002283** **FARR-CIRCUIT BREAKER- 8W **RETIRED****

RESP AREA	WORK TYPE	WORK NUMBER	STATUS	DESCRIPTION	PRTY	REPORT DATE	REPORTED BY	SUPV	HRS	ACTUAL FINISH
AUXSUP Long Description:	CAP	**0006584365**	CLOSE	FARR- BKR 8W- HIPOT AFTER REPLACE BKR NEW	5	2/26/2007	49436	08050	44.0	3/5/2007
FACILITY Long Description:	CAP	**0006577840**	CLOSE	BREAKER 8W INSTALL	5	2/21/2007	12977		78.0	2/28/2007
FACILITY Long Description:	CAP	**0006561213**	CLOSE	BREAKER 8W RETIRE	5	2/12/2007	12977		8.0	6/7/2007
PROTSYS Long Description:	CAP	**0006548437**	CLOSE	FARRAGUT BRK 8W REMOVAL	5	2/5/2007	05804		426.0	2/15/2007
FACILITY Long Description:	CAP	**0006548107**	CLOSE	BREAKER 8W CHECK AND REPAIR SF6 GAS CART RETIRE	5	2/5/2007	12977		356.0	2/12/2007
FACILITY Long Description:	CAP	**0006511376**	CLOSE	DILO CART SET-UP FOR BREAKER 8W	5	1/31/2007	12977		16.0	4/19/2007
FACILITY Long Description:	CAP	**0006497274**	CLOSE	RELOCATE GAS CART PREP BRK 8W REPLACEMENT	5	1/30/2007	12977		8.0	6/7/2007
FACILITY Long Description:	CM	**0006451228**	CLOSE	RELOCATE AIR TRAILERS/BREAKER 8W	5	1/8/2007	12977		44.0	1/13/2007
FACILITY Long Description:	GC	**0006250916**	CLOSE	GAS CALL BKR 8W	2	11/14/2006	01795	01795	0.0	11/14/2006
FACILITY Long Description:	CAP	**0006165191**	CLOSE	BUS SECT 8W CCPD REPLACEMENT	2	10/20/2006	12977		288.0	10/25/2006
FACILITY Long Description:	CMP	**0006072799**	CLOSE	0500-28 BKR WINTERIZATION INSP 8W	2	9/30/2006	MAXADMIN	04767	9.0	10/6/2006
FACILITY Long Description:	GC	**0006045736**	CLOSE	GAS CALL BKR 8W	2	9/12/2006	01795	01795	0.0	9/12/2006
FACILITY Long Description:	GC	**0005837675**	CLOSE	GAS CALL BKR 8W	2	7/7/2006	18979	18979	0.0	7/7/2006

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MAXIMO REPORT: EQUIPMENT HISTORY

Station: FARRAGUT **Equipment: BKR-0002283** **FARR-CIRCUIT BREAKER- 8W **RETIRED****

RESP AREA	WORK TYPE	WORK NUMBER	STATUS	DESCRIPTION	PRTY	REPORT DATE	REPORTED BY	SUPV	HRS	ACTUAL FINISH
FACILITY Long Description:	GC	**0005828377**	CLOSE	GAS CALL BKR 8W	2	7/3/2006	01795	01795	0.0	7/3/2006
FACILITY Long Description:	GC	**0005646724**	CLOSE	GAS CALL BKR 8W	2	5/22/2006	01795	01795	0.0	5/22/2006
FACILITY Long Description:	GC	**0005646712**	CLOSE	GAS CALL BKR 8W	2	5/22/2006	01795	01795	0.0	5/22/2006
FACILITY Long Description:	CMP	**0005355247**	CLOSE	0500-28 BKR SUMMERIZATION INSP 8W	2	2/28/2006	MAXADMIN	10479	3.0	4/11/2006
FACILITY Long Description:	GC	**0005305388**	CLOSE	GAS CALL BKR 8W	2	2/25/2006	01795	01795	0.0	2/25/2006
FACILITY Long Description:	GC	**0005305358**	CLOSE	GAS CALL BKR 8W	2	2/25/2006	01795	01795	0.0	2/25/2006
FACILITY Long Description:	GC	**0005305343**	CLOSE	GAS CALL BKR 8W	2	2/25/2006	01795	01795	0.0	2/25/2006
FACILITY Long Description:	CM	**0005172587**	CLOSE	BREAKER 8W -CHECK HEATERS	5	1/17/2006	12977		7.0	3/1/2006
FACILITY Long Description:	GC	**0004943720**	CLOSE	GAS CALL BKR 8W	2	11/23/2005	56636	56636	0.0	11/23/2005
FACILITY Long Description:	GC	**0000344244**	CLOSE	GAS CALL BKR 8W	2	10/19/2005	01795	01795	0.0	10/19/2005
FACILITY Long Description:	CMP	**0000341238**	CLOSE	0500-28 BKR WINTERIZATION INSP 8W	2	9/25/2005	PMWOGEN	44583	2.5	11/2/2005
FACILITY Long Description:	GC	**0000329299**	CLOSE	GAS CALL BKR 8W	2	7/28/2005	01795	01795	0.0	7/28/2005
FACILITY Long Description:	GC	**0000304467**	CLOSE	GAS CALL BKR 8W	2	3/10/2005	01795	01795	0.0	3/10/2005
FACILITY Long Description:	CMP	**0000301104**	CLOSE	0500-28 BKR SUMMERIZATION INSP 8W	4	2/25/2005	PMWOGEN	04094	2.0	4/20/2005

Redacted

MAXIMO REPORT: EQUIPMENT HISTORY

Station: FARRAGUT **Equipment: BKR-0002283** **FARR-CIRCUIT BREAKER- 8W **RETIRED****

RESP AREA	WORK TYPE	WORK NUMBER	STATUS	DESCRIPTION	PRTY	REPORT DATE	REPORTED BY	SUPV	HRS	ACTUAL FINISH
FACILITY	GC	**0000291343**	CLOSE	GAS CALL BKR 8W	2	12/30/2004	01795	01795	0.0	12/30/2004
Long Description:										
FACILITY	CM	**0000286267**	CLOSE	HOOK UP AND MONITOR TANKER TO MAINTAIN POLE 7 LEAK	3	12/20/2004	17090	17090	26.0	4/13/2005
Long Description:										
FACILITY	DT	**0000277354**	CLOSE	BKR- 8W (DT) DOBLE TESTING HEADS 5& 6 FAILED	3	10/23/2004	17366	17366	60.0	12/15/2004
Long Description:										
PROTSYS	SR	**0000277140**	CLOSE	BKR- 8W_PST DOBLE BKR	3	10/22/2004	88082	17366	48.0	11/9/2004
Long Description:										
FACILITY	GC	**0000277059**	CLOSE	GAS CALL BKR 8W	2	10/21/2004	01795	01795	0.0	10/21/2004
Long Description:										
FACILITY	CMP	**0000274463**	CLOSE	0500-28 BKR WINTERIZATION INSP 8W	4	9/25/2004	PMWOGEN	44583	1.0	10/7/2004
Long Description:										
FACILITY	GC	**0000270967**	CLOSE	GAS CALL BKR 8W	2	9/6/2004	01795	01795	0.0	9/7/2004
Long Description:										
FACILITY	DT	**0000262655**	CLOSE	BKR- 8W (DT)	3	6/30/2004	12977	17366	101.5	10/28/2004
Long Description:										
FACILITY	CM	**0000255387**	CLOSE	8W CHECK & REPAIR CABINET HEATERS NOT WORKING	5	5/21/2004	17366	17366	8.0	6/21/2004
Long Description:										
FACILITY	CM	**0000251771**	CLOSE	ADJUST CASH VALVES 8W A,B, C PHASE	4	4/22/2004	12977	17366	16.0	5/26/2004
Long Description:										
FACILITY	CM	**0000251768**	CLOSE	REPAIR HOT SPOT POLE 4 TUSK 8W	4	4/22/2004	12977	17366	24.0	5/26/2004
Long Description:										
FACILITY	CM	**0000251546**	CLOSE	BKR 8W REPAIR AIR LEAKS	4	4/17/2004	01795	17366	115.5	5/26/2004

Long Description: **Replaced 1 inch check valve in c phase cabinet , 3/4 inch Worcester valve and 3/4 nipple replace low pressure switch bellows . replaced pole # 1 safety**

Air leaks in heads replace interrupters in heads 2 & 3 and resistor switch in head #1

Redacted

MAXIMO REPORT: EQUIPMENT HISTORY

Station: FARRAGUT **Equipment: BKR-0002283** **FARR-CIRCUIT BREAKER- 8W **RETIRED****

RESP AREA	WORK TYPE	WORK NUMBER	STATUS	DESCRIPTION	PRTY	REPORT DATE	REPORTED BY	SUPV	HRS	ACTUAL FINISH
PROTSYS	SR	**0000250567**	CLOSE	BKR 7W - WOULD NOT CLOSE VIA SOCCS	2	4/4/2004	18979		4.0	4/20/2004
Long Description:	**ALSO TOOK 2 ATTEMPTS TO OPEN BKR 7W VIA SOCCS.**									
FACILITY	CM	**0000248610**	CLOSE	CAN'T CLEAR AIR/GAS ALARM AMBER LIGHT OUT IN RELAY HSE. B	2	3/24/2004	56188	17366	7.0	3/25/2004
Long Description:										
FACILITY	CMP	**0000245779**	CLOSE	0500-28 BKR SUMMERIZATION INSP 8W	4	2/28/2004	PMWOGEN	03954	1.0	5/18/2004
Long Description:										
FACILITY	CM	**0000242988**	CLOSE	RELAY HSE "B" CIRC BKR AIR & GAS ALARM: BKR 8W UNKNOWN	5	2/18/2004	56636	17366	6.0	2/24/2004
Long Description:	**found lp pressure switch sticking**									
FACILITY	INFO	**0000239546**	CLOSE	BKR 8W O/A AIR GAS ALARM UP.	5	1/12/2004	72593		0.0	1/12/2004

Long Description: **FARRAGUT**
Event Type Description Start Date End Date Contact
MISC. Bkr 8W O/A 01/09/2004 13:52 01/09/2004 14:33 Shiftmgr
Status Date Note
01/09/2004 13:52 Farragut breaker air gas alarm up. Operator & Supervisor in station. Farragut Substation 345kv breaker 8W open auto. Operator on orders to record & reset relay targets, perform visual inspection.
01/09/2004 14:11 Station Operator & Substation Field Supervisor report no relay targets, breaker pressures appeared normal just prior to trip as observed by Supervisor, breaker on tanker at time of trip out, tank pressure regulator may need adjustment.
01/09/2004 14:33 Station Operator & Substation Field Supervisor report breaker 8W air tank pressure regulator adjusted, all personnel clear, breaker prepared for service.Farragut Substation 345kv breaker 8W cut in.

FACILITY	GC	**0000238807**	CLOSE	GAS CALL BKR 8W	2	12/30/2003	01795	01795	0.0	4/18/2004
Long Description:										
FACILITY	GC	**0000238774**	CLOSE	GAS CALL BKR 8W	2	12/29/2003	01795	01795	0.0	1/24/2004
Long Description:										
FACILITY	GC	**0000238773**	CLOSE	GAS CALL BKR 8W	2	12/29/2003	01795	01795	0.0	12/30/2003
Long Description:										
FACILITY	GC	**0000231930**	CLOSE	GAS CALL BKR 8W	2	11/6/2003	01795	01795	0.0	11/6/2003
Long Description:										
FACILITY	CMP	**0000226966**	CLOSE	0500-28 BKR SUMM/WINT INSP 8W	2	10/3/2003	12977	49539	2.0	10/21/2003
Long Description:										

Redacted

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MAXIMO REPORT: EQUIPMENT HISTORY

Station: FARRAGUT **Equipment: BKR-0002283** **FARR-CIRCUIT BREAKER- 8W **RETIRED****

RESP AREA	WORK TYPE	WORK NUMBER	STATUS	DESCRIPTION	PRTY	REPORT DATE	REPORTED BY	SUPV	HRS	ACTUAL FINISH
FACILITY	GC	**0000204772**	CLOSE	GAS CALL BKR 8W	2	4/12/2003	21099	21099	0.0	4/12/2003
Long Description:										
FACILITY	CMP	**0000203295**	CLOSE	0500-28 BKR SUMM/WINT INSP 8W	2	4/1/2003	14091	12977	3.0	4/21/2003
Long Description:										
FACILITY	CM	**0000196820**	CLOSE	8W REPACE HP AIR HOSE TO TANKER	2	2/10/2003	17366	17366	4.0	3/12/2003
Long Description:										
FACILITY	GC	**0000194837**	CLOSE	GAS CALL ACB/ATB5AY 8W	2	1/30/2003	01795		0.0	1/31/2003
Long Description:										
FACILITY	CM	**0000194253**	CLOSE	8W PLACE ADDITIONAL HEATERS IN CONTROL CAB	2	1/23/2003	17366	17366	10.0	1/23/2003
Long Description: **ADDED EXTRA HEATER IN CONTROLCAB FEEDING LOW SIDE /**										
FACILITY	FM	**0000189948**	CLOSE	SWAP TANKER BREAKER 8W AND REMOVE TRIPOD/TANKER BREAKER 5E	2	12/17/2002	17090	17366	6.0	2/10/2003
Long Description:										
FACILITY	CM	**0000189360**	CLOSE	INVESTIGATE BKR-8W TRIPOUT	2	12/12/2002	48851	17366	8.0	12/27/2002
Long Description: **12/18/02 BREAKER TRIPS 515 TO 520 PSI AIR USED FOR TRIP IS APPROX 80 PSI**										
FACILITY	INFO	**0000189288**	CLOSE	BKR.8W OPEN/AUTO	1	12/11/2002	14091		0.0	12/11/2002

Long Description: **STATION: FARRAGUT**
CURRENT
SCHEDULED PROJECTED
EQUIPMENT TYPE REASON OOS DATE RETURN RETURN DATE
BKR.8W O/A 12/10/0 15:59
DISCREPANCY
STATUS AS OF 12/10/02
15:59 Bkr.8W open/auto, SOCCS Bkr. Air/Gas alarm came up at the same time
Note: Sta. Operator reported Bkr.8w low side pressure was 535psi and the trailer pressure was 545psi. "A" cash valve was adjusted to 560psi.
This breaker has an air from column 7 as of 12/04/02
16:27 Bkr.8W was restored to service
CONTACT PERSON:

FACILITY	GC	**0000189284**	CLOSE	GAS CALL ACB/ATB5AY 8W	2	12/11/2002	01795		0.0	12/16/2002
Long Description:										

Redacted

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MAXIMO REPORT: EQUIPMENT HISTORY

Station: FARRAGUT **Equipment: BKR-0002283** **FARR-CIRCUIT BREAKER- 8W **RETIRED****

RESP AREA	WORK TYPE	WORK NUMBER	STATUS	DESCRIPTION	PRTY	REPORT DATE	REPORTED BY	SUPV	HRS	ACTUAL FINISH
FACILITY Long Description:	GC	**0000180571**	CLOSE	GAS CALL ACB/ATB5AY 8W	2	10/17/2002	19093		0.0	10/18/2002
FACILITY Long Description:	CMP	**0000178973**	CLOSE	0500-28 BKR SUMM/WINT INSP 8W	2	10/1/2002	14091	17366	4.0	11/7/2002
FACILITY Long Description:	GC	**0000174924**	CLOSE	GAS CALL ACB/ATB5AY 8W	2	9/4/2002	19093		0.0	9/9/2002
FACILITY Long Description:	GC	**0000169579**	CLOSE	GAS CALL ACB/ATB5AY 8W	2	7/29/2002	19093		0.0	7/29/2002
FACILITY Long Description:	GC	**0000159013**	CLOSE	GAS CALL ACB/ATB5AY 8W	2	4/27/2002	19093		0.0	5/9/2002
FACILITY Long Description:	CMP	**0000155988**	CLOSE	0500-28 BKR SUMM/WINT INSP 8W	2	4/1/2002	14091		2.0	7/22/2002
FACILITY Long Description:	CM	**0000148844**	CLOSE	BKR 8W AIR LEAK COLUMN#7 INDICATOR BOX	4	2/12/2002	56636	17366	12.0	5/29/2003

LEAKS WHEN COLD WEATHER COMES IN AND DROP CHECK SHOWS 120PSI AN HOUR WHEN WEATHER WARMS UP LEAK STOPS.

HOOKED UP TRIPOD AND TANKER TO LOW SIDE AND LEFT TRIPOD CASHVALVE SET AT 540 PSI SO THAT TANKER WILL FEED LEAK AS NEEDED
NEVILLE/ TITZ 12-4-02 3-11 SHIFT

12/18/02
NO LEAK FOUND IN INDICATOR BOX CHECKED WITH BREAKER IN OPEN AND CLOSED POSITION. FOUND ONE SAFETY LEAKING ON COLUMN # 1 AND REPAIRED

FACILITY Long Description:	CM	**0000148082**	CLOSE	HOOK UP AIR TRAILER TO BREAKER 8W	2	2/5/2002	56636	17366	9.0	5/23/2002
FACILITY Long Description:	GC	**0000146425**	CLOSE	GAS CALL ACB/ATB5AY 8W	1	1/29/2002	19093		0.0	1/31/2002
FACILITY Long Description:	GC	**0000139741**	CLOSE	GAS CALL ACB/ATB5AY 8W	1	12/3/2001	19093		0.0	12/7/2001
FACILITY Long Description:	GC	**0000132755**	CLOSE	GAS CALL- BKR 8W	1	10/10/2001	01795		0.0	10/26/2001

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MAXIMO REPORT: EQUIPMENT HISTORY

Station: FARRAGUT **Equipment: BKR-0002283** **FARR-CIRCUIT BREAKER- 8W **RETIRED****

RESP AREA	WORK TYPE	WORK NUMBER	STATUS	DESCRIPTION	PRTY	REPORT DATE	REPORTED BY	SUPV	HRS	ACTUAL FINISH
FACILITY Long Description:	CMP	**0000130008**	CLOSE	0500-28 BKR SUMM/WINT INSP 8W	1	9/28/2001	14091		2.0	10/24/2001
FACILITY Long Description:	GC	**0000127123**	CLOSE	GAS CALL- BKR 8W	1	9/1/2001	18979		0.0	9/4/2001
FACILITY Long Description:	GC	**0000120116**	CLOSE	GAS CALL- BKR 8W	1	7/7/2001	01795		0.0	7/20/2001
FACILITY Long Description:	GC	**0000112498**	CLOSE	GAS CALL- BKR 8W	1	5/2/2001	18979		0.0	5/4/2001
FACILITY Long Description:	CMP	**0000112285**	CLOSE	0500-28 BKR SUMM/WINT INSP 8W	1	5/1/2001	14091	06231	1.0	5/30/2001
FACILITY Long Description:	GC	**0000098692**	CLOSE	GAS CALL- BKR 8W	1	2/19/2001	01795		0.0	2/26/2001
FACILITY Long Description:	GC	**0000092778**	CLOSE	GAS CALL- BKR 8W	1	1/2/2001	01795		0.0	2/2/2001
FACILITY Long Description:	GC	**0000089461**	CLOSE	GAS CALL ACB/ATB5AY 8W	2	12/20/2000	19093		0.0	2/10/2003
FACILITY Long Description:	CMP	**0000078650**	CLOSE	0500-28 BKR SUMM/WINT INSP 8W	1	10/31/2000	14091	06231	2.0	11/7/2000
FACILITY Long Description:	CMP	**0000072593**	CLOSE	0500-02DEW POINT TESTING BKR 8W	9	9/8/2000	MARSTONG		2.0	9/6/2000
FACILITY Long Description:	GC	**0000071726**	CLOSE	FARR-GAS CALL ACB/ATB5AY 8W	1	9/5/2000	01795		0.0	9/5/2000
FACILITY Long Description:	GC	**0000062906**	CLOSE	FARR-GAS CALL ACB/ATB5AY 8W	1	6/1/2000	01795		0.0	6/5/2000
FACILITY Long Description:	CMP	**0000062249**	CLOSE	0500-02 DEW POINT TESTING -BKR 8W	9	5/30/2000	14091		1.0	7/28/2000
FACILITY Long Description:	CMP	**0000054618**	CLOSE	0500-28 BKR SUMM/WINT INSP 8W	1	3/23/2000	14091		1.0	5/1/2000

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MAXIMO REPORT: EQUIPMENT HISTORY

Station: FARRAGUT **Equipment: BKR-0002283** **FARR-CIRCUIT BREAKER- 8W **RETIRED****

RESP AREA	WORK TYPE	WORK NUMBER	STATUS	DESCRIPTION	PRTY	REPORT DATE	REPORTED BY	SUPV	HRS	ACTUAL FINISH
FACILITY	CM	**0000047225**	CLOSE	BKR 8W AIR & GAS ALARM UNKNOWN	9	1/14/2000	56636		50.0	4/12/2000
Long Description:	**L.S 550 PSI H.S. 2000 PSI COMPRESSORS NOT RUNNING. "A" 38 "B" 38 "C" 37** ***NOTE: SLIGHT AIR LEAK COMING FROM COL# 7 INDICATOR TROUGH NEAR CONTROL CABINET.**									
FACILITY	GC	**0000045274**	CLOSE	FARR-GAS CALL ACB/ATB5AY 8W	1	12/31/1999	01795		0.0	1/1/2000
Long Description:										
FACILITY	GC	**0000038536**	CLOSE	FARR-GAS CALL ACB/ATB5AY 8W	1	10/21/1999	01795		0.0	10/26/1999
Long Description:										
FACILITY	CMP	**0000037086**	CLOSE	CIR BKRS 8W WINTERIZATION (500-28)	1	10/12/1999	14091		1.5	11/15/1999
Long Description:										
FACILITY	CMP	**0000022575**	CLOSE	CIRCUIT BREAKER-8W DEW POINT TESTING (500-02)	9	6/8/1999	14091		3.0	6/18/1999
Long Description:										
FACILITY	GC	**0000022253**	CLOSE	FARR-GAS CALL ACB/ATB5AY 8W	1	6/4/1999	01795		0.0	6/7/1999
Long Description:										
FACILITY	GC	**0000017979**	CLOSE	FARR-GAS CALL ACB/ATB5AY 8W	1	5/5/1999	14091		0.0	12/24/2000
Long Description:										

90 total work order(s) having 1833 hours.

Redacted

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MAXIMO REPORT: EQUIPMENT HISTORY

Station: RAINEY **Equipment: BKR-0002732** **RAINEY-CIRCUIT BREAKER-7W **RETIRED****

RESP AREA	WORK TYPE	WORK NUMBER	STATUS	DESCRIPTION	PRTY	REPORT DATE	REPORTED BY	SUPV	HRS	ACTUAL FINISH
AUXSUP Long Description:	CAP	**0006673979**	CLOSE	RAINEY- BKR 7W- HIPOT AFTER INSTALL OF BKR 7W	3	3/1/2007	49436	18917	50.0	3/11/2007
FACILITY Long Description:	CAP	**0006610427**	CLOSE	INSTALL OF BKR 7W// PULL VAC. ADD SF6 GAS	5	2/28/2007	14952	14952	92.0	3/1/2007
FACILITY Long Description:	GC	**0006491058**	CLOSE	GAS CALL BKR 7W	2	1/27/2007	00165	00165	0.0	1/27/2007
FACILITY Long Description:	GC	**0006487099**	CLOSE	GAS CALL BKR 7W	2	1/24/2007	85828	85828	0.0	1/24/2007
FACILITY Long Description:	GC	**0006457655**	CLOSE	GAS CALL BKR 7W	2	1/10/2007	03848	03848	0.0	1/10/2007
FACILITY Long Description:	GC	**0006383737**	CLOSE	GAS CALL BKR 7W	2	12/21/2006	00165	00165	0.0	12/21/2006
FACILITY Long Description:	CAP	**0006368186**	CLOSE	REMOVAL OF BKR. 7W	5	12/18/2006	14952	14952	592.0	3/15/2007
FACILITY Long Description:	GC	**0006282238**	CLOSE	GAS CALL BKR 7W	2	11/22/2006	01030	01030	0.0	11/29/2006
FACILITY Long Description:	CM	**0006245374**	CLOSE	BKR 7W AIR/GAS ALARM NOT COMING INTO CONTROL RM & SOCKET NOT WORKING	4	11/7/2006	85631	14952	48.0	3/13/2007
FACILITY Long Description:	GC	**0006162009**	CLOSE	GAS CALL BKR 7W	2	10/17/2006	01030	01030	0.0	10/17/2006
FACILITY Long Description:	GC	**0006148897**	CLOSE	GAS CALL BKR 7W	2	10/7/2006	01030	01030	0.0	10/7/2006
FACILITY Long Description:	GC	**0006148891**	CLOSE	GAS CALL BKR 7W	2	10/7/2006	01030	01030	0.0	10/7/2006
FACILITY Long Description:	GC	**0006139630**	CLOSE	GAS CALL BKR 7W	2	10/2/2006	88717	88717	0.0	10/2/2006

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MAXIMO REPORT: EQUIPMENT HISTORY

Station: RAINEY **Equipment: BKR-0002732** **RAINEY-CIRCUIT BREAKER-7W **RETIRED****

RESP AREA	WORK TYPE	WORK NUMBER	STATUS	DESCRIPTION	PRTY	REPORT DATE	REPORTED BY	SUPV	HRS	ACTUAL FINISH
FACILITY Long Description:	CMP	**0006072974**	CLOSE	0500-28 BKR WINTERIZATION INSP 7W	2	9/30/2006	MAXADMIN	28990	2.0	11/18/2006
FACILITY Long Description:	GC	**0006058922**	CLOSE	GAS CALL BKR 7W	2	9/23/2006	88717	88717	0.0	9/23/2006
FACILITY Long Description:	CM	**0006057838**	CLOSE	REPAIR AIR LEAK	3	9/22/2006	14952	14952	20.0	9/27/2006
FACILITY Long Description:	GC	**0006035558**	CLOSE	GAS CALL BKR 7W	2	9/7/2006	14808	14808	0.0	9/7/2006
FACILITY Long Description:	GC	**0005946379**	CLOSE	GAS CALL BKR 7W	2	8/15/2006	14808	14808	0.0	8/15/2006
FACILITY Long Description:	GC	**0005540480**	CLOSE	GAS CALL BKR 7W	2	4/21/2006	03848	03848	0.0	4/21/2006
FACILITY Long Description:	GC	**0005446747**	CLOSE	GAS CALL BKR 7W	2	3/26/2006	85464	85464	0.0	3/26/2006
FACILITY Long Description:	GC	**0005413202**	CLOSE	GAS CALL BKR 7W	2	3/8/2006	85631	85631	0.0	3/8/2006
FACILITY Long Description:	CMP	**0005342399**	CLOSE	0500-28 BKR SUMMERIZATION INSP 7W	2	2/28/2006	MAXADMIN	28990	2.0	4/29/2006
FACILITY Long Description:	GC	**0005268246**	CLOSE	GAS CALL BKR 7W	2	2/8/2006	85464	85464	0.0	2/8/2006
FACILITY Long Description:	CM	**0005259439**	CLOSE	AIR LEAK ON HIGH SIDE FITTING	4	2/3/2006	14952	14952	12.0	2/3/2006
FACILITY Long Description:	GC	**0004943337**	CLOSE	GAS CALL BKR 7W	2	11/23/2005	85464	85464	0.0	11/23/2005
FACILITY Long Description:	CMP	**0000341265**	CLOSE	0500-28 BKR WINTERIZATION INSP 7W	2	9/25/2005	PMWOGEN	28990	2.0	12/6/2005
FACILITY Long Description:	GC	**0000310946**	CLOSE	GAS CALL BKR 7W	2	4/16/2005	85631	85631	0.0	4/16/2005

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MAXIMO REPORT: EQUIPMENT HISTORY

Station: RAINEY **Equipment: BKR-0002732** **RAINEY-CIRCUIT BREAKER-7W **RETIRED****

RESP AREA	WORK TYPE	WORK NUMBER	STATUS	DESCRIPTION	PRTY	REPORT DATE	REPORTED BY	SUPV	HRS	ACTUAL FINISH
FACILITY Long Description:	GC	**0000309042**	CLOSE	GAS CALL BKR 7W	2	3/31/2005	84659	84659	0.0	3/31/2005
FACILITY Long Description:	GC	**0000304527**	CLOSE	GAS CALL BKR 7W	2	3/11/2005	85631	85631	0.0	3/11/2005
FACILITY Long Description:	GC	**0000304505**	CLOSE	GAS CALL BKR 7W	2	3/11/2005	85631	85631	0.0	3/11/2005
FACILITY Long Description:	GC	**0000302334**	CLOSE	GAS CALL BKR 7W	2	2/27/2005	84659	84659	0.0	2/27/2005
FACILITY Long Description:	CMP	**0000301140**	CLOSE	0500-28 BKR SUMMERIZATION INSP 7W	4	2/25/2005	PMWOGEN	28990	2.0	5/15/2005
FACILITY Long Description:	GC	**0000298778**	CLOSE	GAS CALL BKR 7W	2	2/24/2005	84659	84659	0.0	2/24/2005
FACILITY Long Description:	GC	**0000294322**	CLOSE	GAS CALL BKR 7W	2	1/21/2005	84659	84659	0.0	1/21/2005
FACILITY Long Description:	INFO	**0000280929**	CLOSE	345KV BKR 7W OPENED AUTO.	5	11/10/2004	72593		0.0	11/10/2004

RAINEY
Event Type Description Start Date End Date Contact
MISC. 345kv Bkr 7W opened auto. 11/10/2004 03:03 11/10/2004 06:35 Shift Mgr
Status Date Note
11/10/2004 03:03 Bkr 7W opened auto, no alarms, no station grd.s. Operator unable to close and Transmission Operator unable to close Bkr. MTCE responding.
11/10/2004 03:36 Alpha page sent.
11/10/2004 03:40 Station Op. closed Bkr via interposing relay.
11/10/2004 06:21 Bkr 7W O/A. Oper in station. Bkr trouble alarm up. Field Supv Notified. Alpha notification sent.
11/10/2004 06:35 Bkr 7W Restored to service. MTCE in station to check cause of Bkr 7W O/A.

FACILITY Long Description:	DT	**0000280432**	CLOSE	BKR- 7W (DT)	3	11/4/2004	47337	14952	60.0	5/25/2005
FACILITY Long Description:	CMP	**0000274493**	CLOSE	0500-28 BKR WINTERIZATION INSP 7W	4	9/25/2004	PMWOGEN	28990	0.0	12/19/2004
FACILITY Long Description:	GC	**0000267791**	CLOSE	GAS CALL BKR 7W	2	8/11/2004	85631	85631	0.0	8/11/2004

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MAXIMO REPORT: EQUIPMENT HISTORY

Station: RAINEY **Equipment: BKR-0002732** **RAINEY-CIRCUIT BREAKER-7W **RETIRED****

RESP AREA	WORK TYPE	WORK NUMBER	STATUS	DESCRIPTION	PRTY	REPORT DATE	REPORTED BY	SUPV	HRS	ACTUAL FINISH
FACILITY Long Description:	GC	**0000260830**	CLOSE	GAS CALL BKR 7W	2	6/24/2004	20094	20094	0.0	6/24/2004
PROTSYS Long Description:	SR	**0000254905**	CLOSE	RNY-PST-BKR 7W - TRIP CONTROL TROUBLE	2	5/17/2004	29132		8.0	5/18/2004
FACILITY Long Description:	CM	**0000254710**	CLOSE	BKER 7W CAN ONLY BE CLOSED FROM RELAY HOUSE TIMER LIGHT BLINKS IN OPEN POSITION	5	5/13/2004	14368	14952	0.0	1/27/2006
FACILITY Long Description:	CMP	**0000245817**	CLOSE	0500-28 BKR SUMMERIZATION INSP 7W	4	2/28/2004	PMWOGEN	28990	2.0	5/18/2004
FACILITY Long Description:	GC	**0000229257**	CLOSE	GAS CALL BKR 7W	2	10/24/2003	86072	86072	0.0	10/24/2003
FACILITY Long Description:	CM	**0000227159**	CLOSE	REPLACE HINGES ON BKE 7W	4	10/6/2003	08050	08050	8.0	11/19/2003
FACILITY Long Description:	CMP	**0000224810**	CLOSE	0500-28 BKR SUMM/WINT INSP 7W	4	9/29/2003	03710	28990	0.0	5/8/2004
FACILITY Long Description:	GC	**0000216225**	CLOSE	GAS CALL BKR 7W	2	7/11/2003	19201	19201	0.0	7/11/2003
FACILITY Long Description:	CM	**0000211245**	CLOSE	REPAIR OPERATING ROD ON 7W POLE #1	1	6/2/2003	16791	14952	36.0	6/3/2003
FACILITY Long Description:	GC	**0000209628**	CLOSE	GAS CALL BKR 7W	2	5/28/2003	19201	19201	0.0	5/28/2003
FACILITY Long Description:	GC	**0000209627**	CLOSE	GAS CALL BKR 7W	2	5/28/2003	19201	19201	0.0	5/28/2003

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MAXIMO REPORT: EQUIPMENT HISTORY

Station: RAINEY **Equipment: BKR-0002732** **RAINEY-CIRCUIT BREAKER-7W **RETIRED****

RESP AREA	WORK TYPE	WORK NUMBER	STATUS	DESCRIPTION	PRTY	REPORT DATE	REPORTED BY	SUPV	HRS	ACTUAL FINISH
FACILITY	INFO	**0000200902**	CLOSE	BREAKER OPENED AUTO	2	3/18/2003	03710		0.0	12/9/2003

Long Description:

02:25 Rainey Oper reported 38M32, bkr 7W & 8W O/A.
Dispatched Field Supervisor to E75th St.
02:34 Field Supervisor and additional operators are being dispatched to Rainey.
02:40 O/C checked all Rainey PURS plants are in service. Verified with TO that there are no PURS alarms.
02:43 Sent Alpha notification
02:49 Rainey Oper reported relay targets:
Fdr 38M32 1st Line:
CO7 51-1 F7W Fdr over current 38M32 inst. B-phase
CO2 51N-1 F7W Fdr ground over current 38M32 Inst.
MC 86-1/B7W
Fdr 38M32 2nd line:
CO7 51-2 F7W Fdr over current 38M32 inst. B-phase
CO2 51N-2 F7W Fdr ground over current 38M32 Inst.
MC 86-2/B7W
02:50 Dispatched operators E75th St.
02:51 W110 Oper reported relay targets:
TR3: SVT59/T3 Inst.
86-3/T3
TR8: SVT59/T8 Inst.
86-3/T8
02:56 Requested Chemlab for gas-in-oil analysis for E75 bank 1, W110 bank 3 & 8, Rainey bank 7W
03:14 Field Supv. reported E75th St. PP #1 was checked normal.
03:16 Rainey Oper to check PP#8 and 38M32 recording chart.
03:22 Notified U.T. Emergency Duty Supv. of fdr 38M32 O/A.
03:46 Rainey Oper reported 38M32 was isolated (D/S F7-W open and blocked open). Bkr 7W, 8W and bank 7W were restored to service.
04:00 Rainey Oper verified cooling plant C4 was shutdown. PP #8 was checked normal. 38M31, 38M32 and 38M33 pressure were checked normal. Tank level readings were taken and are being compared to the past readings.
04:01 Field Supv reported all affected equipment were checked at Rainey, and found no visual damage.
04:40 Operator reports relay targets 64 SVT/T1 overvoltage O sequence , 86-3/T1. Checking the AGS , show open, no physical damage in pumphouse.
0$:53 Chem. Lab took samples on Tr. 3 & 8 on their way to E75St.

FACILITY	CM	**0000195464**	CLOSE	IN NW RELAY HSE AMBER SOCKET(AIR/ GAS) NEEDS REPAIR UNABLE TO PELACE BULB	2	2/2/2003	19201		16.0	1/12/2005

Long Description:

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Exhibit __ (SIIP-1)
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MAXIMO REPORT: EQUIPMENT HISTORY

Station: RAINEY **Equipment: BKR-0002732** **RAINEY-CIRCUIT BREAKER-7W **RETIRED****

RESP AREA	WORK TYPE	WORK NUMBER	STATUS	DESCRIPTION	PRTY	REPORT DATE	REPORTED BY	SUPV	HRS	ACTUAL FINISH
FACILITY Long Description:	CM	**0000194113**	CLOSE	REPAIR AIR LEAKS	2	1/22/2003	47337		109.0	12/9/2003
FACILITY Long Description:	CM	**0000189723**	CLOSE	345 KV CB TROUBLE NW SECTION FROM 7W BKR	2	12/15/2002	13168		0.0	12/9/2003
FACILITY Long Description:	CMP	**0000187602**	CLOSE	0500-28 BKR SUMM/WINT INSP 7W	2	12/2/2002	03710		1.0	5/12/2003
FACILITY Long Description:	GC	**0000172864**	CLOSE	RAINEY-GAS CALL ACB/ATB5AY 7W	2	8/27/2002	20094		0.0	10/25/2002
AUXSUP Long Description: **replaced gaskets on sec stage intake and exhuast**	CM	**0000171487**	CLOSE	BKR 7W POLE 3 AIR COMP NOT SATISFYING HISH SIDE 2000PSI	3	8/8/2002	20094		4.0	8/8/2002
FACILITY Long Description:	GC	**0000171443**	CLOSE	RAINEY-GAS CALL ACB/ATB5AY 7W	2	8/8/2002	20094		0.0	8/9/2002
FACILITY Long Description:	CM	**0000166997**	CLOSE	BKR 7 W BULB KEEPS BURNING OUT- BAD SOCKET ON CLOSE INDICATION	5	7/1/2002	85802	85180	0.0	1/12/2005
FACILITY Long Description:	CMP	**0000164348**	CLOSE	0500-28 BKR SUMM/WINT INSP 7W	2	6/4/2002	03710		1.0	7/3/2002
FACILITY Long Description:	CM	**0000163379**	CLOSE	ADJUST GAS ON A AND C PHASE	2	5/30/2002	85180	85180	8.0	6/17/2002
FACILITY Long Description:	CM	**0000144719**	CLOSE	INVESTIGATE ALARM AND MAKE NECESSARY REPAIRS	2	1/10/2002	85180		16.0	2/1/2002
FACILITY Long Description:	CMP	**0000139489**	CLOSE	0500-28 BKR SUMM/WINT INSP 7W	1	12/3/2001	03710		9.0	12/11/2001
FACILITY Long Description:	CM	**0000137373**	CLOSE	GAS ALARM. GAS IS TOO HIGH ON BOTH B-PHASE AND C-PHASE	9	11/14/2001	85180		24.0	2/1/2002
AUXSUP Long Description:	CM	**0000123434**	CLOSE	BOTH COMPRESSORS RUNNING CONT.	9	8/2/2001	14265		31.0	8/9/2001

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MAXIMO REPORT: EQUIPMENT HISTORY

Station: RAINEY **Equipment: BKR-0002732** **RAINEY-CIRCUIT BREAKER-7W **RETIRED****

RESP AREA	WORK TYPE	WORK NUMBER	STATUS	DESCRIPTION	PRTY	REPORT DATE	REPORTED BY	SUPV	HRS	ACTUAL FINISH
FACILITY Long Description:	GC	**0000117253**	CLOSE	GAS CALL- BKR 7W	1	6/19/2001	03710		0.0	8/29/2001
FACILITY Long Description:	CMP	**0000115844**	CLOSE	0500-28 BKR SUMM/WINT INSP 7W	1	6/4/2001	03710		1.0	6/14/2001
FACILITY Long Description:	GC	**0000115064**	CLOSE	GAS CALL- BKR 7W	1	6/1/2001	03710		0.0	8/29/2001
FACILITY Long Description:	CM	**0000110917**	CLOSE	ADJUST CASHE VALVE ON LOWSIDE	9	4/27/2001	85865	85865	15.5	5/10/2001
FACILITY Long Description:	GC	**0000103854**	CLOSE	GAS CALL- BKR 7W	1	3/9/2001	03710		0.0	5/7/2001
FACILITY Long Description:	GC	**0000103853**	CLOSE	GAS CALL- BKR 7W	1	3/9/2001	03710		0.0	5/7/2001
FACILITY Long Description:	GC	**0000095047**	CLOSE	GAS CALL- BKR 7W	1	1/16/2001	14265		0.0	5/7/2001
FACILITY Long Description:	GC	**0000092549**	CLOSE	GAS CALL- BKR 7W	1	1/1/2001	14265		0.0	5/7/2001
FACILITY Long Description:	GC	**0000091132**	CLOSE	RAINEY-GAS CALL ACB/ATB5AY 7W	2	12/22/2000	03710		15.0	2/21/2003
FACILITY Long Description:	CMP	**0000073389**	CLOSE	0500-28 BKR SUMM/WINT INSP 7W	1	9/15/2000	03710		1.0	11/16/2000
FACILITY Long Description:	CMP	**0000058580**	CLOSE	0500-28 BKR SUMM/WINT INSP 7W	1	4/26/2000	03710		0.0	5/31/2000
FACILITY Long Description:	GC	**0000053528**	CLOSE	GAS CALL ACB/ATB5AY 7W	1	3/9/2000	14265		0.0	12/22/2000
FACILITY Long Description:	GC	**0000050285**	CLOSE	GAS CALL ACB/ATB5AY 7W	1	2/17/2000	14265		0.0	12/22/2000
FACILITY Long Description:	GC	**0000049472**	CLOSE	GAS CALL ACB/ATB5AY 7W	1	2/6/2000	05794		0.0	12/22/2000

Redacted

MAXIMO REPORT: EQUIPMENT HISTORY

Station: RAINEY **Equipment: BKR-0002732** **RAINEY-CIRCUIT BREAKER-7W **RETIRED****

RESP AREA	WORK TYPE	WORK NUMBER	STATUS	DESCRIPTION	PRTY	REPORT DATE	REPORTED BY	SUPV	HRS	ACTUAL FINISH
FACILITY Long Description:	GC	**0000039364**	CLOSE	GAS CALL ACB/ATB5AY 7W	1	10/29/1999	14091		0.0	12/22/2000
FACILITY Long Description:	CM	**0000035643**	CLOSE	REPAIR BROKEN ROD 5-7	9	10/1/1999	47337		120.0	2/8/2001
FACILITY Long Description:	CMP	**0000020518**	CLOSE	500-28-CIR BKRS WINTERIZATION IN	1	5/26/1999	98219		0.0	5/26/1999
FACILITY Long Description:	CM	**0000014984**	CLOSE	HORT. ROD BROKEN POLE 9-5	9	3/30/1999	47337		30.5	6/18/1999
FACILITY Long Description:	DT	**0000014560**	CLOSE	RAINEY BKR 7W (ACB)	1	3/22/1999	45769		0.0	5/23/1997
FACILITY Long Description:	CM	**0000010470**	CLOSE	BKR.7W CASH VALVES NEED ADJUSTMENT	9	1/27/1999	04903		0.0	2/16/1999

84 total work order(s) having 1338 hours.

Redacted

MAXIMO REPORT: EQUIPMENT HISTORY

Station: RAINEY **Equipment: BKR-0002735** **RAINEY-CIRCUIT BREAKER-8E **RETIRED)**

RESP AREA	WORK TYPE	WORK NUMBER	STATUS	DESCRIPTION	PRTY	REPORT DATE	REPORTED BY	SUPV	HRS	ACTUAL FINISH
AUXSUP Long Description:	HPOT	**0007667325**	CLOSE	ASM TO HI-POT BREAKER 8E	3	12/28/2007	84305	18917	68.0	1/2/2008
FACILITY Long Description:	CAP	**0007659651**	CLOSE	INSTALL BKR. 8E	5	12/18/2007	14952	14952	96.0	1/15/2008
PROTSYS Long Description:	CAP	**0007551640**	CLOSE	DELAYS - DESIGN ISSUES, WIRING, SWITCHING, EXISTING TRBLE	5	11/13/2007	49736		20.0	12/24/2007
PROTSYS Long Description:	CAP	**0007551617**	CLOSE	BKR 8E INSTALLATION - PST	5	11/13/2007	49736		533.0	1/15/2008
PROTSYS Long Description:	CAP	**0007551593**	CLOSE	BKR 8E RETIREMENT/REMOVAL - PST	5	11/13/2007	49736		82.5	12/12/2007
FACILITY Long Description:	GC	**0007534925**	CLOSE	GAS CALL BKR 8E	4	11/1/2007	04788	04788	0.0	11/1/2007
FACILITY Long Description:	CM	**0007488447**	CLOSE	REPAIR AIR LEAK ON BKR. 8E	5	10/29/2007	14952	14952	46.0	11/1/2007
FACILITY Long Description:	GC	**0007376000**	CLOSE	GAS CALL BKR 8E	2	10/3/2007	09009	09009	0.0	10/3/2007
FACILITY Long Description:	GC	**0007375994**	CLOSE	GAS CALL BKR 8E	2	10/3/2007	03245	03245	0.0	10/3/2007
FACILITY Long Description:	CMP-0	**0007368545**	CLOSE	0500-28 BKR WINTERIZATION INSP 8E	4	10/1/2007	MAXADMIN	28990	0.0	11/13/2007
CONST Long Description:	CAP	**0007205698**	CLOSE	INSTALLATION OF BREAKER 8E	5	8/14/2007	13990	13990	112.0	9/21/2007
FACILITY Long Description:	CAP	**0007205655**	CLOSE	REMOVAL OF BREAKER 8E ——— RAINEY S/S	5	8/14/2007	13990	14952	698.5	12/14/2007
FACILITY Long Description:	GC	**0007199514**	CLOSE	GAS CALL BKR 8E	2	8/11/2007	85828	85828	0.0	8/11/2007
FACILITY Long Description:	GC	**0007198040**	CLOSE	GAS CALL BKR 8E	2	8/9/2007	85828	85828	0.0	8/9/2007

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MAXIMO REPORT: EQUIPMENT HISTORY

Station: RAINEY **Equipment: BKR-0002735** **RAINEY-CIRCUIT BREAKER-8E **RETIRED)**

RESP AREA	WORK TYPE	WORK NUMBER	STATUS	DESCRIPTION	PRTY	REPORT DATE	REPORTED BY	SUPV	HRS	ACTUAL FINISH
ENV Long Description:	DLOIL	**0007139107**	CLOSE	OIL AND WATER MIX FROM SUMPS BREAKER 8E	5	7/27/2007	07317		0.0	2/8/2008
ENV Long Description:	DLNH	**0007139106**	CLOSE	OILY DEBRIS AND BLUE STONE FROM BREAKER 8E	5	7/27/2007	07317		0.0	2/8/2008
ENV Long Description:	DLNH	**0007139105**	CLOSE	OILY DEBRIS AND BLUE STONE FROM BREAKER 8E	5	7/27/2007	07317		0.0	2/8/2008
FACILITY Long Description:	CM	**0007138563**	CLOSE	8E OIL CLEAN UP	5	7/27/2007	52741		8.0	9/4/2007
FACILITY Long Description:	GC	**0007111704**	CLOSE	GAS CALL BKR 8E	2	7/5/2007	85828	85828	0.0	7/5/2007
FACILITY Long Description:	GC	**0007111697**	CLOSE	GAS CALL BKR 8E	2	7/5/2007	85828	85828	0.0	7/5/2007
FACILITY Long Description:	GC	**0007111691**	CLOSE	GAS CALL BKR 8E	2	7/5/2007	85828	85828	0.0	7/5/2007
FACILITY Long Description:	GC	**0006933899**	CLOSE	GAS CALL BKR 8E	2	5/14/2007	86072	86072	0.0	5/14/2007
FACILITY Long Description:	GC	**0006928730**	CLOSE	GAS CALL BKR 8E	2	5/10/2007	86072	86072	0.0	5/10/2007
FACILITY Long Description:	GC	**0006824338**	CLOSE	GAS CALL BKR 8E	2	4/24/2007	86072	86072	0.0	4/24/2007
FACILITY Long Description:	CM	**0006692289**	CLOSE	*TROUBLE JOB* AIR LEAK BKR. 8E	4	3/6/2007	14952	14952	30.0	3/7/2007
FACILITY Long Description:	GC	**0006690795**	CLOSE	GAS CALL BKR 8E	2	3/6/2007	86072	86072	0.0	3/6/2007
FACILITY Long Description:	CMP	**0006647460**	CLOSE	0500-28 BKR SUMMERIZATION INSP 8E	2	2/28/2007	MAXADMIN	28990	2.0	5/12/2007

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MAXIMO REPORT: EQUIPMENT HISTORY

Station: RAINEY **Equipment: BKR-0002735** **RAINEY-CIRCUIT BREAKER-8E **RETIRED)**

RESP AREA	WORK TYPE	WORK NUMBER	STATUS	DESCRIPTION	PRTY	REPORT DATE	REPORTED BY	SUPV	HRS	ACTUAL FINISH
FACILITY Long Description:	GC	**0006578808**	CLOSE	GAS CALL BKR 8E	2	2/22/2007	86072	86072	0.0	2/22/2007
FACILITY Long Description:	GC	**0006487051**	CLOSE	GAS CALL BKR 8E	2	1/24/2007	85828	85828	0.0	1/24/2007
FACILITY Long Description:	GC	**0006457649**	CLOSE	GAS CALL BKR 8E	2	1/10/2007	03848	03848	0.0	1/10/2007
FACILITY Long Description:	GC	**0006383745**	CLOSE	GAS CALL BKR 8E	2	12/21/2006	00165	00165	0.0	12/21/2006
FACILITY Long Description:	GC	**0006356778**	CLOSE	GAS CALL BKR 8E	2	12/8/2006	01030	01030	0.0	12/14/2006
FACILITY Long Description:	GC	**0006288334**	CLOSE	GAS CALL BKR 8E	2	11/29/2006	01030	01030	0.0	11/29/2006
FACILITY Long Description:	GC	**0006282247**	CLOSE	GAS CALL BKR 8E	2	11/22/2006	86072	86072	0.0	11/22/2006
FACILITY Long Description:	GC	**0006247686**	CLOSE	GAS CALL BKR 8E	2	11/11/2006	01030	01030	0.0	11/11/2006
FACILITY Long Description:	GC	**0006166107**	CLOSE	GAS CALL BKR 8E	2	10/22/2006	01030	01030	0.0	10/22/2006
FACILITY Long Description:	GC	**0006157130**	CLOSE	GAS CALL BKR 8E	2	10/14/2006	14808	14808	0.0	10/14/2006
FACILITY Long Description:	GC	**0006148458**	CLOSE	GAS CALL BKR 8E	2	10/6/2006	86072	86072	0.0	10/6/2006
FACILITY Long Description:	CMP	**0006073009**	CLOSE	0500-28 BKR WINTERIZATION INSP 8E	2	9/30/2006	MAXADMIN	28990	2.0	11/18/2006
FACILITY Long Description:	GC	**0006066762**	CLOSE	GAS CALL BKR 8E	2	9/28/2006	85631	85631	0.0	9/28/2006
FACILITY Long Description:	GC	**0006045464**	CLOSE	GAS CALL BKR 8E	2	9/12/2006	88717	88717	0.0	9/12/2006

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MAXIMO REPORT: EQUIPMENT HISTORY

Station: RAINEY **Equipment: BKR-0002735** **RAINEY-CIRCUIT BREAKER-8E **RETIRED)**

RESP AREA	WORK TYPE	WORK NUMBER	STATUS	DESCRIPTION	PRTY	REPORT DATE	REPORTED BY	SUPV	HRS	ACTUAL FINISH
FACILITY Long Description:	GC	**0006045290**	CLOSE	GAS CALL BKR 8E	2	9/12/2006	88717	88717	0.0	9/12/2006
FACILITY Long Description:	GC	**0006033628**	CLOSE	GAS CALL BKR 8E	2	9/5/2006	85828	85828	0.0	9/5/2006
FACILITY Long Description:	GC	**0006031043**	CLOSE	GAS CALL BKR 8E	2	9/3/2006	84659	84659	0.0	9/3/2006
FACILITY Long Description:	GC	**0005952031**	CLOSE	GAS CALL BKR 8E	2	8/16/2006	14808	14808	0.0	8/16/2006
FACILITY Long Description:	GC	**0005722513**	CLOSE	GAS CALL BKR 8E	2	6/4/2006	85464	85464	0.0	6/4/2006
FACILITY Long Description:	GC	**0005540468**	CLOSE	GAS CALL BKR 8E	2	4/21/2006	03848	03848	0.0	4/21/2006
FACILITY Long Description:	GC	**0005529169**	CLOSE	GAS CALL BKR 8E	2	4/13/2006	03848	03848	0.0	4/13/2006
FACILITY Long Description:	GC	**0005432183**	CLOSE	GAS CALL BKR 8E	2	3/18/2006	85464	85464	0.0	3/18/2006
FACILITY Long Description:	GC	**0005414336**	CLOSE	GAS CALL BKR 8E	2	3/9/2006	85464	85464	0.0	3/9/2006
FACILITY Long Description:	CMP	**0005342433**	CLOSE	0500-28 BKR SUMMERIZATION INSP 8E	2	2/28/2006	MAXADMIN	28990	2.0	4/29/2006
FACILITY Long Description:	CM	**0005264368**	CLOSE	REPAIR AIR LEAK ON ATB HEAD # 5	1	2/7/2006	14952	14952	32.0	2/8/2006
FACILITY Long Description:	GC	**0004941906**	CLOSE	GAS CALL BKR 8E	2	11/21/2005	14368	14368	0.0	11/21/2005
FACILITY Long Description:	CM	**0004936969**	CLOSE	BKR. 8E LEAK CHECK	5	11/14/2005	14952	14952	8.0	11/22/2005
FACILITY Long Description:	GC	**0000343793**	CLOSE	GAS CALL BKR 8E	2	10/14/2005	85464	85464	0.0	10/14/2005

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MAXIMO REPORT: EQUIPMENT HISTORY

Station: RAINEY **Equipment: BKR-0002735** **RAINEY-CIRCUIT BREAKER-8E **RETIRED)**

RESP AREA	WORK TYPE	WORK NUMBER	STATUS	DESCRIPTION	PRTY	REPORT DATE	REPORTED BY	SUPV	HRS	ACTUAL FINISH
FACILITY Long Description:	CMP	**0000341266**	CLOSE	0500-28 BKR WINTERIZATION INSP 8E	2	9/25/2005	PMWOGEN	28990	2.0	12/6/2005
FACILITY Long Description:	GC	**0000309934**	CLOSE	GAS CALL BKR 8E	2	4/7/2005	85631	85464	0.0	10/20/2005
FACILITY Long Description:	GC	**0000306215**	CLOSE	GAS CALL BKR 8E	2	3/22/2005	85631	85631	0.0	3/22/2005
FACILITY Long Description:	GC	**0000305635**	CLOSE	GAS CALL BKR 8E	2	3/17/2005	85631	85631	0.0	3/17/2005
FACILITY Long Description:	GC	**0000303612**	CLOSE	GAS CALL BKR 8E	2	3/7/2005	84659	84659	0.0	3/7/2005
FACILITY Long Description:	GC	**0000302303**	CLOSE	GAS CALL BKR 8E	2	2/26/2005	84659	84659	0.0	2/26/2005
FACILITY Long Description:	CMP	**0000301141**	CLOSE	0500-28 BKR SUMMERIZATION INSP 8E	4	2/25/2005	PMWOGEN	28990	2.0	5/15/2005
FACILITY Long Description:	CM	**0000296181**	CLOSE	REPAIR AIR LEAK	2	1/28/2005	14952	14952	60.0	2/9/2005
FACILITY Long Description:	GC	**0000294341**	CLOSE	GAS CALL BKR 8E	2	1/22/2005	84659	84659	0.0	1/22/2005
FACILITY Long Description:	DT	**0000280434**	CLOSE	BKR- 8E (DT)	3	11/4/2004	47337	14952	119.0	10/31/2005
FACILITY Long Description:	CMP	**0000274494**	CLOSE	0500-28 BKR WINTERIZATION INSP 8E	4	9/25/2004	PMWOGEN	28990	0.0	12/20/2004
FACILITY Long Description:	GC	**0000258508**	CLOSE	GAS CALL BKR 8E	2	6/2/2004	85636	85636	0.0	6/2/2004
FACILITY Long Description:	CMP	**0000245818**	CLOSE	0500-28 BKR SUMMERIZATION INSP 8E	4	2/28/2004	PMWOGEN	28990	1.0	5/18/2004
FACILITY Long Description:	GC	**0000243436**	CLOSE	GAS CALL BKR 8E	2	2/26/2004	85631	85631	0.0	2/26/2004

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MAXIMO REPORT: EQUIPMENT HISTORY

Station: RAINEY **Equipment: BKR-0002735** **RAINEY-CIRCUIT BREAKER-8E **RETIRED)**

RESP AREA	WORK TYPE	WORK NUMBER	STATUS	DESCRIPTION	PRTY	REPORT DATE	REPORTED BY	SUPV	HRS	ACTUAL FINISH
FACILITY	CM	**0000239577**	CLOSE	REPAIR AIR LEAK AND INSTALL CASH VALVE IN PARALLEL	2	1/13/2004	14952	14952	65.0	2/9/2004
Long Description:										
FACILITY	GC	**0000234244**	CLOSE	GAS CALL BKR 8E	2	11/28/2003	86072	86072	0.0	11/28/2003
Long Description:										
FACILITY	JUMP	**0000227158**	CLOSE	TEMP JUMPER TAG # 24960	5	10/6/2003	20094	20094	0.0	5/23/2005
Long Description:	**345 KV CIRC BKR NOT CLOSED ALARM IS UP IN THE CONTROL ROOM,IT IS COMING FROM BKR 8E,STUCK AGASTAT**									
FACILITY	CM	**0000227155**	CLOSE	TROUBLESHOOT AND REPAIR 345 CB NOT CLOSE ALARM	2	10/6/2003	08050	08050	24.0	10/17/2003
Long Description:										
FACILITY	CMP	**0000224811**	CLOSE	0500-28 BKR SUMM/WINT INSP 8E	4	9/29/2003	03710	28990	0.0	5/8/2004
Long Description:										
FACILITY	FM	**0000219887**	CLOSE	SWAP AIR TRAILER ON BKR. 8E	5	8/11/2003	14952	14952	8.0	8/12/2003
Long Description:										
FACILITY	GC	**0000216224**	CLOSE	GAS CALL BKR 8E	2	7/11/2003	19201	19201	0.0	7/11/2003
Long Description:										
FACILITY	GC	**0000208673**	CLOSE	GAS CALL BKR 8E	2	5/14/2003	19201	19201	0.0	5/14/2003
Long Description:										
FACILITY	CM	**0000206401**	CLOSE	PERFORM DROP CHECK ON BREAKER	4	4/30/2003	14868	14868	3.0	5/3/2003
Long Description:										
FACILITY	GC	**0000205689**	CLOSE	GAS CALL BKR 8E	2	4/26/2003	19201	19201	0.0	4/26/2003
Long Description:										
FACILITY	GC	**0000197818**	CLOSE	GAS CALL BKR 8E	2	2/24/2003	20094	20094	0.0	2/24/2003
Long Description:										
FACILITY	GC	**0000197397**	CLOSE	GAS CALL BKR 8E	2	2/19/2003	20094	20094	0.0	2/19/2003
Long Description:										
FACILITY	ALARM	**0000194845**	CLOSE	REPAIR AIR LEAKS AND ALARMS	2	1/30/2003	13934		72.0	12/9/2003
Long Description:										

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MAXIMO REPORT: EQUIPMENT HISTORY

Station: RAINEY **Equipment: BKR-0002735** **RAINEY-CIRCUIT BREAKER-8E **RETIRED)**

RESP AREA	WORK TYPE	WORK NUMBER	STATUS	DESCRIPTION	PRTY	REPORT DATE	REPORTED BY	SUPV	HRS	ACTUAL FINISH
FACILITY Long Description:	CM	**0000194379**	CLOSE	BKR 8E LOW AIR ALARM ON LOW SIDE	2	1/24/2003	19201		0.0	12/9/2003
FACILITY Long Description:	CM	**0000194128**	CLOSE	INVESTIGATE TRIPOUT	2	1/22/2003	13934		32.0	12/9/2003
FACILITY Long Description:	GC	**0000192383**	CLOSE	ADDED 15 PSIG TO A PHASE	5	1/6/2003	19006		0.0	2/21/2003
FACILITY Long Description:	GC	**0000190311**	CLOSE	ADDED 10 PSI TO (A) PHASE ON BKR	9	12/20/2002	19006		0.0	12/22/2002
PROTSYS Long Description:	SR	**0000189676**	CLOSE	SUPPORT MAINTENANCE WITH BKR 8E ALARM	3	12/13/2002	49736		20.0	12/31/2002
FACILITY Long Description:	CMP	**0000187603**	CLOSE	0500-28 BKR SUMM/WINT INSP 8E	2	12/2/2002	03710		1.0	5/12/2003
AUXSUP Long Description: **drained sump tank alarm clear 9/23/02**	CM	**0000176324**	CLOSE	BKR 8E POLE 3 NOT RUNNING	2	9/21/2002	20094		20.0	4/14/2003
FACILITY Long Description:	CM	**0000168502**	CLOSE	AIR GAS LIGHT	5	7/12/2002	14368	85180	0.0	12/9/2003
FACILITY Long Description:	ALARM	**0000167842**	CLOSE	LOW AIR ALARM	2	7/4/2002	85180	85180	14.0	7/30/2002
FACILITY Long Description:	CMP	**0000164349**	CLOSE	0500-28 BKR SUMM/WINT INSP 8E	2	6/4/2002	03710		1.0	7/3/2002
AUXSUP Long Description:	CM	**0000156026**	CLOSE	BKR 8E,POLE#3 AIR COMP ,SUMP TANK FULL LIGHT IS ON	3	4/1/2002	20094	39934	4.0	4/22/2002
FACILITY Long Description:	JUMP	**0000154545**	CLOSE	TEMPORARY JUMPER TAG #24823	3	3/26/2002	04903	85180	0.0	1/12/2005
FACILITY Long Description:	GC	**0000152538**	CLOSE	RAINEY-GAS CALL ACB/ATB5AY 8E	2	3/7/2002	03710		0.0	3/12/2002
FACILITY Long Description:	GC	**0000150323**	CLOSE	RAINEY-GAS CALL ACB/ATB5AY 8E	2	2/27/2002	03710		0.0	3/12/2002

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MAXIMO REPORT: EQUIPMENT HISTORY

Station: RAINEY **Equipment: BKR-0002735** **RAINEY-CIRCUIT BREAKER-8E **RETIRED)**

RESP AREA	WORK TYPE	WORK NUMBER	STATUS	DESCRIPTION	PRTY	REPORT DATE	REPORTED BY	SUPV	HRS	ACTUAL FINISH
FACILITY Long Description:	CM	**0000146050**	CLOSE	REBUILD CASH VALVES AND POLE 7 MECH VALVE	9	1/25/2002	04903		127.0	2/1/2002
FACILITY Long Description:	SUPT	**0000143820**	CLOSE	ASSIST PST WITH TROUBLESHOOTING	9	1/3/2002	19332	19332	40.0	1/16/2002
FACILITY Long Description:	CMP	**0000139488**	CLOSE	0500-28 BKR SUMM/WINT INSP 8E	1	12/3/2001	03710		1.0	12/6/2001
FACILITY Long Description:	CM	**0000124737**	CLOSE	AIR LEAK ON BREAKER 8E	9	8/16/2001	85180	85180	10.0	9/5/2001
FACILITY Long Description:	GC	**0000120798**	CLOSE	GAS CALL- BKR 8E	1	7/16/2001	03710		0.0	8/29/2001
FACILITY Long Description:	ALARM	**0000118155**	CLOSE	INVESTIGATING ALARM ON BREAKER 8E	9	6/28/2001	85180	85180	24.0	9/5/2001
FACILITY Long Description:	GC	**0000117265**	CLOSE	GAS CALL- BKR 8E	1	6/19/2001	03710		0.0	8/29/2001
FACILITY Long Description:	CM	**0000116286**	CLOSE	BKR 8E ALL 3 CASH VALVES NEED ADJUSTMENT NOT FEEDING PROPERLY	9	6/6/2001	04903		26.0	1/26/2002
FACILITY Long Description:	CMP	**0000115845**	CLOSE	0500-28 BKR SUMM/WINT INSP 8E	1	6/4/2001	03710		1.0	6/11/2001
FACILITY Long Description:	CM	**0000113203**	CLOSE	BKR 8E GAS LEAK ON POLE SEVEN	9	5/10/2001	18727		136.0	9/18/2001
FACILITY Long Description:	GC	**0000112196**	CLOSE	GAS CALL- BKR 8E	1	5/1/2001	03710		0.0	5/7/2001
FACILITY Long Description:	GC	**0000091121**	CLOSE	RAINEY-GAS CALL ACB/ATB5AY 8E	2	12/22/2000	03710		0.0	2/21/2003
FACILITY Long Description:	CM	**0000089216**	CLOSE	INVESTIGATE AND REPAIR GAS ALARM	9	12/20/2000	85865	85865	8.0	5/8/2001
FACILITY Long Description:	CMP	**0000073388**	CLOSE	0500-28 BKR SUMM/WINT INSP 8E	1	9/15/2000	03710		1.0	11/16/2000

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MAXIMO REPORT: EQUIPMENT HISTORY

Station: RAINEY **Equipment: BKR-0002735** **RAINEY-CIRCUIT BREAKER-8E **RETIRED)**

RESP AREA	WORK TYPE	WORK NUMBER	STATUS	DESCRIPTION	PRTY	REPORT DATE	REPORTED BY	SUPV	HRS	ACTUAL FINISH
FACILITY Long Description:	ALARM	**0000066898**	CLOSE	TROUBLESHOOTING MISCELLANEOUS ALARM	9	7/7/2000	19332	18727	16.0	10/25/2000
FACILITY Long Description:	GC	**0000061374**	CLOSE	GAS CALL ACB/ATB5AY 8E	1	5/17/2000	14265		0.0	12/22/2000
FACILITY Long Description:	ALARM	**0000061189**	CLOSE	ALARM TROUBLE REPAIR	9	5/13/2000	18727		16.0	5/8/2001
FACILITY Long Description:	CMP	**0000058579**	CLOSE	0500-28 BKR SUMM/WINT INSP 8E	1	4/26/2000	03710		0.0	5/31/2000
FACILITY Long Description:	CM	**0000043958**	CLOSE	BREAKER 8E LOW GAS O/A TROUBLESHOOT AND REPAIR	9	12/8/1999	18727	18727	159.0	10/4/2000
FACILITY Long Description:	GC	**0000039400**	CLOSE	GAS CALL ACB/ATB5AY 8E	1	10/29/1999	14091		0.0	12/22/2000
FACILITY Long Description:	CMP	**0000020517**	CLOSE	500-28-CIR BKRS WINTERIZATION IN	1	5/26/1999	98219		0.0	5/26/1999
AUXSUP Long Description:	HPOT	**000014421B**	CLOSE	BKR-0002735 ACB 8E-HI POT	9	5/13/1999	89689	99746	64.0	5/20/1999
FACILITY Long Description:	OH	**0000014421**	CLOSE	BKR-0002735 ACB 8E-OH	1	3/18/1999	45769		2514.5	6/18/1999
FACILITY Long Description:	CM	**0000011280**	CLOSE	RAINEY 345 - REPAIR BKR 8E DRAIN VALVE	9	2/4/1999	45769		0.0	2/16/1999

120 total work order(s) having 5331.5 hours.

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MAXIMO REPORT: EQUIPMENT HISTORY

Station: VERNON **Equipment: BKR-0002764** **VERNON-CIRCUIT BREAKER-2E **RETIRED****

RESP AREA	WORK TYPE	WORK NUMBER	STATUS	DESCRIPTION	PRTY	REPORT DATE	REPORTED BY	SUPV	HRS	ACTUAL FINISH
AUXSUP Long Description:	HPOT	**0007667128**	CLOSE	ASM TO HI-POT BREAKER 2E	3	12/27/2007	84305	18917	48.0	12/28/2007
PROTSYS Long Description:	CAP	**0007585560**	CLOSE	VERNON S/S - BREAKER 2E REPLACEMENT - DISCREPANCY	5	11/29/2007	13130		51.5	1/8/2008
PROTSYS Long Description:	CAP	**0007585530**	CLOSE	VERNON S/S - BREAKER 2E REPLACEMENT - INSTALLATION	9	11/29/2007	13130		678.5	1/17/2008
FACILITY Long Description:	CAP	**0007585481**	CLOSE	VERNON S/S - BREAKER 2E REPLACEMENT - RETIRED	3	11/29/2007	52741		355.5	1/10/2008
FACILITY Long Description:	CAP	**0007581001**	CLOSE	APPLY AND REMOVE PEEL AWAY	5	11/29/2007	14952	14952	44.0	11/30/2007
PROTSYS Long Description:	CAP	**0007579403**	CLOSE	VERNON S/S - BREAKER 2E REPLACEMENT - RETIRED	9	11/29/2007	13130		223.0	12/11/2007
CONST Long Description:	CAP	**0007570964**	CLOSE	INSTALLATION OF BREAKER 2E - VERNON S/S	5	11/21/2007	13990	13990	0.0	1/25/2008
CONST Long Description:	CAP	**0007570940**	CLOSE	REMOVAL OF BREAKER 2E - VERNON S/S	5	11/21/2007	13990	13990	0.0	12/19/2007
FACILITY Long Description:	GC	**0007569469**	CLOSE	GAS CALL BKR 2E	4	11/20/2007	49961	49961	0.0	11/20/2007
FACILITY Long Description:	GC	**0007460579**	CLOSE	GAS CALL BKR 2E	4	10/21/2007	85994	85994	0.0	10/22/2007
FACILITY Long Description:	GC	**0007398553**	CLOSE	GAS CALL BKR 2E	2	10/12/2007	49961	49961	0.0	10/12/2007
FACILITY Long Description:	CMP-0	**0007310772**	CLOSE	0500-28 BKR WINTERIZATION INSP 2E	4	9/30/2007	MAXADMIN	28990	2.0	11/17/2007
FACILITY Long Description:	GC	**0007298936**	CLOSE	GAS CALL BKR 2E	2	9/25/2007	49961	49961	0.0	9/25/2007

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MAXIMO REPORT: EQUIPMENT HISTORY

Station: VERNON **Equipment: BKR-0002764** **VERNON-CIRCUIT BREAKER-2E **RETIRED****

RESP AREA	WORK TYPE	WORK NUMBER	STATUS	DESCRIPTION	PRTY	REPORT DATE	REPORTED BY	SUPV	HRS	ACTUAL FINISH
FACILITY Long Description:	GC	**0007281847**	CLOSE	GAS CALL BKR 2E	2	9/14/2007	49961	49961	0.0	9/14/2007
FACILITY Long Description:	CMP	**0007240996**	CLOSE	0500-02 DEW POINT TESTING -BKR 2E	2	8/31/2007	MAXADMIN	28990	0.0	10/17/2007
FACILITY Long Description:	GC	**0007222204**	CLOSE	GAS CALL BKR 2E	2	8/27/2007	49961	49961	0.0	8/27/2007
FACILITY Long Description:	GC	**0007177290**	CLOSE	GAS CALL BKR 2E	2	8/1/2007	49961	49961	0.0	8/1/2007
FACILITY Long Description:	GC	**0007016678**	CLOSE	GAS CALL BKR 2E	2	6/6/2007	49961	49961	0.0	6/6/2007
FACILITY Long Description:	GC	**0006946938**	CLOSE	GAS CALL BKR 2E	2	5/23/2007	49961	49961	0.0	5/23/2007
FACILITY Long Description:	GC	**0006921151**	CLOSE	GAS CALL BKR 2E	2	5/4/2007	49961	49961	0.0	5/4/2007
FACILITY Long Description:	CMP	**0006648754**	CLOSE	0500-28 BKR SUMMERIZATION INSP 2E	2	3/1/2007	MAXADMIN	28990	0.0	5/12/2007
FACILITY Long Description:	GC	**0006565246**	CLOSE	GAS CALL BKR 2E	2	2/15/2007	49961	49961	0.0	2/15/2007
FACILITY Long Description:	GC	**0006451533**	CLOSE	GAS CALL BKR 2E	2	1/8/2007	49961	49961	0.0	1/8/2007
FACILITY Long Description:	GC	**0006385048**	CLOSE	GAS CALL BKR 2E	2	12/22/2006	49961	49961	0.0	12/22/2006
FACILITY Long Description:	GC	**0006247558**	CLOSE	GAS CALL BKR 2E	2	11/11/2006	14808	14808	0.0	11/11/2006
FACILITY Long Description:	GC	**0006173298**	CLOSE	GAS CALL BKR 2E	2	10/27/2006	49961	49961	0.0	10/27/2006
FACILITY Long Description:	GC	**0006156729**	CLOSE	GAS CALL BKR 2E	2	10/13/2006	49961	49961	0.0	10/13/2006

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MAXIMO REPORT: EQUIPMENT HISTORY

Station: VERNON **Equipment: BKR-0002764** **VERNON-CIRCUIT BREAKER-2E **RETIRED****

RESP AREA	WORK TYPE	WORK NUMBER	STATUS	DESCRIPTION	PRTY	REPORT DATE	REPORTED BY	SUPV	HRS	ACTUAL FINISH
FACILITY Long Description:	CMP	**0006073919**	CLOSE	0500-28 BKR WINTERIZATION INSP 2E	2	9/30/2006	MAXADMIN	28990	2.0	11/30/2006
FACILITY Long Description:	GC	**0006069770**	CLOSE	GAS CALL BKR 2E	2	9/29/2006	86072	86072	0.0	9/29/2006
FACILITY Long Description:	GC	**0006055297**	CLOSE	GAS CALL BKR 2E	2	9/20/2006	86072	86072	0.0	9/20/2006
FACILITY Long Description:	GC	**0005976468**	CLOSE	GAS CALL BKR 2E	2	8/30/2006	49961	49961	0.0	8/30/2006
FACILITY Long Description:	GC	**0005930630**	CLOSE	GAS CALL BKR 2E	2	8/6/2006	14072	14072	0.0	8/6/2006
FACILITY Long Description:	GC	**0005849224**	CLOSE	GAS CALL BKR 2E	2	7/16/2006	86072	86072	0.0	7/16/2006
FACILITY Long Description:	GC	**0005644275**	CLOSE	GAS CALL BKR 2E	2	5/21/2006	14072	14072	0.0	5/21/2006
FACILITY Long Description:	GC	**0005637279**	CLOSE	GAS CALL BKR 2E	2	5/15/2006	49961	49961	0.0	5/15/2006
FACILITY Long Description:	GC	**0005631052**	CLOSE	GAS CALL BKR 2E	2	5/11/2006	49961	49961	0.0	5/11/2006
FACILITY Long Description:	CMP	**0005599996**	CLOSE	0500-02 DEW POINT TESTING -BKR 2E	2	5/1/2006	MAXADMIN	28990	0.0	7/19/2006
FACILITY Long Description:	GC	**0005451627**	CLOSE	GAS CALL BKR 2E	2	3/30/2006	49961	49961	0.0	5/12/2006
FACILITY Long Description:	GC	**0005435123**	CLOSE	GAS CALL BKR 2E	2	3/20/2006	49961	49961	0.0	3/20/2006
FACILITY Long Description:	CMP	**0005343502**	CLOSE	0500-28 BKR SUMMERIZATION INSP 2E	2	2/28/2006	MAXADMIN	28990	2.0	4/26/2006
FACILITY Long Description:	GC	**0005190803**	CLOSE	GAS CALL BKR 2E	2	1/29/2006	14072	14072	0.0	1/29/2006

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MAXIMO REPORT: EQUIPMENT HISTORY

Station: VERNON **Equipment: BKR-0002764** **VERNON-CIRCUIT BREAKER-2E **RETIRED****

RESP AREA	WORK TYPE	WORK NUMBER	STATUS	DESCRIPTION	PRTY	REPORT DATE	REPORTED BY	SUPV	HRS	ACTUAL FINISH
FACILITY Long Description:	ALARM	**0005026526**	CLOSE	TROUBLESHOOT TRIP CIRCUIT MONITORING ALARM	5	12/7/2005	14952	14952	8.0	12/7/2005
FACILITY Long Description:	GC	**0004938791**	CLOSE	GAS CALL BKR 2E	2	11/17/2005	49961	49961	0.0	11/19/2005
FACILITY Long Description:	GC	**0004938778**	CLOSE	GAS CALL BKR 2E	2	11/17/2005	49961	49961	0.0	3/30/2006
FACILITY Long Description:	CM	**0004937598**	CLOSE	REPAIR SF6 LEAKS	3	11/15/2005	14952	14952	46.0	12/8/2005
FACILITY Long Description:	GC	**0000349554**	CLOSE	GAS CALL BKR 2E	2	11/3/2005	49961	49961	0.0	11/3/2005
FACILITY Long Description:	GC	**0000344354**	CLOSE	GAS CALL BKR 2E	2	10/20/2005	49961	49961	0.0	10/20/2005
FACILITY Long Description:	GC	**0000343239**	CLOSE	GAS CALL BKR 2E	2	10/8/2005	49961	49961	0.0	10/8/2005
FACILITY Long Description:	CMP	**0000341269**	CLOSE	0500-28 BKR WINTERIZATION INSP 2E	2	9/25/2005	PMWOGEN	28990	2.0	11/26/2005
FACILITY Long Description:	GC	**0000333113**	CLOSE	GAS CALL BKR 2E	2	8/16/2005	49961	49961	0.0	8/16/2005
FACILITY Long Description:	GC	**0000328155**	CLOSE	GAS CALL BKR 2E	2	7/22/2005	49961	49961	0.0	8/4/2005
FACILITY Long Description:	GC	**0000328153**	CLOSE	GAS CALL BKR 2E	2	7/22/2005	49961	49961	0.0	7/22/2005
FACILITY Long Description:	GC	**0000325892**	CLOSE	GAS CALL BKR 2E	2	6/28/2005	49961	49961	0.0	6/28/2005
FACILITY Long Description:	GC	**0000325800**	CLOSE	GAS CALL BKR 2E	2	6/27/2005	49961	49961	0.0	6/27/2005
FACILITY Long Description:	GC	**0000321488**	CLOSE	GAS CALL BKR 2E	2	6/1/2005	49961	49961	0.0	6/1/2005

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MAXIMO REPORT: EQUIPMENT HISTORY

Station: VERNON **Equipment: BKR-0002764** **VERNON-CIRCUIT BREAKER-2E **RETIRED****

RESP AREA	WORK TYPE	WORK NUMBER	STATUS	DESCRIPTION	PRTY	REPORT DATE	REPORTED BY	SUPV	HRS	ACTUAL FINISH
FACILITY Long Description:	GC	**0000319388**	CLOSE	GAS CALL BKR 2E	2	5/26/2005	49961	49961	0.0	5/26/2005
FACILITY Long Description:	GC	**0000314979**	CLOSE	GAS CALL BKR 2E	2	5/10/2005	49961	49961	0.0	5/10/2005
FACILITY Long Description:	CMP	**0000313877**	CLOSE	0500-02 DEW POINT TESTING -BKR 2E	4	5/2/2005	19093	28990	4.0	7/20/2005
FACILITY Long Description:	GC	**0000311396**	CLOSE	GAS CALL BKR 2E	2	4/20/2005	49961	49961	0.0	4/20/2005
FACILITY Long Description:	GC	**0000308969**	CLOSE	GAS CALL BKR 2E	2	3/31/2005	49961	49961	0.0	3/31/2005
FACILITY Long Description:	CM	**0000305671**	CLOSE	REPAIR SF6 LEAKS	5	3/18/2005	14952	14952	24.0	4/12/2005
FACILITY Long Description:	GC	**0000305442**	CLOSE	GAS CALL BKR 2E	2	3/16/2005	49961	49961	0.0	3/16/2005
FACILITY Long Description:	GC	**0000304322**	CLOSE	GAS CALL BKR 2E	2	3/9/2005	49961	49961	0.0	3/9/2005
FACILITY Long Description:	GC	**0000303195**	CLOSE	GAS CALL BKR 2E	2	3/3/2005	49961	49961	0.0	3/3/2005
FACILITY Long Description:	CMP	**0000301145**	CLOSE	0500-28 BKR SUMMERIZATION INSP 2E	4	2/25/2005	PMWOGEN	28990	2.0	5/22/2005
FACILITY Long Description:	GC	**0000298152**	CLOSE	GAS CALL BKR 2E	2	2/17/2005	49961	49961	0.0	2/17/2005
FACILITY Long Description:	GC	**0000297867**	CLOSE	GAS CALL BKR 2E	2	2/14/2005	49961	49961	0.0	2/14/2005
FACILITY Long Description:	GC	**0000297177**	CLOSE	GAS CALL BKR 2E	2	2/7/2005	49961	49961	0.0	2/7/2005
FACILITY Long Description:	GC	**0000296167**	CLOSE	GAS CALL BKR 2E	2	1/28/2005	49961	49961	0.0	1/28/2005

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MAXIMO REPORT: EQUIPMENT HISTORY

Station: VERNON **Equipment: BKR-0002764** **VERNON-CIRCUIT BREAKER-2E **RETIRED****

RESP AREA	WORK TYPE	WORK NUMBER	STATUS	DESCRIPTION	PRTY	REPORT DATE	REPORTED BY	SUPV	HRS	ACTUAL FINISH
FACILITY Long Description:	GC	**0000285317**	CLOSE	GAS CALL BKR 2E	2	12/15/2004	49961	49961	0.0	12/15/2004
FACILITY Long Description:	GC	**0000284716**	CLOSE	GAS CALL BKR 2E	2	12/7/2004	49961	49961	0.0	12/7/2004
FACILITY Long Description:	GC	**0000281393**	CLOSE	GAS CALL BKR 2E	2	11/17/2004	49961	49961	0.0	11/17/2004
FACILITY Long Description:	GC	**0000281014**	CLOSE	GAS CALL BKR 2E	2	11/12/2004	49961	49961	0.0	11/12/2004
FACILITY Long Description:	GC	**0000280216**	CLOSE	GAS CALL BKR 2E	2	11/2/2004	49961	49961	0.0	11/2/2004
FACILITY Long Description:	GC	**0000276159**	CLOSE	GAS CALL BKR 2E	2	10/6/2004	49961	49961	0.0	10/6/2004
FACILITY Long Description:	GC	**0000275242**	CLOSE	GAS CALL BKR 2E	2	9/27/2004	49961	49961	0.0	9/27/2004
FACILITY Long Description:	CMP	**0000274498**	CLOSE	0500-28 BKR WINTERIZATION INSP 2E	4	9/25/2004	PMWOGEN	28990	0.0	12/16/2004
FACILITY Long Description:	GC	**0000272236**	CLOSE	GAS CALL BKR 2E	2	9/21/2004	49961	49961	0.0	9/21/2004
FACILITY Long Description:	GC	**0000271948**	CLOSE	GAS CALL BKR 2E	2	9/17/2004	49961	49961	0.0	9/17/2004
FACILITY Long Description:	GC	**0000271466**	CLOSE	GAS CALL BKR 2E	2	9/11/2004	49961	49961	0.0	9/11/2004
FACILITY Long Description:	GC	**0000270701**	CLOSE	GAS CALL BKR 2E	2	9/1/2004	49961	49961	0.0	9/1/2004
FACILITY Long Description:	GC	**0000268723**	CLOSE	GAS CALL BKR 2E	2	8/25/2004	49961	49961	0.0	8/25/2004
FACILITY Long Description:	GC	**0000262922**	CLOSE	GAS CALL BKR 2E	2	7/2/2004	49961	49961	0.0	7/2/2004

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MAXIMO REPORT: EQUIPMENT HISTORY

Station: VERNON **Equipment: BKR-0002764** **VERNON-CIRCUIT BREAKER-2E **RETIRED****

RESP AREA	WORK TYPE	WORK NUMBER	STATUS	DESCRIPTION	PRTY	REPORT DATE	REPORTED BY	SUPV	HRS	ACTUAL FINISH
FACILITY	GC	**0000262569**	CLOSE	GAS CALL BKR 2E	2	6/29/2004	49961	49961	0.0	6/29/2004
Long Description:										
FACILITY	GC	**0000260902**	CLOSE	GAS CALL BKR 2E	2	6/25/2004	49961	49961	0.0	6/25/2004
Long Description:										
FACILITY	GC	**0000259843**	CLOSE	GAS CALL BKR 2E	2	6/17/2004	49961	49961	0.0	6/17/2004
Long Description:										
FACILITY	GC	**0000253909**	CLOSE	GAS CALL BKR 2E	2	5/3/2004	49961	49961	0.0	5/3/2004
Long Description:										
FACILITY	CMP	**0000253017**	CLOSE	0500-02 DEW POINT TESTING -BKR 2E	4	4/25/2004	PMWOGEN	28990	2.0	7/24/2004
Long Description:										
FACILITY	GC	**0000248631**	CLOSE	GAS CALL BKR 2E	2	3/24/2004	19201	19201	0.0	3/24/2004
Long Description:										
FACILITY	INFO	**0000247656**	CLOSE	BKR 2E OPEN AUTO	5	3/9/2004	72593		0.0	3/30/2004

Long Description: **VERNON**

Event Type Description Start Date End Date Contact
MISC. BKR 2E OPEN AUTO 02/08/2004 03:25 02/09/2004 02:39 SHIFT MGR
Status Date Note
02/08/2004 03:25 Bkr 2E O/A no operator in station. SSOM and Oper en route Notified field Supv. Alpha notification sent.
02/08/2004 04:15 Oper found Bkr 2E air press @ 260, SF-6 LPG 26 psi @ 35. HPG 240psi @ 80
02/08/2004 04:20 WP Issued to SSOM to check and repair cause of Bkr 2E O/A.
02/08/2004 08:38 Oper reported bkr 2E is grounded via G/S #17 and #19. W/P is being issued to SSOM to perform valving in order to ascertain that C-phase blast valve is defective.
02/08/2004 12:35 Oper reported SSOM delivered gas trailer from Rainey to station.
02/08/2004 14:38 Area Supervisor is in station.
02/08/2004 21:31 SSOM reported they found no heat in Bkr control cabinet, frozen capillary tubing on SF-6 gauges.
02/09/2004 01:30 WP Returned complete by SSOM to check and repair cause of Bkr 2E.
02/09/2004 02:39 Bkr.2E was restored to service.

Redacted

Exhibit __ (SIIP-1)
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MAXIMO REPORT: EQUIPMENT HISTORY

Station: VERNON **Equipment: BKR-0002764** **VERNON-CIRCUIT BREAKER-2E **RETIRED****

RESP AREA	WORK TYPE	WORK NUMBER	STATUS	DESCRIPTION	PRTY	REPORT DATE	REPORTED BY	SUPV	HRS	ACTUAL FINISH
FACILITY	INFO	**0000247652**	CLOSE	VERNON-CIRCUIT BREAKER-2E	5	3/9/2004	72593		0.0	3/9/2004

Long Description: **VERNON**

Equipment Name Voltage Outage
Type OOS Date Projected
Restoration Actual
Restoration Outage Work
Description Contact
VERNON-CIRCUIT BREAKER-2E 138 kv OA 02/08/2004 03:30 02/09/2004 02:40 02/09/2004 02:40 SSO: UNDER INVESTIGATION
Outage Step Step Start Step End Work Description Work Location Comments
No Steps Defined for Date Range Specified.
Status Date Note
No Notes Defined for Date Range Specified.

FACILITY	CMP	**0000245823**	CLOSE	0500-28 BKR SUMMERIZATION INSP 2E	4	2/28/2004	PMWOGEN	28990	2.0	5/23/2004
Long Description:										
FACILITY	GC	**0000235594**	CLOSE	GAS CALL BKR 2E	2	12/3/2003	49961	49961	0.0	12/3/2003
Long Description:										
FACILITY	GC	**0000235358**	CLOSE	GAS CALL BKR 2E	2	12/1/2003	49961	49961	0.0	12/1/2003
Long Description:										
FACILITY	GC	**0000228199**	CLOSE	GAS CALL BKR 2E	2	10/16/2003	21159	21159	0.0	10/16/2003
Long Description:										
FACILITY	GC	**0000226399**	CLOSE	GAS CALL BKR 2E	2	10/1/2003	49961	49961	0.0	10/1/2003
Long Description:										
FACILITY	CMP	**0000224816**	CLOSE	0500-28 BKR SUMM/WINT INSP 2E	4	9/29/2003	03710	28990	0.0	5/12/2004
Long Description:										
FACILITY	GC	**0000222837**	CLOSE	GAS CALL BKR 2E	2	9/6/2003	49961	49961	0.0	9/6/2003
Long Description:										
FACILITY	DT	**0000219224**	CLOSE	BKR- 2E (DT)	3	8/6/2003	47337	14952	228.5	9/28/2004
Long Description:										
FACILITY	GC	**0000217939**	CLOSE	GAS CALL BKR 2E	2	7/30/2003	49961	49961	0.0	7/30/2003
Long Description:										

Redacted

Exhibit __ (SIIP-1)
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MAXIMO REPORT: EQUIPMENT HISTORY

Station: VERNON **Equipment: BKR-0002764** **VERNON-CIRCUIT BREAKER-2E **RETIRED****

RESP AREA	WORK TYPE	WORK NUMBER	STATUS	DESCRIPTION	PRTY	REPORT DATE	REPORTED BY	SUPV	HRS	ACTUAL FINISH
FACILITY Long Description:	CMP	**0000206668**	CLOSE	0500-02 DEW POINT TESTING -BKR 2E	2	5/1/2003	52741	28990	0.0	6/23/2003
FACILITY Long Description:	GC	**0000205262**	CLOSE	GAS CALL BKR 2E	2	4/21/2003	49961	49961	0.0	4/21/2003
FACILITY Long Description:	CM	**0000205191**	CLOSE	REPLACE AIR COMPRESSOR ON BREAKER 2E	4	4/18/2003	14868	14868	16.0	2/9/2004
FACILITY Long Description:	CM	**0000200367**	CLOSE	LOW GAS ALARM DEFECTIVE	2	3/10/2003	49961		0.0	1/12/2005
FACILITY Long Description:	GC	**0000200365**	CLOSE	GAS CALL BKR 2E	2	3/10/2003	49961	49961	0.0	3/10/2003
FACILITY Long Description:	CMP	**0000187608**	CLOSE	0500-28 BKR SUMM/WINT INSP 2E	2	12/2/2002	03710		0.0	6/23/2003
FACILITY Long Description:	GC	**0000183694**	CLOSE	GAS CALL GCB/1380SF6 2E	2	10/30/2002	03710		0.0	11/6/2002
FACILITY Long Description:	GC	**0000175054**	CLOSE	GAS CALL GCB/1380SF6 2E	2	9/6/2002	03710		0.0	10/25/2002
FACILITY Long Description:	CMP	**0000164354**	CLOSE	0500-28 BKR SUMM/WINT INSP 2E	2	6/4/2002	03710		1.0	7/7/2002
FACILITY Long Description:	CMP	**0000160545**	CLOSE	0500-02 DEW POINT TESTING -BKR 2E	2	5/1/2002	03710	28990	1.0	6/18/2002
FACILITY Long Description:	GC	**0000152303**	CLOSE	GAS CALL GCB/1380SF6 2E	2	3/5/2002	03710		0.0	3/12/2002
FACILITY Long Description:	GC	**0000148385**	CLOSE	GAS CALL GCB/1380SF6 2E	2	2/7/2002	03710		0.0	2/26/2002
FACILITY Long Description:	CMP	**0000139477**	CLOSE	0500-28 BKR SUMM/WINT INSP 2E	1	12/3/2001	03710		0.5	12/9/2001
FACILITY Long Description:	GC	**0000124485**	CLOSE	GAS CALL- BKR 2E	1	8/12/2001	03710		0.0	8/29/2001

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MAXIMO REPORT: EQUIPMENT HISTORY

Station: VERNON **Equipment: BKR-0002764** **VERNON-CIRCUIT BREAKER-2E **RETIRED****

RESP AREA	WORK TYPE	WORK NUMBER	STATUS	DESCRIPTION	PRTY	REPORT DATE	REPORTED BY	SUPV	HRS	ACTUAL FINISH
FACILITY Long Description:	CMP	**0000120358**	CLOSE	0500-02 DEW POINT TESTING -BKR 2E	9	7/11/2001	03710	28990	1.0	11/26/2001
FACILITY Long Description:	CMP	**0000115860**	CLOSE	0500-28 BKR SUMM/WINT INSP 2E	1	6/4/2001	03710		1.0	6/14/2001
FACILITY Long Description:	GC	**0000113043**	CLOSE	GAS CALL - BKR 2E	2	5/9/2001	49961		1.0	12/18/2002
FACILITY Long Description:	CMP	**0000112008**	CLOSE	0500-02 DEW POINT TESTING -BKR 2E	1	5/1/2001	03710		1.0	6/18/2001
FACILITY Long Description:	CMP	**0000096473**	CLOSE	0500-02 DEW POINT TESTING -BKR 2E	1	2/1/2001	03710		1.5	2/26/2001
FACILITY Long Description:	GC	**0000091141**	CLOSE	GAS CALL GCB/1380SF6 2E	2	12/22/2000	03710		0.0	11/29/2002
FACILITY Long Description:	GC	**0000087935**	CLOSE	GAS CALL GCB/1380SF6 2E	1	12/13/2000	49961		0.0	12/22/2000
FACILITY Long Description:	CMP	**0000078390**	CLOSE	0500-02 DEW POINT TESTING -BKR 2E	9	10/31/2000	03710		0.0	12/5/2000
FACILITY Long Description:	CMP	**0000073379**	CLOSE	0500-28 BKR SUMM/WINT INSP 2E	1	9/15/2000	03710		1.0	11/30/2000
FACILITY Long Description:	CMP	**0000068539**	CLOSE	0500-02 DEW POINT TESTING -BKR 2E	9	7/31/2000	03710		0.0	12/5/2000
FACILITY Long Description:	CMP	**0000062577**	CLOSE	0500-02 DEW POINT TESTING -BKR 2E	1	6/1/2000	03710		0.0	6/28/2000
FACILITY Long Description:	CMP	**0000058558**	CLOSE	0500-02-SF6 DEW POINT TEST	1	4/26/2000	03710		0.0	6/1/2000
FACILITY Long Description:	CMP	**0000058556**	CLOSE	0500-02-SF6 DEW POINT TEST	1	4/26/2000	03710		0.0	6/1/2000
FACILITY Long Description:	CMP	**0000058557**	CLOSE	0500-02-SF6 DEW POINT TEST	1	4/26/2000	03710		0.0	6/1/2000

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MAXIMO REPORT: EQUIPMENT HISTORY

Station: VERNON **Equipment: BKR-0002764** **VERNON-CIRCUIT BREAKER-2E **RETIRED****

RESP AREA	WORK TYPE	WORK NUMBER	STATUS	DESCRIPTION	PRTY	REPORT DATE	REPORTED BY	SUPV	HRS	ACTUAL FINISH
FACILITY Long Description:	CMP	**0000058555**	CLOSE	0500-28 BKR SUMM/WINT INSP 2E	1	4/26/2000	03710		0.0	5/31/2000
FACILITY Long Description:	GC	**0000057479**	CLOSE	GAS CALL GCB/1380SF6 2E	1	4/16/2000	14072		0.0	12/22/2000
FACILITY Long Description:	GC	**0000039455**	CLOSE	GAS CALL GCB/1380SF6 2E	1	10/29/1999	14091		0.0	12/22/2000
FACILITY Long Description:	CMP	**0000020490**	CLOSE	500-02-SF6 DEW POINT TEST	1	5/26/1999	98219		0.0	5/26/1999
FACILITY Long Description:	CMP	**0000020489**	CLOSE	500-28-CIR BKRS WINTERIZATION IN	1	5/26/1999	98219		0.0	5/26/1999

133 total work order(s) having 1750 hours.

Redacted

MAXIMO REPORT: EQUIPMENT HISTORY

Station: VERNON **Equipment: BKR-0002770** **VERNON-CIRCUIT BREAKER-4W **RETIRED****

RESP AREA	WORK TYPE	WORK NUMBER	STATUS	DESCRIPTION	PRTY	REPORT DATE	REPORTED BY	SUPV	HRS	ACTUAL FINISH
AUXSUP Long Description:	CAP	**0007488622**	CLOSE	VERNON- HIPOT ON BKR 4W AND 5W	5	10/29/2007	18917		48.0	10/30/2007
PROTSYS Long Description:	CAP	**0007298480**	CLOSE	VERNON S/S - BREAKER 4W REPLACEMENT-DISCREPANCY	5	9/25/2007	13130		40.0	11/3/2007
PROTSYS Long Description:	CAP	**0007298449**	CLOSE	VERNON S/S - BREAKER 4W REPLACEMENT-INSTALLATION	9	9/25/2007	13130		352.0	11/8/2007
PROTSYS Long Description:	CAP	**0007298392**	COMP	VERNON S/S - BREAKER 4W REPLACEMENT-RETIRED	9	9/25/2007	13130		138.0	11/10/2007
FACILITY Long Description:	GC	**0007285436**	CLOSE	GAS CALL BKR 4W	2	9/17/2007	49961	49961	0.0	9/17/2007
FACILITY Long Description:	CMP	**0007241096**	CLOSE	0500-02 DEW POINT TESTING -BKR 4W	2	8/31/2007	MAXADMIN	28990	0.0	10/17/2007
FACILITY Long Description:	CAP	**0007209557**	CLOSE	BREAKER 4W REPLACEMENT	5	8/17/2007	85180	14952	52.0	10/18/2007
PROTSYS Long Description:	CAP	**0006721698**	CLOSE	VERNON S/S - BREAKER4W REPLACEMENT-DISCREPANCY	5	3/24/2007	13130		0.0	4/17/2007
PROTSYS Long Description:	CAP	**0006721674**	CLOSE	VERNON S/S - BREAKER4W REPLACEMENT-NEW INSTALLATION	9	3/24/2007	13130		0.0	4/17/2007
PROTSYS Long Description:	CAP	**0006721651**	CLOSE	VERNON S/S - BREAKER4W REPLACEMENT-RETIRED	9	3/24/2007	13130		16.0	3/26/2007
FACILITY Long Description:	CMP	**0006646032**	CLOSE	0500-28 BKR SUMMERIZATION INSP 4W	2	2/28/2007	MAXADMIN	28990	0.0	5/12/2007
FACILITY Long Description:	GC	**0006490773**	CLOSE	GAS CALL BKR 4W	2	1/26/2007	49961	49961	0.0	1/26/2007

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MAXIMO REPORT: EQUIPMENT HISTORY

Station: VERNON **Equipment: BKR-0002770** **VERNON-CIRCUIT BREAKER-4W **RETIRED****

RESP AREA	WORK TYPE	WORK NUMBER	STATUS	DESCRIPTION	PRTY	REPORT DATE	REPORTED BY	SUPV	HRS	ACTUAL FINISH
FACILITY Long Description:	CMP	**0006309454**	CLOSE	0500-17 ANNUAL COMPRESSOR BKR-4W	2	11/30/2006	MAXADMIN	28990	2.0	9/5/2007
FACILITY Long Description:	CMP	**0006074265**	CLOSE	0500-28 BKR WINTERIZATION INSP 4W	2	9/30/2006	MAXADMIN	28990	2.0	11/30/2006
FACILITY Long Description:	CMP	**0005570191**	CLOSE	0500-02 DEW POINT TESTING -BKR 4W	2	5/1/2006	MAXADMIN	28990	2.0	7/19/2006
FACILITY Long Description:	CM	**0005529528**	CLOSE	AIR LEAK BKR 4W	4	4/14/2006	14952	14952	16.0	4/14/2006
FACILITY Long Description:	DT	**0005403304**	CLOSE	BKR- 4W (DT)	2	3/6/2006	12468	14952	68.0	5/25/2007
FACILITY Long Description:	CMP	**0005343677**	CLOSE	0500-28 BKR SUMMERIZATION INSP 4W	2	2/28/2006	MAXADMIN	28990	0.0	4/26/2006
FACILITY Long Description:	CMP	**0004961338**	CLOSE	0500-17 ANNUAL COMPRESSOR BKR-4W	2	11/30/2005	MAXADMIN	28990	2.0	10/8/2006
FACILITY Long Description:	GC	**0000342137**	CLOSE	GAS CALL BKR 4W	2	9/28/2005	49961	49961	0.0	9/28/2005
FACILITY Long Description:	CMP	**0000341274**	CLOSE	0500-28 BKR WINTERIZATION INSP 4W	2	9/25/2005	PMWOGEN	28990	2.0	12/29/2005
FACILITY Long Description:	CM	**0000328104**	CLOSE	TROUBLE SHOOT GAS PROBLEM	5	7/22/2005	14952	14952	8.0	8/18/2005
FACILITY Long Description:	CMP	**0000313882**	CLOSE	0500-02 DEW POINT TESTING -BKR 4W	4	5/2/2005	19093	28990	4.0	7/24/2005
FACILITY Long Description:	CMP	**0000301151**	CLOSE	0500-28 BKR SUMMERIZATION INSP 4W	4	2/25/2005	PMWOGEN	28990	2.0	5/22/2005
FACILITY Long Description:	CMP	**0000282352**	CLOSE	0500-17 ANNUAL COMPRESSOR BKR-4W	4	11/25/2004	PMWOGEN	28990	2.0	11/28/2005
FACILITY Long Description:	CMP	**0000274504**	CLOSE	0500-28 BKR WINTERIZATION INSP 4W	4	9/25/2004	PMWOGEN	28990	0.0	12/16/2004

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MAXIMO REPORT: EQUIPMENT HISTORY

Station: VERNON **Equipment: BKR-0002770** **VERNON-CIRCUIT BREAKER-4W **RETIRED****

RESP AREA	WORK TYPE	WORK NUMBER	STATUS	DESCRIPTION	PRTY	REPORT DATE	REPORTED BY	SUPV	HRS	ACTUAL FINISH
FACILITY	CMP	**0000253022**	CLOSE	0500-02 DEW POINT TESTING -BKR 4W	4	4/25/2004	PMWOGEN	28990	2.0	7/24/2004
Long Description:										
FACILITY	CMP	**0000245829**	CLOSE	0500-28 BKR SUMMERIZATION INSP 4W	4	2/28/2004	PMWOGEN	28990	2.0	5/23/2004
Long Description:										
FACILITY	GC	**0000239368**	CLOSE	GAS CALL BKR 4W	2	1/9/2004	49961	49961	0.0	1/9/2004
Long Description:										
FACILITY	INFO	**0000239364**	CLOSE	REPAIRS TO 4W BREAKER	5	1/9/2004	72593		0.0	1/9/2004
Long Description: **VERNON**										

Equipment Name Voltage Outage
Type OOS Date Projected
Restoration Actual
Restoration Outage Work
Description Contact
VERNON-CIRCUIT BREAKER-4W 138 kv OA 01/08/2004 14:19 01/08/2004 17:08 SSO MAKE REPAIRS TO 4W BREAKER, CANNOT RESTORE HIGH SIDE PRESSURE
Outage Step Step Start Step End Work Description Work Location Comments
No Steps Defined for Date Range Specified.
Status Date Note
01/08/2004 16:19 Breaker 4W Opened Auto due to low air. At 10:00 W/P issued to SSM to investigate why operator is unable to add gas to breaker. Breaker tripped in the process of the investigation.
01/08/2004 16:55 Two valves were found not properly seated and a third valve was found locked closed. Repairs completed by SSM
01/08/2004 17:08 Bkr$4W restored to service

FACILITY	FM	**0000239309**	CLOSE	TROUBLESHOOT BKR.4W	1	1/8/2004	14952	14952	12.0	1/9/2004
Long Description: **equalize valving**										
FACILITY	CMP	**0000233487**	CLOSE	0500-17 ANNUAL COMPRESSOR BKR-4W	4	11/25/2003	PMWOGEN	28990	2.0	11/7/2004
Long Description:										
FACILITY	CMP	**0000224822**	CLOSE	0500-28 BKR SUMM/WINT INSP 4W	4	9/29/2003	03710	28990	0.0	5/12/2004
Long Description:										

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MAXIMO REPORT: EQUIPMENT HISTORY

Station: VERNON **Equipment: BKR-0002770** **VERNON-CIRCUIT BREAKER-4W **RETIRED****

RESP AREA	WORK TYPE	WORK NUMBER	STATUS	DESCRIPTION	PRTY	REPORT DATE	REPORTED BY	SUPV	HRS	ACTUAL FINISH
FACILITY	INFO	**0000214769**	CLOSE	REGASSED BREAKER C/I NOTE: ALARM ON SOCC @ 1742 BREAKER 4W O/A-	0	7/2/2003	72593	74907	0.0	10/22/2003

Long Description: **VERNON**
Event Type Description Start Date End Date Contact
MISC. Breaker 4W O/A 07/01/2003 17:42 07/01/2003 18:23 Shift Mgr.
Status Date Note
07/01/2003 17:42 Bkr. 4W O/A
07/01/2003 18:23 Bkr. 4W regassed breakerC/I Note: Alarm on SOCC @ 1742

FACILITY	CMP	**0000206673**	CLOSE	0500-02 DEW POINT TESTING -BKR 4W	2	5/1/2003	52741	28990	0.0	6/23/2003
Long Description:										
FACILITY	CM	**0000200744**	CLOSE	MINI OVERHAUL	2	3/14/2003	18727		291.0	1/12/2005
Long Description: **No apparent leaks at this time. Responding to an O/A. Replacing all blast valves,high pressure seals, desiccants,.....**										
FACILITY	CM	**0000199679**	CLOSE	REPAIR INTERNAL GAS LEAKS	2	3/5/2003	47337		16.0	8/25/2005
Long Description:										
FACILITY	EM	**0000198348**	CLOSE	REPAIR AIR LEAK	1	3/1/2003	13934		130.0	1/12/2005
Long Description:										
FACILITY	CMP	**0000187614**	CLOSE	0500-28 BKR SUMM/WINT INSP 4W	2	12/2/2002	03710		6.0	6/23/2003
Long Description:										
FACILITY	CMP	**0000187483**	CLOSE	0500-17 ANNUAL COMPRESSOR BKR-4W	2	12/2/2002	03710	14952	1.0	12/17/2003
Long Description:										
FACILITY	GC	**0000181372**	CLOSE	GAS CALL GCB/1380SF6 4W	2	10/24/2002	03710		0.0	10/25/2002
Long Description:										
FACILITY	CMP	**0000164360**	CLOSE	0500-28 BKR SUMM/WINT INSP 4W	2	6/4/2002	03710		1.0	7/8/2002
Long Description:										
FACILITY	GC	**0000161764**	CLOSE	GAS CALL GCB/1380SF6 4W	2	5/15/2002	03710		0.0	5/20/2002
Long Description:										
FACILITY	CMP	**0000160550**	CLOSE	0500-02 DEW POINT TESTING -BKR 4W	2	5/1/2002	03710	28990	1.0	6/18/2002
Long Description:										
FACILITY	CM	**0000157786**	CLOSE	HI TEMP. LOW SIDE OF SF-6 SYSTEM	3	4/16/2002	49961	85180	8.0	5/21/2002
Long Description:										

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MAXIMO REPORT: EQUIPMENT HISTORY

Station: VERNON **Equipment: BKR-0002770** **VERNON-CIRCUIT BREAKER-4W **RETIRED****

RESP AREA	WORK TYPE	WORK NUMBER	STATUS	DESCRIPTION	PRTY	REPORT DATE	REPORTED BY	SUPV	HRS	ACTUAL FINISH
FACILITY Long Description:	FM	**0000153998**	CLOSE	UNABLE TO CLOSE GAS CABINET DOOR	5	3/21/2002	49961	85180	4.0	5/21/2002
FACILITY Long Description:	CM	**0000152679**	CLOSE	REPAIR GOVERNOR SWITCH	5	3/9/2002	85180	85180	46.0	5/21/2002
FACILITY Long Description:	GC	**0000144154**	CLOSE	GAS CALL GCB/1380SF6 4W	1	1/5/2002	03710		0.0	1/7/2002
FACILITY Long Description:	CMP	**0000139470**	CLOSE	0500-28 BKR SUMM/WINT INSP 4W	1	12/3/2001	03710		1.0	12/12/2001
FACILITY Long Description:	CMP	**0000139416**	CLOSE	0500-17 ANNUAL COMPRESSOR BKR-4W	9	12/3/2001	03710		1.0	12/17/2001
FACILITY Long Description:	CMP	**0000120353**	CLOSE	0500-02 DEW POINT TESTING -BKR 4W	9	7/11/2001	03710	28990	1.0	11/26/2001
FACILITY Long Description:	CMP	**0000115866**	CLOSE	0500-28 BKR SUMM/WINT INSP 4W	1	6/4/2001	03710		1.0	6/14/2001
FACILITY Long Description:	CMP	**0000111884**	CLOSE	0500-02 DEW POINT TESTING -BKR 4W	1	5/1/2001	03710		1.0	6/14/2001
FACILITY Long Description:	GC	**0000098946**	CLOSE	GAS CALL - BKR 4W	2	2/22/2001	49961		0.0	2/27/2002
FACILITY Long Description:	CM	**0000097891**	CLOSE	BKR. 4W SF-6 GAS MIGRATING FROM HIGH SIDE TO LOW SIDE	9	2/6/2001	49961		184.5	5/11/2001
FACILITY Long Description:	CMP	**0000096468**	CLOSE	0500-02 DEW POINT TESTING -BKR 4W	1	2/1/2001	03710		1.5	2/27/2001
FACILITY Long Description:	EM	**0000092083**	CLOSE	REPAIR AND OR REPLACE GAS COMPRESSOR ON BRK. 4W	9	12/28/2000	45451	45451	32.0	1/18/2001
FACILITY Long Description:	GC	**0000091146**	CLOSE	GAS CALL GCB/1380SF6 4W	2	12/22/2000	03710		0.0	2/20/2003

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MAXIMO REPORT: EQUIPMENT HISTORY

Station: VERNON **Equipment: BKR-0002770** **VERNON-CIRCUIT BREAKER-4W **RETIRED****

RESP AREA	WORK TYPE	WORK NUMBER	STATUS	DESCRIPTION	PRTY	REPORT DATE	REPORTED BY	SUPV	HRS	ACTUAL FINISH
FACILITY Long Description:	CMP	**0000078385**	CLOSE	0500-02 DEW POINT TESTING -BKR 4W	9	10/31/2000	03710		0.0	12/5/2000
FACILITY Long Description:	CMP	**0000073373**	CLOSE	0500-28 BKR SUMM/WINT INSP 4W	1	9/15/2000	03710		1.0	11/30/2000
FACILITY Long Description:	CMP	**0000073321**	CLOSE	0500-17 ANNUAL COMPRESSOR BKR-4W	9	9/15/2000	03710		1.0	12/5/2000
FACILITY Long Description:	CMP	**0000068534**	CLOSE	0500-02 DEW POINT TESTING -BKR 4W	1	7/31/2000	03710		0.0	12/5/2000
FACILITY Long Description:	CM	**0000067314**	CLOSE	LEAK CHECK AND REPAIR SF6 SYSTEM ON BKR 4W	9	7/14/2000	19332	18727	0.0	10/16/2000
FACILITY Long Description:	CMP	**0000062572**	CLOSE	0500-02 DEW POINT TESTING -BKR 4W	1	6/1/2000	03710		0.0	6/28/2000
FACILITY Long Description:	CMP	**0000058537**	CLOSE	0500-02-SF6 DEW POINT TEST	1	4/26/2000	03710		0.0	6/1/2000
FACILITY Long Description:	CMP	**0000058536**	CLOSE	0500-02-SF6 DEW POINT TEST	1	4/26/2000	03710		0.0	6/1/2000
FACILITY Long Description:	CMP	**0000058535**	CLOSE	0500-02-SF6 DEW POINT TEST	1	4/26/2000	03710		0.0	6/1/2000
FACILITY Long Description:	CMP	**0000058534**	CLOSE	0500-28 BKR SUMM/WINT INSP 4W	1	4/26/2000	03710		0.0	5/31/2000
FACILITY Long Description:	GC	**0000039450**	CLOSE	GAS CALL GCB/1380SF6 4W	1	10/29/1999	14091		1.0	12/22/2000
FACILITY Long Description:	CMP	**0000020479**	CLOSE	500-02-SF6 DEW POINT TEST	1	5/26/1999	98219		0.0	5/26/1999
FACILITY Long Description:	CMP	**0000020478**	CLOSE	500-28-CIR BKRS WINTERIZATION IN	1	5/26/1999	98219		0.0	5/26/1999

71 total work order(s) having 1504 hours.

Redacted

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MAXIMO REPORT: EQUIPMENT HISTORY

Station: VERNON **Equipment: BKR-0002772** **VERNON-CIRCUIT BREAKER-5W **RETIRED****

RESP AREA	WORK TYPE	WORK NUMBER	STATUS	DESCRIPTION	PRTY	REPORT DATE	REPORTED BY	SUPV	HRS	ACTUAL FINISH
FACILITY Long Description:	CAP	**0007393923**	CLOSE	WORK WITH VENDOR INSTALLING SF6 KIT ON BKR. 5W	5	10/9/2007	14952	14952	14.0	10/10/2007
FACILITY Long Description:	CAP	**0007360559**	CLOSE	REMOVE PARTS FROM RETIRED BREAKER 5W	5	10/1/2007	14952	14952	16.0	10/2/2007
PROTSYS Long Description:	CAP	**0007298632**	CLOSE	VERNON S/S - BREAKER 5W REPLACEMENT-DISCREPANCY	5	9/25/2007	13130		48.0	11/3/2007
PROTSYS Long Description:	CAP	**0007298600**	CLOSE	VERNON S/S - BREAKER 5W REPLACEMENT-INSTALLATION	9	9/25/2007	13130		390.5	11/13/2007
PROTSYS Long Description:	CAP	**0007298535**	CLOSE	VERNON S/S - BREAKER 5W REPLACEMENT-RETIRED	9	9/25/2007	13130		85.0	10/5/2007
FACILITY Long Description:	CMP	**0007241121**	CLOSE	0500-02 DEW POINT TESTING -BKR 5W	2	8/31/2007	MAXADMIN	28990	0.0	10/17/2007
FACILITY Long Description:	GC	**0007131995**	CLOSE	GAS CALL BKR 5W	2	7/23/2007	49961	49961	0.0	7/23/2007
FACILITY Long Description:	GC	**0006981303**	CLOSE	GAS CALL BKR 5W	2	6/1/2007	84659	84659	0.0	6/1/2007
FACILITY Long Description:	CAP	**0006974284**	CLOSE	REMOVE BKR. 5W SUPPORT	5	5/31/2007	14952	14952	197.0	10/10/2007
CONST Long Description:	CAP	**0006946800**	CLOSE	REMOVE 138KV BREAKER 5W	5	5/23/2007	03710	46639	0.0	1/22/2008
CONST Long Description:	CAP	**0006937744**	CLOSE	INSTALL BREAKER 5W	5	5/16/2007	85180		0.0	5/13/2008
FACILITY Long Description:	GC	**0006693576**	CLOSE	GAS CALL BKR 5W	2	3/7/2007	49961	49961	0.0	10/15/2007
FACILITY Long Description:	CMP	**0006645624**	CLOSE	0500-28 BKR SUMMERIZATION INSP 5W	2	2/28/2007	MAXADMIN	28990	0.0	5/12/2007

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MAXIMO REPORT: EQUIPMENT HISTORY

Station: VERNON **Equipment: BKR-0002772** **VERNON-CIRCUIT BREAKER-5W **RETIRED****

RESP AREA	WORK TYPE	WORK NUMBER	STATUS	DESCRIPTION	PRTY	REPORT DATE	REPORTED BY	SUPV	HRS	ACTUAL FINISH
FACILITY Long Description:	GC	**0006489029**	CLOSE	GAS CALL BKR 5W	2	1/26/2007	85464	85464	0.0	1/26/2007
FACILITY Long Description:	GC	**0006355928**	CLOSE	GAS CALL BKR 5W	2	12/6/2006	49961	49961	0.0	12/6/2006
FACILITY Long Description:	CMP	**0006309516**	CLOSE	0500-17 ANNUAL COMPRESSOR BKR-5W	2	11/30/2006	MAXADMIN	28990	2.0	9/5/2007
FACILITY Long Description:	GC	**0006252024**	CLOSE	GAS CALL BKR 5W	2	11/15/2006	49961	49961	0.0	11/15/2006
FACILITY Long Description:	GC	**0006172847**	CLOSE	GAS CALL BKR 5W	2	10/27/2006	19006	19006	0.0	10/27/2006
FACILITY Long Description:	CMP	**0006074335**	CLOSE	0500-28 BKR WINTERIZATION INSP 5W	2	9/30/2006	MAXADMIN	28990	2.0	11/29/2006
FACILITY Long Description:	GC	**0006063828**	CLOSE	GAS CALL BKR 5W	2	9/26/2006	86072	86072	0.0	9/26/2006
FACILITY Long Description:	GC	**0006036001**	CLOSE	GAS CALL BKR 5W	2	9/8/2006	85464	85464	0.0	9/8/2006
FACILITY Long Description:	GC	**0005946900**	CLOSE	GAS CALL BKR 5W	2	8/15/2006	49961	49961	0.0	8/15/2006
FACILITY Long Description:	GC	**0005773881**	CLOSE	GAS CALL BKR 5W	2	6/28/2006	85631	85631	0.0	6/28/2006
FACILITY Long Description:	GC	**0005739682**	CLOSE	GAS CALL BKR 5W	2	6/14/2006	14072	14072	0.0	6/14/2006
FACILITY Long Description:	GC	**0005633536**	CLOSE	GAS CALL BKR 5W	2	5/12/2006	49961	49961	0.0	5/12/2006
FACILITY Long Description:	CM	**0005623660**	CLOSE	VERNON - TROUBLESHOOT GROUND TRACED TO BKR 5W	3	5/10/2006	02886	14952	46.0	5/26/2006
FACILITY Long Description:	GC	**0005615506**	CLOSE	GAS CALL BKR 5W	2	5/6/2006	49961	49961	0.0	5/6/2006

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MAXIMO REPORT: EQUIPMENT HISTORY

Station: VERNON **Equipment: BKR-0002772** **VERNON-CIRCUIT BREAKER-5W **RETIRED****

RESP AREA	WORK TYPE	WORK NUMBER	STATUS	DESCRIPTION	PRTY	REPORT DATE	REPORTED BY	SUPV	HRS	ACTUAL FINISH
FACILITY Long Description:	CMP	**0005570245**	CLOSE	0500-02 DEW POINT TESTING -BKR 5W	2	5/1/2006	MAXADMIN	28990	0.0	7/19/2006
FACILITY Long Description:	GC	**0005414373**	CLOSE	GAS CALL BKR 5W	2	3/9/2006	49961	49961	0.0	3/9/2006
FACILITY Long Description:	CMP	**0005343746**	CLOSE	0500-28 BKR SUMMERIZATION INSP 5W	2	2/28/2006	MAXADMIN	28990	2.0	4/26/2006
FACILITY Long Description:	GC	**0005171380**	CLOSE	GAS CALL BKR 5W	2	1/17/2006	49961	49961	0.0	1/17/2006
FACILITY Long Description:	DT	**0005162843**	CLOSE	BKR- 5W (DT)	2	1/9/2006	47337		72.0	5/5/2006
FACILITY Long Description:	GC	**0005060481**	CLOSE	GAS CALL BKR 5W	2	12/13/2005	49961	49961	0.0	12/13/2005
FACILITY Long Description:	CMP	**0004961400**	CLOSE	0500-17 ANNUAL COMPRESSOR BKR-5W	2	11/30/2005	MAXADMIN	28990	2.0	10/8/2006
FACILITY Long Description:	GC	**0000349556**	CLOSE	GAS CALL BKR 5W	2	11/3/2005	49961	49961	0.0	11/3/2005
FACILITY Long Description:	CMP	**0000341276**	CLOSE	0500-28 BKR WINTERIZATION INSP 5W	2	9/25/2005	PMWOGEN	28990	2.0	12/29/2005
FACILITY Long Description:	GC	**0000337484**	CLOSE	GAS CALL BKR 5W	2	9/13/2005	49961	49961	0.0	9/13/2005
FACILITY Long Description:	CMP	**0000313884**	CLOSE	0500-02 DEW POINT TESTING -BKR 5W	4	5/2/2005	19093	28990	4.0	7/24/2005
FACILITY Long Description:	GC	**0000310947**	CLOSE	GAS CALL BKR 5W	2	4/16/2005	49961	49961	0.0	4/16/2005
FACILITY Long Description:	GC	**0000306118**	CLOSE	GAS CALL BKR 5W	2	3/21/2005	84659	84659	0.0	3/21/2005
FACILITY Long Description:	GC	**0000305674**	CLOSE	GAS CALL BKR 5W	2	3/18/2005	49961	49961	0.0	3/18/2005

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MAXIMO REPORT: EQUIPMENT HISTORY

Station: VERNON **Equipment: BKR-0002772** **VERNON-CIRCUIT BREAKER-5W **RETIRED****

RESP AREA	WORK TYPE	WORK NUMBER	STATUS	DESCRIPTION	PRTY	REPORT DATE	REPORTED BY	SUPV	HRS	ACTUAL FINISH
FACILITY Long Description:	CM	**0000305666**	CLOSE	REPAIR SF6 LEAKS	5	3/18/2005	14952	14952	64.0	4/12/2005
FACILITY Long Description:	GC	**0000305338**	CLOSE	GAS CALL BKR 5W	2	3/15/2005	49961	49961	0.0	3/15/2005
FACILITY Long Description:	GC	**0000303531**	CLOSE	GAS CALL BKR 5W	2	3/7/2005	49961	49961	0.0	3/7/2005
FACILITY Long Description:	GC	**0000303056**	CLOSE	GAS CALL BKR 5W	2	3/2/2005	49961	49961	0.0	3/2/2005
FACILITY Long Description:	CMP	**0000301153**	CLOSE	0500-28 BKR SUMMERIZATION INSP 5W	4	2/25/2005	PMWOGEN	28990	0.0	5/22/2005
FACILITY Long Description:	GC	**0000298726**	CLOSE	GAS CALL BKR 5W	2	2/24/2005	49961	49961	0.0	2/24/2005
FACILITY Long Description:	GC	**0000298149**	CLOSE	GAS CALL BKR 5W	2	2/17/2005	49961	49961	0.0	2/17/2005
FACILITY Long Description:	GC	**0000297866**	CLOSE	GAS CALL BKR 5W	2	2/14/2005	49961	49961	0.0	2/14/2005
FACILITY Long Description:	GC	**0000297571**	CLOSE	GAS CALL BKR 5W	2	2/11/2005	49961	49961	0.0	2/11/2005
FACILITY Long Description:	GC	**0000297178**	CLOSE	GAS CALL BKR 5W	2	2/7/2005	49961	49961	0.0	2/7/2005
FACILITY Long Description:	GC	**0000296756**	CLOSE	GAS CALL BKR 5W	2	2/3/2005	49961	49961	0.0	2/3/2005
FACILITY Long Description:	GC	**0000296099**	CLOSE	GAS CALL BKR 5W	2	1/27/2005	49961	49961	0.0	1/27/2005
FACILITY Long Description:	GC	**0000294135**	CLOSE	GAS CALL BKR 5W	2	1/20/2005	49961	49961	0.0	1/20/2005
FACILITY Long Description:	GC	**0000292815**	CLOSE	GAS CALL BKR 5W	2	1/11/2005	49961	49961	0.0	1/11/2005

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MAXIMO REPORT: EQUIPMENT HISTORY

Station: VERNON **Equipment: BKR-0002772** **VERNON-CIRCUIT BREAKER-5W **RETIRED****

RESP AREA	WORK TYPE	WORK NUMBER	STATUS	DESCRIPTION	PRTY	REPORT DATE	REPORTED BY	SUPV	HRS	ACTUAL FINISH
FACILITY Long Description:	GC	**0000291923**	CLOSE	GAS CALL BKR 5W	2	1/5/2005	49961	49961	0.0	1/5/2005
FACILITY Long Description:	GC	**0000286741**	CLOSE	GAS CALL BKR 5W	2	12/24/2004	49961	49961	0.0	12/24/2004
FACILITY Long Description:	GC	**0000286279**	CLOSE	GAS CALL BKR 5W	2	12/20/2004	49961	49961	0.0	12/20/2004
FACILITY Long Description:	GC	**0000285316**	CLOSE	GAS CALL BKR 5W	2	12/15/2004	49961	49961	0.0	12/15/2004
FACILITY Long Description:	GC	**0000284987**	CLOSE	GAS CALL BKR 5W	2	12/12/2004	49961	49961	0.0	12/12/2004
FACILITY Long Description:	GC	**0000284707**	CLOSE	GAS CALL BKR 5W	2	12/7/2004	49961	49961	0.0	12/7/2004
FACILITY Long Description:	GC	**0000284464**	CLOSE	GAS CALL BKR 5W	2	12/3/2004	49961	84659	12.0	12/3/2004
FACILITY Long Description:	CMP	**0000282354**	CLOSE	0500-17 ANNUAL COMPRESSOR BKR-5W	4	11/25/2004	PMWOGEN	28990	2.0	11/28/2005
FACILITY Long Description:	GC	**0000281656**	CLOSE	GAS CALL BKR 5W	2	11/22/2004	49961	49961	0.0	11/22/2004
FACILITY Long Description:	GC	**0000281184**	CLOSE	GAS CALL BKR 5W	2	11/15/2004	49961	49961	0.0	11/15/2004
FACILITY Long Description:	GC	**0000280780**	CLOSE	GAS CALL BKR 5W	2	11/9/2004	49961	49961	0.0	11/9/2004
FACILITY Long Description:	GC	**0000280424**	CLOSE	GAS CALL BKR 5W	2	11/4/2004	49961	49961	0.0	11/4/2004
FACILITY Long Description:	CM	**0000280116**	CLOSE	REPAIR GAS LEAKS	2	11/1/2004	47337	14952	28.0	11/15/2004
FACILITY Long Description:	GC	**0000279482**	CLOSE	GAS CALL BKR 5W	2	10/27/2004	49961	49961	0.0	10/27/2004

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MAXIMO REPORT: EQUIPMENT HISTORY

Station: VERNON **Equipment: BKR-0002772** **VERNON-CIRCUIT BREAKER-5W **RETIRED****

RESP AREA	WORK TYPE	WORK NUMBER	STATUS	DESCRIPTION	PRTY	REPORT DATE	REPORTED BY	SUPV	HRS	ACTUAL FINISH
FACILITY Long Description:	GC	**0000277447**	CLOSE	GAS CALL BKR 5W	2	10/25/2004	49961	49961	0.0	10/25/2004
FACILITY Long Description:	GC	**0000276938**	CLOSE	GAS CALL BKR 5W	2	10/20/2004	49961	49961	0.0	10/20/2004
FACILITY Long Description:	GC	**0000276276**	CLOSE	GAS CALL BKR 5W	2	10/8/2004	49961	49961	0.0	10/8/2004
FACILITY Long Description:	GC	**0000276035**	CLOSE	GAS CALL BKR 5W	2	10/5/2004	49961	49961	0.0	10/5/2004
FACILITY Long Description:	GC	**0000275505**	CLOSE	GAS CALL BKR 5W	2	9/30/2004	49961	49961	0.0	9/30/2004
FACILITY Long Description:	GC	**0000275294**	CLOSE	GAS CALL BKR 5W	2	9/28/2004	49961	49961	0.0	9/28/2004
FACILITY Long Description:	CMP	**0000274506**	CLOSE	0500-28 BKR WINTERIZATION INSP 5W	4	9/25/2004	PMWOGEN	28990	0.0	12/16/2004
FACILITY Long Description:	GC	**0000271803**	CLOSE	GAS CALL BKR 5W	2	9/15/2004	49961	49961	0.0	9/16/2004
FACILITY Long Description:	GC	**0000271000**	CLOSE	GAS CALL BKR 5W	2	9/7/2004	49961	49961	0.0	9/7/2004
FACILITY Long Description:	GC	**0000270646**	CLOSE	GAS CALL BKR 5W	2	8/31/2004	49961	49961	0.0	8/31/2004
FACILITY Long Description:	CM	**0000270631**	CLOSE	CHECKED ALL BKRS FOR GAS LEAKS (CAMERA)	4	8/31/2004	08050	08050	86.0	8/29/2005
FACILITY Long Description:	GC	**0000270406**	CLOSE	GAS CALL BKR 5W	2	8/27/2004	49961	49961	0.0	8/27/2004
FACILITY Long Description:	GC	**0000268722**	CLOSE	GAS CALL BKR 5W	2	8/25/2004	49961	49961	0.0	8/25/2004
FACILITY Long Description:	CM	**0000268028**	CLOSE	DEFECTIVE AA-10 MECH	2	8/15/2004	52741	14952	564.5	1/19/2005

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MAXIMO REPORT: EQUIPMENT HISTORY

Station: VERNON **Equipment: BKR-0002772** **VERNON-CIRCUIT BREAKER-5W **RETIRED****

RESP AREA	WORK TYPE	WORK NUMBER	STATUS	DESCRIPTION	PRTY	REPORT DATE	REPORTED BY	SUPV	HRS	ACTUAL FINISH
FACILITY Long Description:	GC	**0000267385**	CLOSE	GAS CALL BKR 5W	2	8/6/2004	49961	49961	0.0	8/6/2004
FACILITY Long Description:	GC	**0000267010**	CLOSE	GAS CALL BKR 5W	2	8/4/2004	49961	49961	0.0	8/4/2004
FACILITY Long Description:	GC	**0000266187**	CLOSE	GAS CALL BKR 5W	2	7/29/2004	49961	49961	0.0	7/29/2004
FACILITY Long Description:	GC	**0000263396**	CLOSE	GAS CALL BKR 5W	2	7/8/2004	49961	49961	0.0	7/8/2004
FACILITY Long Description:	GC	**0000262923**	CLOSE	GAS CALL BKR 5W	2	7/2/2004	49961	49961	0.0	7/2/2004
FACILITY Long Description:	GC	**0000260904**	CLOSE	GAS CALL BKR 5W	2	6/25/2004	49961	49961	0.0	6/25/2004
FACILITY Long Description:	GC	**0000259671**	CLOSE	GAS CALL BKR 5W	2	6/16/2004	49961	49961	0.0	6/16/2004
FACILITY Long Description:	GC	**0000259096**	CLOSE	GAS CALL BKR 5W	2	6/7/2004	49961	49961	0.0	6/11/2004
FACILITY Long Description:	GC	**0000258797**	CLOSE	GAS CALL BKR 5W	2	6/3/2004	49961	49961	0.0	6/3/2004
FACILITY Long Description:	GC	**0000254520**	CLOSE	GAS CALL BKR 5W	2	5/12/2004	49961	49961	0.0	5/12/2004
FACILITY Long Description:	GC	**0000254179**	CLOSE	GAS CALL BKR 5W	2	5/6/2004	49961	49961	0.0	5/6/2004
FACILITY Long Description:	GC	**0000253625**	CLOSE	GAS CALL BKR 5W	2	4/30/2004	49961	49961	0.0	4/30/2004
FACILITY Long Description:	CMP	**0000253024**	CLOSE	0500-02 DEW POINT TESTING -BKR 5W	4	4/25/2004	PMWOGEN	28990	2.0	7/24/2004
FACILITY Long Description:	GC	**0000251846**	CLOSE	GAS CALL BKR 5W	2	4/24/2004	49961	49961	0.0	4/24/2004

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MAXIMO REPORT: EQUIPMENT HISTORY

Station: VERNON **Equipment: BKR-0002772** **VERNON-CIRCUIT BREAKER-5W **RETIRED****

RESP AREA	WORK TYPE	WORK NUMBER	STATUS	DESCRIPTION	PRTY	REPORT DATE	REPORTED BY	SUPV	HRS	ACTUAL FINISH
FACILITY Long Description:	GC	**0000251075**	CLOSE	GAS CALL BKR 5W	2	4/13/2004	49961	49961	0.0	4/13/2004
FACILITY Long Description:	CMP	**0000245831**	CLOSE	0500-28 BKR SUMMERIZATION INSP 5W	4	2/28/2004	PMWOGEN	28990	2.0	5/23/2004
FACILITY Long Description:	GC	**0000242866**	CLOSE	GAS CALL BKR 5W	2	2/16/2004	49961	49961	0.0	2/16/2004
FACILITY Long Description:	GC	**0000240057**	CLOSE	GAS CALL BKR 5W	2	1/21/2004	49961	49961	0.0	1/21/2004
FACILITY Long Description:	GC	**0000239493**	CLOSE	GAS CALL BKR 5W	2	1/12/2004	49961	49961	0.0	1/12/2004
FACILITY Long Description:	GC	**0000239146**	CLOSE	GAS CALL BKR 5W	2	1/6/2004	49961	49961	0.0	1/6/2004
FACILITY Long Description:	GC	**0000238634**	CLOSE	GAS CALL BKR 5W	2	12/28/2003	19201	19201	0.0	12/28/2003
FACILITY Long Description:	GC	**0000236978**	CLOSE	GAS CALL BKR 5W	2	12/19/2003	49961	49961	0.0	12/19/2003
FACILITY Long Description:	GC	**0000236039**	CLOSE	GAS CALL BKR 5W	2	12/10/2003	49961	49961	0.0	12/10/2003
FACILITY Long Description:	GC	**0000235667**	CLOSE	GAS CALL BKR 5W	2	12/3/2003	49961	49961	0.0	12/3/2003
FACILITY Long Description:	CMP	**0000233489**	CLOSE	0500-17 ANNUAL COMPRESSOR BKR-5W	4	11/25/2003	PMWOGEN	28990	2.0	11/7/2004
FACILITY Long Description:	GC	**0000231564**	CLOSE	GAS CALL BKR 5W	2	10/31/2003	49961	49961	0.0	10/31/2003
FACILITY Long Description:	CMP	**0000224824**	CLOSE	0500-28 BKR SUMM/WINT INSP 5W	4	9/29/2003	03710	28990	0.0	5/12/2004
FACILITY Long Description:	GC	**0000224151**	CLOSE	GAS CALL BKR 5W	2	9/22/2003	49961	49961	0.0	9/22/2003

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MAXIMO REPORT: EQUIPMENT HISTORY

Station: VERNON **Equipment: BKR-0002772** **VERNON-CIRCUIT BREAKER-5W **RETIRED****

RESP AREA	WORK TYPE	WORK NUMBER	STATUS	DESCRIPTION	PRTY	REPORT DATE	REPORTED BY	SUPV	HRS	ACTUAL FINISH
FACILITY Long Description:	GC	**0000220706**	CLOSE	GAS CALL BKR 5W	2	8/26/2003	49961	14952	0.0	8/26/2003
FACILITY Long Description:	GC	**0000220058**	CLOSE	GAS CALL BKR 5W	2	8/13/2003	49961	49961	0.0	8/13/2003
FACILITY Long Description:	GC	**0000217475**	CLOSE	GAS CALL BKR 5W	2	7/28/2003	49961	49961	0.0	7/28/2003
FACILITY Long Description:	CM	**0000214964**	CLOSE	ASSIST PST - BKR 25 FEED PROBLEM	3	7/3/2003	52741	14952	15.0	7/7/2003
FACILITY Long Description:	GC	**0000213290**	CLOSE	GAS CALL BKR 5W	2	6/23/2003	49961	49961	0.0	6/23/2003
FACILITY Long Description:	GC	**0000212642**	CLOSE	GAS CALL BKR 5W	2	6/14/2003	19201	19201	0.0	6/14/2003
FACILITY Long Description:	GC	**0000211846**	CLOSE	GAS CALL BKR 5W	2	6/6/2003	49961	49961	0.0	6/6/2003
FACILITY Long Description:	GC	**0000209269**	CLOSE	GAS CALL BKR 5W	2	5/22/2003	49961	49961	0.0	5/22/2003
FACILITY Long Description:	CMP	**0000206675**	CLOSE	0500-02 DEW POINT TESTING -BKR 5W	2	5/1/2003	52741	28990	0.0	6/23/2003
FACILITY Long Description:	GC	**0000205020**	CLOSE	GAS CALL BKR 5W	2	4/16/2003	49961	49961	0.0	12/10/2003
FACILITY Long Description:	GC	**0000205019**	CLOSE	GAS CALL BKR 5W	2	4/16/2003	49961	49961	0.0	4/16/2003
FACILITY Long Description:	GC	**0000200651**	CLOSE	GAS CALL BKR 5W	2	3/13/2003	49961	49961	0.0	3/13/2003
FACILITY Long Description:	GC	**0000194858**	CLOSE	GAS CALL BKR 5W	2	1/31/2003	49961	49961	0.0	1/31/2003
FACILITY Long Description:	GC	**0000194396**	CLOSE	GAS CALL BKR 5W	2	1/24/2003	49961	49961	0.0	1/24/2003

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MAXIMO REPORT: EQUIPMENT HISTORY

Station: VERNON **Equipment: BKR-0002772** **VERNON-CIRCUIT BREAKER-5W **RETIRED****

RESP AREA	WORK TYPE	WORK NUMBER	STATUS	DESCRIPTION	PRTY	REPORT DATE	REPORTED BY	SUPV	HRS	ACTUAL FINISH
FACILITY Long Description:	GC	**0000194395**	CLOSE	GAS CALL BKR 5W	2	1/24/2003	49961		0.0	2/20/2003
FACILITY Long Description:	CMP	**0000187616**	CLOSE	0500-28 BKR SUMM/WINT INSP 5W	2	12/2/2002	03710		3.0	6/23/2003
FACILITY Long Description:	CMP	**0000187485**	CLOSE	0500-17 ANNUAL COMPRESSOR BKR-5W	2	12/2/2002	03710	14952	1.0	12/17/2003
FACILITY Long Description:	GC	**0000175020**	CLOSE	GAS CALL GCB/1380SF6 5W	2	9/5/2002	03710		0.0	10/25/2002
FACILITY Long Description:	GC	**0000172879**	CLOSE	GAS CALL GCB/1380SF6 5W	2	8/27/2002	03710	85180	0.0	9/4/2002
FACILITY Long Description:	GC	**0000170204**	CLOSE	GAS CALL GCB/1380SF6 5W	2	8/1/2002	03710		0.0	8/9/2002
FACILITY Long Description:	GC	**0000169235**	CLOSE	GAS CALL GCB/1380SF6 5W	2	7/23/2002	03710		0.0	8/9/2002
FACILITY Long Description:	GC	**0000166083**	CLOSE	GAS CALL GCB/1380SF6 5W	2	6/25/2002	03710		0.0	8/9/2002
FACILITY Long Description:	CMP	**0000164362**	CLOSE	0500-28 BKR SUMM/WINT INSP 5W	2	6/4/2002	03710		1.0	7/8/2002
FACILITY Long Description:	GC	**0000163545**	CLOSE	GAS CALL GCB/1380SF6 5W	2	5/31/2002	03710	85180	0.0	2/20/2003
FACILITY Long Description:	GC	**0000162519**	CLOSE	GAS CALL GCB/1380SF6 5W	2	5/24/2002	03710	85180	0.0	2/20/2003
FACILITY Long Description:	GC	**0000161902**	CLOSE	GAS CALL GCB/1380SF6 5W	2	5/17/2002	03710		0.0	5/20/2002
FACILITY Long Description:	CM	**0000161617**	CLOSE	REPAIR GAS LEAKS	4	5/14/2002	47337		93.0	2/20/2003
FACILITY Long Description:	GC	**0000161110**	CLOSE	GAS CALL GCB/1380SF6 5W	2	5/7/2002	03710		0.0	5/20/2002

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MAXIMO REPORT: EQUIPMENT HISTORY

Station: VERNON **Equipment: BKR-0002772** **VERNON-CIRCUIT BREAKER-5W **RETIRED****

RESP AREA	WORK TYPE	WORK NUMBER	STATUS	DESCRIPTION	PRTY	REPORT DATE	REPORTED BY	SUPV	HRS	ACTUAL FINISH
FACILITY Long Description:	CMP	**0000160552**	CLOSE	0500-02 DEW POINT TESTING -BKR 5W	2	5/1/2002	03710	28990	1.0	6/18/2002
FACILITY Long Description:	GC	**0000156945**	CLOSE	GAS CALL GCB/1380SF6 5W	2	4/9/2002	03710		0.0	5/20/2002
FACILITY Long Description:	GC	**0000153979**	CLOSE	GAS CALL GCB/1380SF6 5W	2	3/20/2002	03710		0.0	5/20/2002
FACILITY Long Description:	GC	**0000152994**	CLOSE	GAS CALL GCB/1380SF6 5W	2	3/13/2002	03710		0.0	5/20/2002
FACILITY Long Description:	GC	**0000152212**	CLOSE	GAS CALL GCB/1380SF6 5W	2	3/4/2002	03710		0.0	3/12/2002
FACILITY Long Description:	GC	**0000148561**	CLOSE	GAS CALL GCB/1380SF6 5W	2	2/8/2002	03710		0.0	2/26/2002
FACILITY Long Description:	GC	**0000139930**	CLOSE	GAS CALL GCB/1380SF6 5W	1	12/3/2001	03710		0.0	12/17/2001
FACILITY Long Description:	CMP	**0000139468**	CLOSE	0500-28 BKR SUMM/WINT INSP 5W	1	12/3/2001	03710		1.0	12/12/2001
FACILITY Long Description:	CMP	**0000139414**	CLOSE	0500-17 ANNUAL COMPRESSOR BKR-5W	9	12/3/2001	03710		1.0	12/17/2001
FACILITY Long Description:	GC	**0000132097**	CLOSE	GAS CALL- BKR 5W	1	10/4/2001	49961		0.0	10/16/2001
FACILITY Long Description:	GC	**0000124073**	CLOSE	GAS CALL- BKR 5W	1	8/8/2001	03710		0.0	8/29/2001
FACILITY Long Description:	GC	**0000124019**	CLOSE	GAS CALL- BKR 5W	1	8/7/2001	03710		0.0	8/29/2001
PROTSYS Long Description:	SR	**0000122168**	CLOSE	ASSIST MAINT BKR 5W GRD	9	7/30/2001	38258		16.0	10/18/2001
FACILITY Long Description:	CM	**0000122108**	CLOSE	BREAKER 5W HAVING PROBLEM CLOSING	9	7/28/2001	85180	85180	94.0	9/12/2001

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MAXIMO REPORT: EQUIPMENT HISTORY

Station: VERNON **Equipment: BKR-0002772** **VERNON-CIRCUIT BREAKER-5W **RETIRED****

RESP AREA	WORK TYPE	WORK NUMBER	STATUS	DESCRIPTION	PRTY	REPORT DATE	REPORTED BY	SUPV	HRS	ACTUAL FINISH
FACILITY Long Description:	GC	**0000121926**	CLOSE	GAS CALL- BKR 5W	1	7/25/2001	03710		0.0	8/29/2001
FACILITY Long Description:	CMP	**0000120351**	CLOSE	0500-02 DEW POINT TESTING -BKR 5W	9	7/11/2001	03710	28990	1.0	11/26/2001
PROTSYS Long Description:	SR	**0000120016**	CLOSE	38Q03 - 410144 2 HR CALL	9	7/6/2001	38258		22.0	10/18/2001
FACILITY Long Description:	GC	**0000116816**	CLOSE	GAS CALL- BKR 5W	1	6/13/2001	03710		0.0	8/29/2001
FACILITY Long Description:	CMP	**0000115868**	CLOSE	0500-28 BKR SUMM/WINT INSP 5W	1	6/4/2001	03710		1.0	6/14/2001
FACILITY Long Description:	GC	**0000114045**	CLOSE	GAS CALL- BKR 5W	1	5/21/2001	03710		0.0	8/29/2001
FACILITY Long Description:	GC	**0000112863**	CLOSE	GAS CALL - BKR 5W	2	5/7/2001	49961		0.0	1/11/2003
FACILITY Long Description:	CMP	**0000111887**	CLOSE	0500-02 DEW POINT TESTING -BKR 5W	1	5/1/2001	03710		1.0	6/14/2001
FACILITY Long Description:	GC	**0000110781**	CLOSE	GAS CALL- BKR 5W	1	4/27/2001	03710		0.0	5/7/2001
FACILITY Long Description:	GC	**0000109774**	CLOSE	GAS CALL- BKR 5W	1	4/18/2001	03710		0.0	5/7/2001
FACILITY Long Description:	GC	**0000104068**	CLOSE	GAS CALL- BKR 5W	1	3/13/2001	03710		0.0	5/7/2001
FACILITY Long Description:	GC	**0000104063**	CLOSE	GAS CALL- BKR 5W	1	3/13/2001	03710		0.0	5/7/2001
FACILITY Long Description:	GC	**0000099860**	CLOSE	GAS CALL- BKR 5W	1	2/28/2001	03710		0.0	5/7/2001
FACILITY Long Description:	GC	**0000098514**	CLOSE	GAS CALL- BKR 5W	1	2/16/2001	03710		0.0	5/7/2001

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MAXIMO REPORT: EQUIPMENT HISTORY

Station: VERNON **Equipment: BKR-0002772** **VERNON-CIRCUIT BREAKER-5W **RETIRED****

RESP AREA	WORK TYPE	WORK NUMBER	STATUS	DESCRIPTION	PRTY	REPORT DATE	REPORTED BY	SUPV	HRS	ACTUAL FINISH
FACILITY Long Description:	CMP	**0000096466**	CLOSE	0500-02 DEW POINT TESTING -BKR 5W	1	2/1/2001	03710		1.5	2/27/2001
FACILITY Long Description:	GC	**0000096274**	CLOSE	GAS CALL- BKR 5W	1	1/31/2001	49961		0.0	5/7/2001
FACILITY Long Description:	GC	**0000092459**	CLOSE	GAS CALL GCB/1380SF6 5W	1	12/30/2000	14265		0.0	5/7/2001
FACILITY Long Description:	GC	**0000091148**	CLOSE	GAS CALL GCB/1380SF6 5W	2	12/22/2000	03710		1.0	1/2/2003
FACILITY Long Description:	CMP	**0000078383**	CLOSE	0500-02 DEW POINT TESTING -BKR 5W	9	10/31/2000	03710		0.0	12/5/2000
FACILITY Long Description:	CMP	**0000073371**	CLOSE	0500-28 BKR SUMM/WINT INSP 5W	1	9/15/2000	03710		1.0	11/30/2000
FACILITY Long Description:	CMP	**0000073319**	CLOSE	0500-17 ANNUAL COMPRESSOR BKR-5W	9	9/15/2000	03710		1.0	12/5/2000
FACILITY Long Description:	CMP	**0000068532**	CLOSE	0500-02 DEW POINT TESTING -BKR 5W	1	7/31/2000	03710		0.0	12/5/2000
FACILITY Long Description:	GC	**0000067877**	CLOSE	GAS CALL GCB/1380SF6 5W	1	7/25/2000	14265		0.0	12/22/2000
FACILITY Long Description:	GC	**0000065139**	CLOSE	GAS CALL GCB/1380SF6 5W	1	6/28/2000	14265		0.0	12/22/2000
FACILITY Long Description:	CMP	**0000062570**	CLOSE	0500-02 DEW POINT TESTING -BKR 5W	1	6/1/2000	03710		0.0	6/28/2000
FACILITY Long Description:	CMP	**0000058529**	CLOSE	0500-02-SF6 DEW POINT TEST	1	4/26/2000	03710		0.0	6/1/2000
FACILITY Long Description:	CMP	**0000058528**	CLOSE	0500-02-SF6 DEW POINT TEST	1	4/26/2000	03710		0.0	6/1/2000
FACILITY Long Description:	CMP	**0000058527**	CLOSE	0500-02-SF6 DEW POINT TEST	1	4/26/2000	03710		0.0	6/1/2000

Redacted

MAXIMO REPORT: EQUIPMENT HISTORY

Station: VERNON **Equipment: BKR-0002772** **VERNON-CIRCUIT BREAKER-5W **RETIRED****

RESP AREA	WORK TYPE	WORK NUMBER	STATUS	DESCRIPTION	PRTY	REPORT DATE	REPORTED BY	SUPV	HRS	ACTUAL FINISH
FACILITY Long Description:	CMP	**0000058526**	CLOSE	0500-28 BKR SUMM/WINT INSP 5W	1	4/26/2000	03710		0.0	5/31/2000
FACILITY Long Description:	GC	**0000052721**	CLOSE	GAS CALL GCB/1380SF6 5W	1	3/4/2000	14072		0.0	12/22/2000
FACILITY Long Description:	GC	**0000049446**	CLOSE	GAS CALL GCB/1380SF6 5W	1	2/5/2000	19006		0.0	12/22/2000
FACILITY Long Description:	GC	**0000039448**	CLOSE	GAS CALL GCB/1380SF6 5W	1	10/29/1999	14091		1.0	12/22/2000
FACILITY Long Description:	CMP	**0000020475**	CLOSE	500-02-SF6 DEW POINT TEST	1	5/26/1999	98219		0.0	5/26/1999
FACILITY Long Description:	CMP	**0000020474**	CLOSE	500-28-CIR BKRS WINTERIZATION IN	1	5/26/1999	98219		0.0	5/26/1999

187 total work order(s) having 1901.5 hours.

Redacted

MAXIMO REPORT: EQUIPMENT HISTORY

Station: QUEENSBRIDGE **Equipment: BKR-0002806** **QB-CIRCUIT BREAKER- 2E **RETIRED****

RESP AREA	WORK TYPE	WORK NUMBER	STATUS	DESCRIPTION	PRTY	REPORT DATE	REPORTED BY	SUPV	HRS	ACTUAL FINISH
AUXSUP Long Description:	CAP	**0006817916**	CLOSE	QB - BKR 2E & 3E- HIPOT AFTER REPLACEMENT	5	4/18/2007	49436	49436	40.0	4/18/2007
FACILITY Long Description:	CAP	**0006793354**	CLOSE	ADD GAS TO BKR. 2E	5	4/2/2007	14952	14952	54.0	5/3/2007
FACILITY Long Description:	CAP	**0006721009**	CLOSE	RETIRE BKR 2E	5	3/23/2007	14952	14952	83.5	3/27/2007
PROTSYS Long Description:	CAP	**0006717931**	CLOSE	QB - BKRS 2E & 3E DISCREPANCIES & DELAYS	5	3/21/2007	49736		33.0	4/28/2007
PROTSYS Long Description:	CAP	**0006717884**	CLOSE	QB - BKR 2E REPLACEMENT	5	3/21/2007	49736		383.0	6/26/2007
PROTSYS Long Description:	CAP	**0006717756**	CLOSE	QB - BKR 2E RETIREMENT	5	3/21/2007	49736		39.0	3/27/2007
FACILITY Long Description:	GC	**0006458858**	CLOSE	GAS CALL BKR 2E	2	1/12/2007	18839	18839	0.0	1/12/2007
FACILITY Long Description:	GC	**0006383304**	CLOSE	GAS CALL BKR 2E	2	12/20/2006	18839	18839	0.0	12/20/2006
FACILITY Long Description:	CMP	**0006179945**	CLOSE	0500-28 BKR WINTERIZATION INSP 2E	2	10/31/2006	MAXADMIN	28990	2.0	12/31/2006
FACILITY Long Description:	GC	**0005754655**	CLOSE	GAS CALL BKR 2E	2	6/18/2006	18839	18839	0.0	6/18/2006
FACILITY Long Description:	CMP	**0005346756**	CLOSE	0500-28 BKR SUMMERIZATION INSP 2E	2	2/28/2006	MAXADMIN	28990	0.0	4/23/2006
FACILITY Long Description:	CMP	**0000345188**	CLOSE	0500-28 BKR WINTERIZATION INSP 2E	2	10/25/2005	PMWOGEN	28990	2.0	12/4/2005
FACILITY Long Description:	CMP	**0000344961**	CLOSE	0500-17 ANNUAL COMPRESSOR BKR 2E	2	10/25/2005	PMWOGEN	28990	2.0	8/26/2006
FACILITY	CM	**0000338159**	CLOSE	REPLACE TEMPORARIES ON 2E AND ASSOCIATED DISCS.	5	9/15/2005	08050	14952	39.0	12/23/2005

Long Description: **wires from RH to breaker grounded.**

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MAXIMO REPORT: EQUIPMENT HISTORY

Station: QUEENSBRIDGE **Equipment: BKR-0002806** **QB-CIRCUIT BREAKER- 2E **RETIRED****

RESP AREA	WORK TYPE	WORK NUMBER	STATUS	DESCRIPTION	PRTY	REPORT DATE	REPORTED BY	SUPV	HRS	ACTUAL FINISH
FACILITY	CM	**0000324182**	CLOSE	TROUBLESHOOT AND CLEAR GROUND GOING TO 2E	5	6/23/2005	08050	08050	8.0	12/23/2005
Long Description:										
FACILITY	CMP	**0000301166**	CLOSE	0500-28 BKR SUMMERIZATION INSP 2E	4	2/25/2005	PMWOGEN	28990	2.0	5/3/2005
Long Description:										
FACILITY	CMP	**0000278940**	CLOSE	0500-28 BKR WINTERIZATION INSP 2E	4	10/25/2004	PMWOGEN	28990	2.0	1/18/2005
Long Description:										
FACILITY	CMP	**0000278136**	CLOSE	0500-17 ANNUAL COMPRESSOR BKR 2E	4	10/25/2004	PMWOGEN	28990	2.0	9/27/2005
Long Description:										
FACILITY	ALARM	**0000254315**	CLOSE	TROUBLE SHOOT GROUND	5	5/10/2004	14952	14952	10.0	5/11/2004
Long Description:										
FACILITY	CMP	**0000245844**	CLOSE	0500-28 BKR SUMMERIZATION INSP 2E	4	2/28/2004	PMWOGEN	28990	2.0	5/9/2004
Long Description:										
FACILITY	CMP	**0000230879**	CLOSE	0500-17 ANNUAL COMPRESSOR BKR-2E	4	10/30/2003	PMWOGEN	28990	2.0	10/19/2004
Long Description:										
FACILITY	CMP	**0000230865**	CLOSE	0500-17 ANNUAL COMPRESSOR BKR 2E	4	10/30/2003	PMWOGEN	28990	2.0	10/12/2004
Long Description:										
FACILITY	CMP	**0000224835**	CLOSE	0500-28 BKR SUMM/WINT INSP 2E	4	9/29/2003	03710	28990	2.0	4/6/2004
Long Description:										
FACILITY	CMP	**0000206688**	CLOSE	0500-28 BKR SUMM/WINT INSP 2E	2	5/1/2003	52741		1.0	5/19/2003
Long Description:										
FACILITY	CM	**0000200129**	CLOSE	AIR COMPRESSOR RUNS CONSTANTLY AND UNABLE TO MAINTAIN PROPER PRESSURE ALSO BURNI	2	3/7/2003	14072		8.0	5/1/2003
Long Description:	**ALSO BURNING SMELL IN CABINET.**									
FACILITY	CMP	**0000184995**	CLOSE	0500-28 BKR SUMM/WINT INSP 2E	2	11/4/2002	03710		1.0	12/10/2002
Long Description:										
FACILITY	CMP	**0000184928**	CLOSE	0500-17 ANNUAL COMPRESSOR BKR-2E	2	11/4/2002	03710		1.0	12/17/2002
Long Description:										

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MAXIMO REPORT: EQUIPMENT HISTORY

Station: QUEENSBRIDGE **Equipment: BKR-0002806** **QB-CIRCUIT BREAKER- 2E **RETIRED****

RESP AREA	WORK TYPE	WORK NUMBER	STATUS	DESCRIPTION	PRTY	REPORT DATE	REPORTED BY	SUPV	HRS	ACTUAL FINISH
FACILITY Long Description:	CMP	**0000184909**	CLOSE	0500-17 ANNUAL COMPRESSOR BKR 2E	2	11/4/2002	03710		0.0	12/17/2002
FACILITY Long Description:	CM	**0000181044**	CLOSE	CHECK TRIP COIL AND AUXILLARY SWITCH **and perform any necessary repairs.**	2	10/22/2002	85180	85180	84.0	12/12/2003
FACILITY Long Description:	CM	**0000180826**	CLOSE	BREAKER 2E TRIP INTERPOSING RELAY IS BURNT	4	10/21/2002	21159	85180	30.5	12/12/2003
FACILITY Long Description:	CM	**0000172061**	CLOSE	48 V GROUND	2	8/16/2002	18727		86.0	9/14/2002
FACILITY Long Description:	CM	**0000169537**	CLOSE	REPAIR 48 VDC WIRING GROUNDS	3	7/29/2002	47337		0.0	12/12/2003
FACILITY Long Description:	CMP	**0000160565**	CLOSE	0500-28 BKR SUMM/WINT INSP 2E	2	5/1/2002	03710		1.0	5/13/2002
FACILITY Long Description:	CMP	**0000135850**	CLOSE	0500-28 BKR SUMM/WINT INSP 2E	1	11/1/2001	03710		0.5	11/22/2001
FACILITY Long Description:	CMP	**0000135586**	CLOSE	0500-17 ANNUAL COMPRESSOR BKR 2E	9	11/1/2001	03710		0.5	11/29/2001
FACILITY Long Description:	CMP	**0000135569**	CLOSE	0500-17 ANNUAL COMPRESSOR BKR-2E	9	11/1/2001	03710		0.0	11/29/2001
FACILITY Long Description:	CM	**0000128666**	CLOSE	REPLACE DEFECTIVE 52Y RELAY	9	9/17/2001	01609		0.0	1/15/2002
FACILITY Long Description:	CMP	**0000111913**	CLOSE	0500-28 BKR SUMM/WINT INSP 2E	1	5/1/2001	03710		0.5	5/24/2001
FACILITY Long Description:	GC	**0000091098**	CLOSE	QB-GAS CALL GCB/CASP45 2E	2	12/22/2000	03710		0.0	3/31/2003
FACILITY Long Description:	CMP	**0000073480**	CLOSE	0500-28 BKR SUMM/WINT INSP 2E	1	9/15/2000	03710		0.0	12/5/2000
FACILITY Long Description:	CMP	**0000073354**	CLOSE	0500-17 ANNUAL COMPRESSOR BKR 2E	9	9/15/2000	03710		1.0	12/5/2000

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MAXIMO REPORT: EQUIPMENT HISTORY

Station: QUEENSBRIDGE **Equipment: BKR-0002806** **QB-CIRCUIT BREAKER- 2E **RETIRED****

RESP AREA	WORK TYPE	WORK NUMBER	STATUS	DESCRIPTION	PRTY	REPORT DATE	REPORTED BY	SUPV	HRS	ACTUAL FINISH
FACILITY Long Description:	CMP	**0000058692**	CLOSE	0500-28 BKR SUMM/WINT INSP 2E	1	4/26/2000	03710		0.0	5/31/2000
FACILITY Long Description:	GC	**0000039358**	CLOSE	GAS CALL GCB/CASP45 2E	1	10/29/1999	14091		0.0	12/22/2000
FACILITY Long Description:	CMP	**0000020643**	CLOSE	500-28-CIR BKRS WINTERIZATION IN	1	5/26/1999	98219		0.0	5/26/1999
FACILITY Long Description:	DT	**0000012589**	CLOSE	QB 138 -BKR- 2E DIAG TEST	1	2/25/1999	45769		378.5	6/18/1999
FACILITY Long Description:	DT	**0000011246**	CLOSE	QB 138- DIAG TEST BKR 2E	9	2/4/1999	45769		0.0	3/1/1999

46 total work order(s) having 1303 hours.

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MAXIMO REPORT: EQUIPMENT HISTORY

Station: QUEENSBRIDGE **Equipment: BKR-0002809** **QB-CIRCUIT BREAKER- 3E **RETIRED****

RESP AREA	WORK TYPE	WORK NUMBER	STATUS	DESCRIPTION	PRTY	REPORT DATE	REPORTED BY	SUPV	HRS	ACTUAL FINISH
FACILITY Long Description:	CAP	**0006793411**	CLOSE	ADD GAD TO BKR. 3E	5	4/2/2007	14952	14952	20.0	4/2/2007
PROTSYS Long Description:	CAP	**0006717908**	CLOSE	QB - BKR 3E REPLACEMENT	5	3/21/2007	49736		376.0	6/16/2007
PROTSYS Long Description:	CAP	**0006717826**	CLOSE	QB - BKR 3E RETIREMENT	5	3/21/2007	49736		69.0	3/29/2007
FACILITY Long Description:	GC	**0006675189**	CLOSE	GAS CALL BKR 3E	2	3/1/2007	14072	14072	0.0	3/1/2007
FACILITY Long Description:	GC	**0006545884**	CLOSE	GAS CALL BKR 3E	2	2/3/2007	85464	85464	0.0	2/4/2007
FACILITY Long Description:	GC	**0006488288**	CLOSE	GAS CALL BKR 3E	2	1/25/2007	14072	14072	0.0	1/25/2007
FACILITY Long Description:	GC	**0006460251**	CLOSE	GAS CALL BKR 3E	2	1/13/2007	18839	18839	0.0	1/13/2007
FACILITY Long Description:	GC	**0006445846**	CLOSE	GAS CALL BKR 3E	2	1/3/2007	14072	14072	0.0	1/3/2007
FACILITY Long Description:	GC	**0006387348**	CLOSE	GAS CALL BKR 3E	2	12/24/2006	14072	14072	0.0	12/24/2006
FACILITY Long Description:	GC	**0006252890**	CLOSE	GAS CALL BKR 3E	2	11/16/2006	14072	14072	0.0	11/16/2006
FACILITY Long Description:	CMP	**0006179980**	CLOSE	0500-28 BKR WINTERIZATION INSP 3E	2	10/31/2006	MAXADMIN	28990	2.0	12/31/2006
FACILITY Long Description:	CM	**0006177817**	CLOSE	REPLACE AIR COMPRESSOR BKR.3E	4	10/30/2006	14952	14952	42.0	10/30/2006
FACILITY Long Description:	GC	**0006165443**	CLOSE	GAS CALL BKR 3E	2	10/20/2006	85994	85994	0.0	10/20/2006
FACILITY Long Description:	GC	**0615499958**	CLOSE	GAS CALL BKR 3E	2	10/12/2006	14072	14072	0.0	10/12/2006

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MAXIMO REPORT: EQUIPMENT HISTORY

Station: QUEENSBRIDGE **Equipment: BKR-0002809** **QB-CIRCUIT BREAKER- 3E **RETIRED****

RESP AREA	WORK TYPE	WORK NUMBER	STATUS	DESCRIPTION	PRTY	REPORT DATE	REPORTED BY	SUPV	HRS	ACTUAL FINISH
FACILITY Long Description:	GC	**0006070308**	CLOSE	GAS CALL BKR 3E	2	9/29/2006	18839	18839	0.0	9/29/2006
FACILITY Long Description:	GC	**0006054356**	CLOSE	GAS CALL BKR 3E	2	9/19/2006	14072	19201	0.0	9/23/2006
FACILITY Long Description:	GC	**0006028918**	CLOSE	GAS CALL BKR 3E	2	9/3/2006	14072	14072	0.0	9/19/2006
FACILITY Long Description:	GC	**0005963411**	CLOSE	GAS CALL BKR 3E	2	8/23/2006	14072	14072	0.0	8/23/2006
FACILITY Long Description:	GC	**0005840899**	CLOSE	GAS CALL BKR 3E	2	7/10/2006	14072	14072	0.0	7/10/2006
FACILITY Long Description:	GC	**0005768568**	CLOSE	GAS CALL BKR 3E	2	6/27/2006	14072	14072	0.0	6/27/2006
FACILITY Long Description:	GC	**0005726583**	CLOSE	GAS CALL BKR 3E	2	6/6/2006	14072	14072	0.0	6/6/2006
FACILITY Long Description:	GC	**0005639036**	CLOSE	GAS CALL BKR 3E	2	5/16/2006	88717	88717	0.0	5/16/2006
FACILITY Long Description:	GC	**0005613276**	CLOSE	GAS CALL BKR 3E	2	5/3/2006	86072	86072	0.0	5/3/2006
FACILITY Long Description:	GC	**0005529245**	CLOSE	GAS CALL BKR 3E	2	4/13/2006	13170	13170	0.0	4/13/2006
FACILITY Long Description:	GC	**0005450571**	CLOSE	GAS CALL BKR 3E	2	3/29/2006	14072	14072	0.0	3/29/2006
FACILITY Long Description:	GC	**0005434932**	CLOSE	GAS CALL BKR 3E	2	3/20/2006	18839	18839	0.0	3/20/2006
FACILITY Long Description:	CMP	**0005346790**	CLOSE	0500-28 BKR SUMMERIZATION INSP 3E	2	2/28/2006	MAXADMIN	28990	0.0	4/23/2006
FACILITY Long Description:	GC	**0005171167**	CLOSE	GAS CALL BKR 3E	2	1/17/2006	14072	14072	0.0	1/30/2006

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MAXIMO REPORT: EQUIPMENT HISTORY

Station: QUEENSBRIDGE **Equipment: BKR-0002809** **QB-CIRCUIT BREAKER- 3E **RETIRED****

RESP AREA	WORK TYPE	WORK NUMBER	STATUS	DESCRIPTION	PRTY	REPORT DATE	REPORTED BY	SUPV	HRS	ACTUAL FINISH
FACILITY Long Description:	GC	**0005170312**	CLOSE	GAS CALL BKR 3E	2	1/16/2006	14072	14072	0.0	1/16/2006
FACILITY Long Description:	CM	**0005028379**	CLOSE	REPAIR SF6 LEAKS	3	12/9/2005	14952	08050	202.5	12/31/2005
FACILITY Long Description:	CMP	**0000345189**	CLOSE	0500-28 BKR WINTERIZATION INSP 3E	2	10/25/2005	PMWOGEN	28990	2.0	12/4/2005
FACILITY Long Description:	CMP	**0000344962**	CLOSE	0500-17 ANNUAL COMPRESSOR BKR 3E	2	10/25/2005	PMWOGEN	28990	2.0	8/26/2006
FACILITY Long Description:	CMP	**0000301167**	CLOSE	0500-28 BKR SUMMERIZATION INSP 3E	4	2/25/2005	PMWOGEN	28990	2.0	5/3/2005
FACILITY Long Description:	CMP	**0000278941**	CLOSE	0500-28 BKR WINTERIZATION INSP 3E	4	10/25/2004	PMWOGEN	28990	2.0	1/18/2005
FACILITY Long Description:	CMP	**0000278137**	CLOSE	0500-17 ANNUAL COMPRESSOR BKR 3E	4	10/25/2004	PMWOGEN	28990	2.0	9/27/2005
FACILITY Long Description:	GC	**0000276533**	CLOSE	GAS CALL BKR 3E	2	10/13/2004	84659	85464	0.0	7/19/2005
FACILITY Long Description:	CMP	**0000245845**	CLOSE	0500-28 BKR SUMMERIZATION INSP 3E	4	2/28/2004	PMWOGEN	28990	2.0	5/9/2004
FACILITY Long Description:	CMP	**0000230880**	CLOSE	0500-17 ANNUAL COMPRESSOR BKR-3E	4	10/30/2003	PMWOGEN	28990	2.0	10/19/2004
FACILITY Long Description:	CMP	**0000230866**	CLOSE	0500-17 ANNUAL COMPRESSOR BKR 3E	4	10/30/2003	PMWOGEN	28990	2.0	10/12/2004

Redacted

MAXIMO REPORT: EQUIPMENT HISTORY

Station: QUEENSBRIDGE **Equipment: BKR-0002809** **QB-CIRCUIT BREAKER- 3E **RETIRED****

RESP AREA	WORK TYPE	WORK NUMBER	STATUS	DESCRIPTION	PRTY	REPORT DATE	REPORTED BY	SUPV	HRS	ACTUAL FINISH
FACILITY	INFO	**0000228579**	CLOSE	CIRCUIT BREAKER- 3E 138 KV OOE2	5	10/22/2003	72593		0.0	10/18/2003

Long Description: **QUEENSBRIDGE**

Equipment Name Voltage Outage
Type OOS Date Projected
Restoration Actual
Restoration Outage Work
Description Contact
QB-CIRCUIT BREAKER- 3E 138 kv OOE2 10/17/2003 19:39 10/18/2003 22:31 SSO - POTENTIAL OPEN POLE ON A PHASE
Outage Step Step Start Step End Work Description Work Location Comments
Working 10/17/2003 20:00 SSM to make repair Disc 2E3. QUEENSBRIDGE Disconnect exercised

PROTSYS	INFO	**0000228564**	CLOSE	SSO/PST - CHECK IMBALANCE ON BREAKER 3E	9	10/22/2003	72593		0.0	10/19/2003

Long Description: **QUEENSBRIDGE**

Equipment Name Voltage Outage
Type OOS Date Projected
Restoration Actual
Restoration Outage Work
Description Contact
QB-CIRCUIT BREAKER- 3E 138 kv OOE2 10/19/2003 22:24 10/21/2003 15:52 SSO/PST - CHECK IMBALANCE ON BREAKER 3E
Outage Step Step Start Step End Work Description Work Location Comments
Out for Protection 10/19/2003 22:24 Find reason for phase imbalance QUEENSBRIDGE Section restored to service. PST to followup on the 7/3
Status Date Note

FACILITY	CMP	**0000224836**	CLOSE	0500-28 BKR SUMM/WINT INSP 3E	4	9/29/2003	03710	28990	2.0	4/6/2004

Long Description:

FACILITY	CMP	**0000206689**	CLOSE	0500-28 BKR SUMM/WINT INSP 3E	2	5/1/2003	52741		1.0	5/18/2003

Long Description:

FACILITY	CMP	**0000184996**	CLOSE	0500-28 BKR SUMM/WINT INSP 3E	2	11/4/2002	03710		1.5	12/10/2002

Long Description:

FACILITY	CMP	**0000184929**	CLOSE	0500-17 ANNUAL COMPRESSOR BKR-3E	2	11/4/2002	03710		1.0	12/17/2002

Long Description:

FACILITY	CMP	**0000184910**	CLOSE	0500-17 ANNUAL COMPRESSOR BKR 3E	2	11/4/2002	03710		0.0	12/17/2002

Long Description:

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MAXIMO REPORT: EQUIPMENT HISTORY

Station: QUEENSBRIDGE **Equipment: BKR-0002809** **QB-CIRCUIT BREAKER- 3E **RETIRED****

RESP AREA	WORK TYPE	WORK NUMBER	STATUS	DESCRIPTION	PRTY	REPORT DATE	REPORTED BY	SUPV	HRS	ACTUAL FINISH
FACILITY Long Description:	CMP	**0000160566**	CLOSE	0500-28 BKR SUMM/WINT INSP 3E	2	5/1/2002	03710		1.0	5/14/2002
FACILITY Long Description:	GC	**0000145604**	CLOSE	QB-GAS CALL GCB/CASP45 3E	2	1/22/2002	03710		0.0	2/26/2002
FACILITY Long Description:	CMP	**0000135849**	CLOSE	0500-28 BKR SUMM/WINT INSP 3E	1	11/1/2001	03710		0.5	11/29/2001
FACILITY Long Description:	CMP	**0000135585**	CLOSE	0500-17 ANNUAL COMPRESSOR BKR 3E	9	11/1/2001	03710		0.5	11/25/2001
FACILITY Long Description:	CMP	**0000135568**	CLOSE	0500-17 ANNUAL COMPRESSOR BKR-3E	9	11/1/2001	03710		0.0	11/29/2001
FACILITY Long Description:	GC	**0000121448**	CLOSE	GAS CALL- BKR 3E	1	7/20/2001	03710		0.0	8/29/2001
FACILITY Long Description:	GC	**0000117095**	CLOSE	GAS CALL- BKR 3E	1	6/17/2001	03710		0.0	8/29/2001
FACILITY Long Description:	CMP	**0000111914**	CLOSE	0500-28 BKR SUMM/WINT INSP 3E	1	5/1/2001	03710		0.5	5/24/2001
FACILITY Long Description:	DT	**0000095377**	CLOSE	QB 138-BKR- 3E (DIAG TEST)	1	1/19/2001	79255		64.0	5/7/2001
FACILITY Long Description:	GC	**0000091099**	CLOSE	QB-GAS CALL GCB/CASP45 3E	2	12/22/2000	03710		0.0	3/31/2003
FACILITY Long Description:	GC	**0000076552**	CLOSE	GAS CALL GCB/CASP45 3E	1	10/6/2000	14072		0.0	12/22/2000
FACILITY Long Description:	CMP	**0000073479**	CLOSE	0500-28 BKR SUMM/WINT INSP 3E	1	9/15/2000	03710		0.0	12/5/2000
FACILITY Long Description:	CMP	**0000073353**	CLOSE	0500-17 ANNUAL COMPRESSOR BKR 3E	9	9/15/2000	03710		1.0	12/5/2000
FACILITY Long Description:	CMP	**0000073339**	CLOSE	0500-17 ANNUAL COMPRESSOR BKR-3E	9	9/15/2000	03710		0.0	12/5/2000

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MAXIMO REPORT: EQUIPMENT HISTORY

Station: QUEENSBRIDGE **Equipment: BKR-0002809** **QB-CIRCUIT BREAKER- 3E **RETIRED****

RESP AREA	WORK TYPE	WORK NUMBER	STATUS	DESCRIPTION	PRTY	REPORT DATE	REPORTED BY	SUPV	HRS	ACTUAL FINISH
FACILITY Long Description:	GC	**0000067223**	CLOSE	GAS CALL GCB/CASP45 3E	1	7/13/2000	14072		0.0	9/27/2000
FACILITY Long Description:	GC	**0000061733**	CLOSE	GAS CALL GCB/CASP45 3E	1	5/23/2000	14072		0.0	9/27/2000
FACILITY Long Description:	CMP	**0000058691**	CLOSE	0500-28 BKR SUMM/WINT INSP 3E	1	4/26/2000	03710		0.0	5/31/2000
FACILITY Long Description:	GC	**0000053890**	CLOSE	GAS CALL GCB/CASP45 3E	1	3/14/2000	14072		0.0	9/27/2000
FACILITY Long Description:	GC	**0000050652**	CLOSE	GAS CALL GCB/CASP45 3E	1	2/21/2000	14072		0.0	12/22/2000
FACILITY Long Description:	GC	**0000039357**	CLOSE	GAS CALL GCB/CASP45 3E	1	10/29/1999	14091		0.0	12/22/2000
FACILITY Long Description:	CMP	**0000020642**	CLOSE	500-28-CIR BKRS WINTERIZATION IN	1	5/26/1999	98219		0.0	5/26/1999

67 total work order(s) having 800.5 hours.

Redacted

MAXIMO REPORT: EQUIPMENT HISTORY

Station: QUEENSBRIDGE **Equipment: BKR-0002812** **QB-CIRCUIT BREAKER- 4E **RETIRED****

RESP AREA	WORK TYPE	WORK NUMBER	STATUS	DESCRIPTION	PRTY	REPORT DATE	REPORTED BY	SUPV	HRS	ACTUAL FINISH
AUXSUP	CAP	**0007575955**	CLOSE	QUEENSBRIDGE BKR 4E- HIPOT AFTER INSTALL NEW	3	11/26/2007	49436	18917	32.0	11/28/2007
Long Description:										
PROTSYS	CAP	**0007468878**	CLOSE	DELAYS & DISCREPANCIES - BREAKER 4E AT QUEENSBRIDGE	5	10/25/2007	05212		0.0	1/7/2008
Long Description:										
PROTSYS	CAP	**0007468796**	CLOSE	DELAYS & DISCREPANCIES - BREAKER 4E AT QUEENSBRIDGE	5	10/25/2007	05212		0.0	10/25/2007
Long Description:										
PROTSYS	CAP	**0007468769**	CLOSE	REMOVAL OF BREAKER 4E AT QUEENSBRIDGE S/S	5	10/25/2007	05212		191.0	11/17/2007
Long Description:										
PROTSYS	CAP	**0007468739**	CLOSE	INSTALLATION OF BREAKER 4E AT QUEENSBRIDGE S/S	5	10/25/2007	05212		304.5	12/28/2007
Long Description:										
CONST	CAP	**0007440720**	CLOSE	INSTALLATION OF BREAKER 4E AT QNSBRIDGE S/S	5	10/16/2007	13990		0.0	2/27/2008
Long Description:										
CONST	CAP	**0007440307**	CLOSE	REMOVAL OF BREAKER 4E AT QNSBRIDGE S/S	5	10/16/2007	13990	13990	0.0	11/28/2007
Long Description:										
FACILITY	CMP-0	**0007348220**	CLOSE	0500-28 BKR WINTERIZATION INSP 4E	4	10/1/2007	MAXADMIN	28990	2.0	11/7/2007
Long Description:										
FACILITY	GC	**0007284802**	CLOSE	GAS CALL BKR 4E	2	9/16/2007	18839	18839	0.0	9/16/2007
Long Description:										
FACILITY	CMP	**0007241639**	CLOSE	0500-02 DEW POINT TESTING -BKR 4E	2	8/31/2007	MAXADMIN	28990	1.0	10/18/2007
Long Description:										
FACILITY	OSS	**0006999213**	CLOSE	REPLACE BREAKER 4E	5	6/1/2007	85180	14952	165.0	12/8/2007
Long Description:										
FACILITY	CM	**0006824168**	CLOSE	BKR 4E - REPLACE B & C PHASE CT'S	5	4/24/2007	52741		100.0	4/26/2007
Long Description:										

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MAXIMO REPORT: EQUIPMENT HISTORY

Station: QUEENSBRIDGE **Equipment: BKR-0002812** **QB-CIRCUIT BREAKER- 4E **RETIRED****

RESP AREA	WORK TYPE	WORK NUMBER	STATUS	DESCRIPTION	PRTY	REPORT DATE	REPORTED BY	SUPV	HRS	ACTUAL FINISH
PROTSYS Long Description:	SR	**0006822403**	CLOSE	BKR 4E CT'S MEGGER TEST LOW - MAINT TO CHECK & REPAIR	5	4/23/2007	49736		38.0	4/24/2007
FACILITY Long Description:	CMP	**0006648380**	CLOSE	0500-28 BKR SUMMERIZATION INSP 4E	2	2/28/2007	MAXADMIN	28990	2.0	5/10/2007
FACILITY Long Description:	CMP	**0006191667**	CLOSE	0500-17 ANNUAL COMPRESSOR BKR 4E	2	10/31/2006	MAXADMIN	28990	2.0	8/7/2007
FACILITY Long Description:	CMP	**0006180015**	CLOSE	0500-28 BKR WINTERIZATION INSP 4E	2	10/31/2006	MAXADMIN	28990	2.0	12/31/2006
FACILITY Long Description:	GC	**0006044392**	CLOSE	GAS CALL BKR 4E	2	9/12/2006	85631	85631	0.0	9/12/2006
FACILITY Long Description:	CMP	**0005346845**	CLOSE	0500-28 BKR SUMMERIZATION INSP 4E	2	2/28/2006	MAXADMIN	28990	0.0	4/23/2006
PROTSYS Long Description:	SR	**0000345733**	CLOSE	PST SPPT TROUBLESHOOT-BKR 4E WILL NOT OPEN	5	10/28/2005	88082	14952	6.0	1/27/2006
FACILITY Long Description:	CM	**0000345615**	CLOSE	TROUBLESHOOT-BKR 4E WILL NOT OPEN	5	10/28/2005	14952	14952	24.0	12/23/2005
FACILITY Long Description:	CMP	**0000345190**	CLOSE	0500-28 BKR WINTERIZATION INSP 4E	2	10/25/2005	PMWOGEN	28990	2.0	12/4/2005
FACILITY Long Description:	CMP	**0000344963**	CLOSE	0500-17 ANNUAL COMPRESSOR BKR 4E	2	10/25/2005	PMWOGEN	28990	2.0	8/26/2006
FACILITY Long Description:	CMP	**0000301168**	CLOSE	0500-28 BKR SUMMERIZATION INSP 4E	4	2/25/2005	PMWOGEN	28990	2.0	5/3/2005
FACILITY Long Description:	CMP	**0000278942**	CLOSE	0500-28 BKR WINTERIZATION INSP 4E	4	10/25/2004	PMWOGEN	28990	2.0	1/18/2005
FACILITY Long Description:	CMP	**0000278138**	CLOSE	0500-17 ANNUAL COMPRESSOR BKR 4E	4	10/25/2004	PMWOGEN	28990	2.0	9/27/2005

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MAXIMO REPORT: EQUIPMENT HISTORY

Station: QUEENSBRIDGE **Equipment: BKR-0002812** **QB-CIRCUIT BREAKER- 4E **RETIRED****

RESP AREA	WORK TYPE	WORK NUMBER	STATUS	DESCRIPTION	PRTY	REPORT DATE	REPORTED BY	SUPV	HRS	ACTUAL FINISH
FACILITY Long Description:	CM	**0000268488**	ZERO	COMPRESSOR ON BREAKER IS NOT WORKING - TROUBLESHOOT	5	8/23/2004	08050	08050	0.0	8/19/2005
FACILITY Long Description:	CM	**0000268445**	CLOSE	BREAKER 4E QUEENSBRIDGE REPAIR	2	8/22/2004	19201	19201	16.0	8/22/2004
FACILITY Long Description:	CMP	**0000245846**	CLOSE	0500-28 BKR SUMMERIZATION INSP 4E	4	2/28/2004	PMWOGEN	28990	2.0	5/9/2004
FACILITY Long Description:	CMP	**0000230881**	CLOSE	0500-17 ANNUAL COMPRESSOR BKR-4E	4	10/30/2003	PMWOGEN	28990	2.0	10/19/2004
FACILITY Long Description:	CMP	**0000230867**	CLOSE	0500-17 ANNUAL COMPRESSOR BKR 4E	4	10/30/2003	PMWOGEN	28990	2.0	10/12/2004
FACILITY Long Description:	CMP	**0000224837**	CLOSE	0500-28 BKR SUMM/WINT INSP 4E	4	9/29/2003	03710	28990	2.0	4/6/2004
FACILITY Long Description:	CMP	**0000206690**	CLOSE	0500-28 BKR SUMM/WINT INSP 4E	2	5/1/2003	52741		1.0	5/18/2003
FACILITY Long Description:	CMP	**0000184997**	CLOSE	0500-28 BKR SUMM/WINT INSP 4E	2	11/4/2002	03710		1.0	12/10/2002
FACILITY Long Description:	CMP	**0000184930**	CLOSE	0500-17 ANNUAL COMPRESSOR BKR-4E	2	11/4/2002	03710		1.0	12/17/2002
FACILITY Long Description:	CMP	**0000184911**	CLOSE	0500-17 ANNUAL COMPRESSOR BKR 4E	2	11/4/2002	03710		0.0	12/17/2002
FACILITY Long Description:	CMP	**0000160567**	CLOSE	0500-28 BKR SUMM/WINT INSP 4E	2	5/1/2002	03710		1.0	5/14/2002
FACILITY Long Description:	CMP	**0000135848**	CLOSE	0500-28 BKR SUMM/WINT INSP 4E	1	11/1/2001	03710		0.5	11/22/2001
FACILITY Long Description:	CMP	**0000135584**	CLOSE	0500-17 ANNUAL COMPRESSOR BKR 4E	9	11/1/2001	03710		0.5	11/25/2001
FACILITY Long Description:	CMP	**0000135567**	CLOSE	0500-17 ANNUAL COMPRESSOR BKR-4E	9	11/1/2001	03710		0.0	11/29/2001

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MAXIMO REPORT: EQUIPMENT HISTORY

Station: QUEENSBRIDGE **Equipment: BKR-0002812** **QB-CIRCUIT BREAKER- 4E **RETIRED****

RESP AREA	WORK TYPE	WORK NUMBER	STATUS	DESCRIPTION	PRTY	REPORT DATE	REPORTED BY	SUPV	HRS	ACTUAL FINISH
FACILITY Long Description:	CMP	**0000111916**	CLOSE	0500-28 BKR SUMM/WINT INSP 4E	1	5/1/2001	03710		0.5	5/24/2001
FACILITY Long Description:	DT	**0000095376**	CLOSE	QB 138-BKR- 4E (DIAG TEST)	1	1/19/2001	79255		64.0	5/7/2001
FACILITY Long Description:	GC	**0000091100**	CLOSE	QB-GAS CALL GCB/CASP45 4E	2	12/22/2000	03710		0.0	3/31/2003
FACILITY Long Description:	CMP	**0000073478**	CLOSE	0500-28 BKR SUMM/WINT INSP 4E	1	9/15/2000	03710		0.0	12/5/2000
FACILITY Long Description:	CMP	**0000073352**	CLOSE	0500-17 ANNUAL COMPRESSOR BKR 4E	9	9/15/2000	03710		1.0	12/5/2000
FACILITY Long Description:	CMP	**0000073338**	CLOSE	0500-17 ANNUAL COMPRESSOR BKR-4E	9	9/15/2000	03710		0.0	12/5/2000
FACILITY Long Description:	CMP	**0000058690**	CLOSE	0500-28 BKR SUMM/WINT INSP 4E	1	4/26/2000	03710		0.0	5/31/2000
FACILITY Long Description:	GC	**0000039356**	CLOSE	GAS CALL GCB/CASP45 4E	1	10/29/1999	14091		0.0	12/22/2000
FACILITY Long Description:	CMP	**0000020641**	CLOSE	500-28-CIR BKRS WINTERIZATION IN	1	5/26/1999	98219		0.0	5/26/1999

48 total work order(s) having 974 hours.

Redacted

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MAXIMO REPORT: EQUIPMENT HISTORY

Station: QUEENSBRIDGE **Equipment: BKR-0002815** **QB-CIRCUIT BREAKER- 5E **RETIRED****

RESP AREA	WORK TYPE	WORK NUMBER	STATUS	DESCRIPTION	PRTY	REPORT DATE	REPORTED BY	SUPV	HRS	ACTUAL FINISH
AUXSUP	CAP	**0007575938**	CLOSE	QUEENSBRIDGE BKR 5E- HIPOT AFTER INSTALL NEW	3	11/26/2007	49436	18917	21.0	11/28/2007
Long Description:										
PROTSYS	CAP	**0007469006**	CLOSE	DELAYS & DISCREPANCIES - BREAKER 5E AT QUEENSBRIDGE S/S	5	10/25/2007	05212		41.5	12/10/2007
Long Description:										
PROTSYS	CAP	**0007468957**	CLOSE	REMOVAL OF BREAKER 5E AT QUEENSBRIDGE S/S	5	10/25/2007	05212		175.0	1/4/2008
Long Description:										
PROTSYS	CAP	**0007468904**	CLOSE	INSTALLATION OF BREAKER 5E AT QUEENSBRIDGE S/S	5	10/25/2007	05212		269.0	12/11/2007
Long Description:										
FACILITY	CAP	**0007445524**	CLOSE	INSTALLATION OF BREAKER 5E - QUEENSBRIDGE S/S	5	10/16/2007	13990		20.0	12/9/2007
Long Description:										
CONST	CAP	**0007444476**	CLOSE	REMOVAL OF BREAKER 5E - QUEENSBRIDGE S/S	5	10/16/2007	13990		0.0	11/28/2007
Long Description:										
FACILITY	GC	**0007399022**	CLOSE	GAS CALL BKR 5E	2	10/13/2007	85994	85994	0.0	10/13/2007
Long Description:										
FACILITY	CMP-0	**0007348069**	CLOSE	0500-28 BKR WINTERIZATION INSP 5E	4	10/1/2007	MAXADMIN	28990	2.0	11/7/2007
Long Description:										
FACILITY	GC	**0007284794**	CLOSE	GAS CALL BKR 5E	2	9/16/2007	18839	18839	0.0	9/16/2007
Long Description:										
FACILITY	CMP	**0007241664**	CLOSE	0500-02 DEW POINT TESTING -BKR 5E	2	8/31/2007	MAXADMIN	28990	1.0	10/18/2007
Long Description:										
FACILITY	GC	**0007198982**	CLOSE	GAS CALL BKR 5E	2	8/10/2007	18839	18839	0.0	8/10/2007
Long Description:										
FACILITY	GC	**0007109548**	CLOSE	GAS CALL BKR 5E	2	7/2/2007	03848	03848	0.0	7/2/2007
Long Description:										
FACILITY	OSS	**0006999583**	CLOSE	REPLACE BREAKER 5E	5	6/1/2007	85180	14952	128.0	12/4/2007
Long Description:										

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MAXIMO REPORT: EQUIPMENT HISTORY

Station: QUEENSBRIDGE **Equipment: BKR-0002815** **QB-CIRCUIT BREAKER- 5E **RETIRED****

RESP AREA	WORK TYPE	WORK NUMBER	STATUS	DESCRIPTION	PRTY	REPORT DATE	REPORTED BY	SUPV	HRS	ACTUAL FINISH
FACILITY Long Description:	GC	**0006938364**	CLOSE	GAS CALL BKR 5E	2	5/17/2007	03848	03848	0.0	5/17/2007
FACILITY Long Description:	GC	**0006795772**	CLOSE	GAS CALL BKR 5E	2	4/2/2007	18839	18839	0.0	4/2/2007
FACILITY Long Description:	CMP	**0006648448**	CLOSE	0500-28 BKR SUMMERIZATION INSP 5E	2	2/28/2007	MAXADMIN	28990	2.0	5/10/2007
FACILITY Long Description:	GC	**0006481937**	CLOSE	GAS CALL BKR 5E	2	1/22/2007	03848	03848	0.0	1/22/2007
FACILITY Long Description:	GC	**0006465533**	CLOSE	GAS CALL BKR 5E	2	1/17/2007	86072	86072	0.0	1/17/2007
FACILITY Long Description:	GC	**0006387463**	CLOSE	GAS CALL BKR 5E	2	12/25/2006	85464	85464	0.0	12/25/2006
FACILITY Long Description:	GC	**0006368094**	CLOSE	GAS CALL BKR 5E	2	12/17/2006	85994	85994	0.0	12/17/2006
FACILITY Long Description:	CMP	**0006191696**	CLOSE	0500-17 ANNUAL COMPRESSOR BKR 5E	2	10/31/2006	MAXADMIN	28990	2.0	8/7/2007
FACILITY Long Description:	CMP	**0006180051**	CLOSE	0500-28 BKR WINTERIZATION INSP 5E	2	10/31/2006	MAXADMIN	28990	2.0	12/31/2006
FACILITY Long Description:	GC	**0006170261**	CLOSE	GAS CALL BKR 5E	2	10/24/2006	14072	14072	0.0	10/24/2006
FACILITY Long Description:	GC	**0006154667**	CLOSE	GAS CALL BKR 5E	2	10/12/2006	85994	85994	0.0	10/12/2006
FACILITY Long Description:	GC	**0006052961**	CLOSE	GAS CALL BKR 5E	2	9/18/2006	14072	19201	0.0	9/23/2006
FACILITY Long Description:	GC	**0005929464**	CLOSE	GAS CALL BKR 5E	2	8/4/2006	14072	14072	0.0	8/4/2006
FACILITY Long Description:	GC	**0005809414**	CLOSE	GAS CALL BKR 5E	2	7/1/2006	14072	14072	0.0	7/1/2006

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MAXIMO REPORT: EQUIPMENT HISTORY

Station: QUEENSBRIDGE **Equipment: BKR-0002815** **QB-CIRCUIT BREAKER- 5E **RETIRED****

RESP AREA	WORK TYPE	WORK NUMBER	STATUS	DESCRIPTION	PRTY	REPORT DATE	REPORTED BY	SUPV	HRS	ACTUAL FINISH
FACILITY Long Description:	GC	**0005754661**	CLOSE	GAS CALL BKR 5E	2	6/18/2006	18839	18839	0.0	6/18/2006
FACILITY Long Description:	GC	**0005552460**	CLOSE	GAS CALL BKR 5E	2	4/29/2006	85464	85464	0.0	4/29/2006
FACILITY Long Description:	GC	**0005450443**	CLOSE	GAS CALL BKR 5E	2	3/29/2006	14072	14072	0.0	3/29/2006
FACILITY Long Description:	GC	**0005434945**	CLOSE	GAS CALL BKR 5E	2	3/20/2006	85994	85994	0.0	3/20/2006
FACILITY Long Description:	CMP	**0005346879**	CLOSE	0500-28 BKR SUMMERIZATION INSP 5E	2	2/28/2006	MAXADMIN	28990	0.0	4/24/2006
FACILITY Long Description:	GC	**0005296401**	CLOSE	GAS CALL BKR 5E	2	2/20/2006	14072	14072	0.0	2/20/2006
FACILITY Long Description:	GC	**0005277702**	CLOSE	GAS CALL BKR 5E	2	2/14/2006	84659	84659	0.0	2/14/2006
FACILITY Long Description:	GC	**0005171040**	CLOSE	GAS CALL BKR 5E	2	1/17/2006	14072	14072	0.0	2/20/2006
FACILITY Long Description:	CMP	**0000345191**	CLOSE	0500-28 BKR WINTERIZATION INSP 5E	2	10/25/2005	PMWOGEN	28990	2.0	12/4/2005
FACILITY Long Description:	CMP	**0000344964**	CLOSE	0500-17 ANNUAL COMPRESSOR BKR 5E	2	10/25/2005	PMWOGEN	28990	2.0	8/26/2006
FACILITY Long Description:	GC	**0000306738**	CLOSE	GAS CALL BKR 5E	2	3/25/2005	13170	13170	0.0	3/25/2005
FACILITY Long Description:	CMP	**0000301169**	CLOSE	0500-28 BKR SUMMERIZATION INSP 5E	4	2/25/2005	PMWOGEN	28990	2.0	5/3/2005
FACILITY Long Description:	CMP	**0000278943**	CLOSE	0500-28 BKR WINTERIZATION INSP 5E	4	10/25/2004	PMWOGEN	28990	2.0	1/18/2005
FACILITY Long Description:	CMP	**0000278139**	CLOSE	0500-17 ANNUAL COMPRESSOR BKR 5E	4	10/25/2004	PMWOGEN	28990	2.0	9/27/2005

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MAXIMO REPORT: EQUIPMENT HISTORY

Station: QUEENSBRIDGE **Equipment: BKR-0002815** **QB-CIRCUIT BREAKER- 5E **RETIRED****

RESP AREA	WORK TYPE	WORK NUMBER	STATUS	DESCRIPTION	PRTY	REPORT DATE	REPORTED BY	SUPV	HRS	ACTUAL FINISH
FACILITY Long Description:	CMP	**0000245847**	CLOSE	0500-28 BKR SUMMERIZATION INSP 5E	4	2/28/2004	PMWOGEN	28990	2.0	5/9/2004
FACILITY Long Description:	CMP	**0000230882**	CLOSE	0500-17 ANNUAL COMPRESSOR BKR-5E	4	10/30/2003	PMWOGEN	28990	2.0	10/19/2004
FACILITY Long Description:	CMP	**0000230868**	CLOSE	0500-17 ANNUAL COMPRESSOR BKR 5E	4	10/30/2003	PMWOGEN	28990	2.0	10/17/2004
FACILITY Long Description:	CMP	**0000224838**	CLOSE	0500-28 BKR SUMM/WINT INSP 5E	4	9/29/2003	03710	28990	2.0	4/6/2004
FACILITY Long Description:	CMP	**0000206691**	CLOSE	0500-28 BKR SUMM/WINT INSP 5E	2	5/1/2003	52741		1.0	5/18/2003
FACILITY Long Description:	GC	**0000185764**	CLOSE	QB-GAS CALL GCB/CASP45 5E	2	11/13/2002	03710		0.0	3/31/2003
FACILITY Long Description:	CMP	**0000184998**	CLOSE	0500-28 BKR SUMM/WINT INSP 5E	2	11/4/2002	03710		1.0	12/10/2002
FACILITY Long Description:	CMP	**0000184931**	CLOSE	0500-17 ANNUAL COMPRESSOR BKR-5E	2	11/4/2002	03710		1.0	12/17/2002
FACILITY Long Description:	CMP	**0000184912**	CLOSE	0500-17 ANNUAL COMPRESSOR BKR 5E	2	11/4/2002	03710		0.0	12/17/2002
FACILITY Long Description:	CMP	**0000160568**	CLOSE	0500-28 BKR SUMM/WINT INSP 5E	2	5/1/2002	03710		1.0	5/14/2002
PROTSYS Long Description:	SR	**0000141630**	CLOSE	BKR 5E INDICATION	9	12/19/2001	49736		12.0	3/8/2002
FACILITY Long Description:	CMP	**0000135847**	CLOSE	0500-28 BKR SUMM/WINT INSP 5E	1	11/1/2001	03710		0.5	11/22/2001
FACILITY Long Description:	CMP	**0000135583**	CLOSE	0500-17 ANNUAL COMPRESSOR BKR 5E	9	11/1/2001	03710		0.5	11/25/2001
FACILITY Long Description:	CMP	**0000135566**	CLOSE	0500-17 ANNUAL COMPRESSOR BKR-5E	9	11/1/2001	03710		0.0	11/29/2001

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MAXIMO REPORT: EQUIPMENT HISTORY

Station: QUEENSBRIDGE **Equipment: BKR-0002815** **QB-CIRCUIT BREAKER- 5E **RETIRED****

RESP AREA	WORK TYPE	WORK NUMBER	STATUS	DESCRIPTION	PRTY	REPORT DATE	REPORTED BY	SUPV	HRS	ACTUAL FINISH
FACILITY Long Description:	GC	**0000114629**	CLOSE	GAS CALL- BKR 5E	1	5/30/2001	03710		0.0	8/29/2001
FACILITY Long Description:	CMP	**0000111918**	CLOSE	0500-28 BKR SUMM/WINT INSP 5E	1	5/1/2001	03710		0.5	5/24/2001
FACILITY Long Description:	GC	**0000091101**	CLOSE	QB-GAS CALL GCB/CASP45 5E	2	12/22/2000	03710		0.0	3/31/2003
FACILITY Long Description:	GC	**0000080170**	CLOSE	GAS CALL GCB/CASP45 5E	1	11/13/2000	14072		0.0	12/22/2000
FACILITY Long Description:	CMP	**0000073477**	CLOSE	0500-28 BKR SUMM/WINT INSP 5E	1	9/15/2000	03710		0.0	12/5/2000
FACILITY Long Description:	CMP	**0000073337**	CLOSE	0500-17 ANNUAL COMPRESSOR BKR-5E	9	9/15/2000	03710		1.0	12/5/2000
FACILITY Long Description:	GC	**0000071740**	CLOSE	GAS CALL GCB/CASP45 5E	1	9/5/2000	14072		0.0	9/27/2000
FACILITY Long Description:	CMP	**0000058689**	CLOSE	0500-28 BKR SUMM/WINT INSP 5E	1	4/26/2000	03710		0.0	5/31/2000
FACILITY Long Description:	GC	**0000053700**	CLOSE	GAS CALL GCB/CASP45 5E	1	3/11/2000	14072		0.0	9/27/2000
FACILITY Long Description:	GC	**0000050653**	CLOSE	GAS CALL GCB/CASP45 5E	1	2/21/2000	14072		0.0	9/27/2000
FACILITY Long Description:	GC	**0000049836**	CLOSE	GAS CALL GCB/CASP45 5E	1	2/9/2000	17078		0.0	12/22/2000
FACILITY Long Description:	GC	**0000039355**	CLOSE	GAS CALL GCB/CASP45 5E	1	10/29/1999	14091		0.0	12/22/2000
FACILITY Long Description:	CMP	**0000020640**	CLOSE	500-28-CIR BKRS WINTERIZATION IN	1	5/26/1999	98219		0.0	5/26/1999
FACILITY Long Description:	DT	**0000012591**	CLOSE	QB 138-BKR- 5E DIAG TEST	1	2/25/1999	45769		0.0	6/18/1999

Redacted

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MAXIMO REPORT: EQUIPMENT HISTORY

Station: QUEENSBRIDGE **Equipment: BKR-0002815** **QB-CIRCUIT BREAKER- 5E **RETIRED****

RESP AREA	WORK TYPE	WORK NUMBER	STATUS	DESCRIPTION	PRTY	REPORT DATE	REPORTED BY	SUPV	HRS	ACTUAL FINISH
FACILITY	DT	**0000011247**	CLOSE	QB 138-DIAG TEST BKR 5E	9	2/4/1999	45769		0.0	3/1/1999
Long Description:										
FACILITY	CM	**0000010864**	CLOSE	ADD OIL TO BUSHING #1A PHASE	9	2/1/1999	45769		15.0	2/16/1999
Long Description:										

71 total work order(s) having 715 hours.

Redacted

Exhibit __ (SIIP-1)
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MAXIMO REPORT: EQUIPMENT HISTORY

Station: JAMAICA 138KV **Equipment: BKR-0002867** **JAM 138-CIRCUIT BREAKER- 7 **RETIRED****

RESP AREA	WORK TYPE	WORK NUMBER	STATUS	DESCRIPTION	PRTY	REPORT DATE	REPORTED BY	SUPV	HRS	ACTUAL FINISH
AUXSUP Long Description:	CAP	**0007489388**	CLOSE	JAMAICA- HIPOT NEW BKRS 7 & 17	3	10/30/2007	49436	18918	48.0	10/30/2007
ENV Long Description:	DLPCB	**0007375969**	CLOSE	JAMAICA - PCB CONTAINING CAPACITORS - 5 GALLON DRUM	2	10/3/2007	02886		0.0	10/29/2007
ENV Long Description:	DLPC	**0007375925**	CLOSE	JAMAICA - LEAD PCB PAINT CHIPS REMOVED FROM BREAKER 7 - 5 GALLON DRUM	2	10/3/2007	02886		0.0	1/10/2008
FACILITY Long Description:	CMP-0	**0007372356**	CLOSE	0500-28 BKR WINTERIZATION INSP 7	4	10/1/2007	MAXADMIN	28990	2.0	11/6/2007
FACILITY Long Description:	CAP	**0007299176**	CLOSE	JAMAICA - SUPPORT BKR 7 REMOVAL / INSTALL	5	9/25/2007	02886		2039.0	12/3/2007
FACILITY Long Description:	CMP	**0007241589**	CLOSE	0500-02 DEW POINT TESTING -BKR 7	2	8/31/2007	MAXADMIN	28990	2.0	9/16/2007
PROTSYS Long Description:	SR	**0006699104**	CLOSE	BKR 7 CLOSING CKT TRBLE - SUPPORT CSD	5	3/12/2007	49736		3.0	3/16/2007
FACILITY Long Description:	CMP	**0006647188**	CLOSE	0500-28 BKR SUMMERIZATION INSP 7	2	2/28/2007	MAXADMIN	28990	0.0	5/11/2007
FACILITY Long Description:	CAP	**0006447806**	CLOSE	JAMAICA - HOLD PERMIT FOR SCAFFOLD VENDORS	5	1/5/2007	02886		30.0	5/12/2007
FACILITY Long Description:	GC	**0006244841**	CLOSE	GAS CALL BKR 7	2	11/7/2006	85464	85464	0.0	11/7/2006
FACILITY Long Description:	CMP	**0005989051**	CLOSE	0500-17 ANNUAL COMPRESSOR BKR-7	2	8/31/2006	MAXADMIN	28990	0.0	7/8/2007
FACILITY Long Description:	CMP	**0000334170**	CLOSE	0500-17 ANNUAL COMPRESSOR BKR-7	2	8/25/2005	PMWOGEN	28990	2.0	7/2/2006

Redacted

MAXIMO REPORT: EQUIPMENT HISTORY

Station: JAMAICA 138KV **Equipment: BKR-0002867** **JAM 138-CIRCUIT BREAKER- 7 **RETIRED****

RESP AREA	WORK TYPE	WORK NUMBER	STATUS	DESCRIPTION	PRTY	REPORT DATE	REPORTED BY	SUPV	HRS	ACTUAL FINISH
FACILITY	INFO	**0000284753**	CLOSE	EXERCISE DISCONNECTS ASSOCIATED WITH JAMAICA BREAKER 7	5	12/8/2004	72593		0.0	12/8/2004

Long Description: **JAMAICA 138KV**

Equipment Name Voltage Outage
Type OOS Date Projected
Restoration Actual
Restoration Outage Work
Description Contact
JAM 138-CIRCUIT BREAKER- 7 138 kv OOE2 12/08/2004 01:43 EXERCISE DISCONNECTS ASSOCIATED WITH JAMAICA BREAKER 7
Outage Step Step Start Step End Work Description Work Location Comments
No Steps Defined for Date Range Specified.
Status Date Note
No Notes Defined for Date Range Specified.

FACILITY	CMP	**0000269374**	CLOSE	0500-17 ANNUAL COMPRESSOR BKR-7	4	8/25/2004	PMWOGEN	28990	2.0	8/29/2005
Long Description:										
FACILITY	CMP	**0000221842**	CLOSE	0500-17 ANNUAL COMPRESSOR BKR-7	4	9/2/2003	52741	28990	2.0	8/9/2004
Long Description:										
FACILITY	CM	**0000187654**	CLOSE	REPLACE DEFECTIVE MOTOR FOR AIR COMPRESSOR	2	12/2/2002	13934		40.0	12/19/2002
Long Description:										
FACILITY	CMP	**0000174174**	CLOSE	0500-17 ANNUAL COMPRESSOR BKR-7	2	9/3/2002	03710		5.0	11/12/2002
Long Description:										
FACILITY	CM	**0000152418**	CLOSE	REPLACE CONTROL WIRING ON BKR 7- CONTINUATION OF W.O. 146431	4	3/6/2002	18727	18727	34.0	6/18/2002
Long Description:										
FACILITY	CM	**0000146431**	CLOSE	CHECK & REPAIR 125VDC GROUND FROM BKR 7	4	1/29/2002	18727	18727	170.0	3/4/2002
Long Description:										
FACILITY	DT	**0000137043**	CLOSE	BKR- 7 (DT)	1	11/9/2001	12468		24.0	11/20/2001
Long Description:										
FACILITY	CMP	**0000127503**	CLOSE	0500-17 ANNUAL COMPRESSOR BKR-7	9	9/4/2001	03710		1.5	11/19/2001
Long Description:										

Redacted

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MAXIMO REPORT: EQUIPMENT HISTORY

Station: JAMAICA 138KV **Equipment: BKR-0002867** **JAM 138-CIRCUIT BREAKER- 7 **RETIRED****

RESP AREA	WORK TYPE	WORK NUMBER	STATUS	DESCRIPTION	PRTY	REPORT DATE	REPORTED BY	SUPV	HRS	ACTUAL FINISH
FACILITY	CMP	**0000072347**	CLOSE	0500-17 ANNUAL COMPRESSOR BKR-7	9	9/7/2000	03710		1.0	11/16/2000
Long Description:										

22 total work order(s) having 2405.5 hours.

Redacted

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MAXIMO REPORT: EQUIPMENT HISTORY

Station: JAMAICA 138KV **Equipment: BKR-0002870** **JAM 138-CIRCUIT BREAKER- 8 **RETIRED****

RESP AREA	WORK TYPE	WORK NUMBER	STATUS	DESCRIPTION	PRTY	REPORT DATE	REPORTED BY	SUPV	HRS	ACTUAL FINISH
AUXSUP	CAP	**0006736389**	CLOSE	JAM- BKRS 8 & 18- HIPOT AFTER REPLACE BREAKERS	4	3/30/2007	49436	18917	62.0	4/9/2007
Long Description:										
FACILITY	OSS	**0006700688**	CLOSE	REPLACE BREAKER 8 AND INSTALL BREAKER 18 - RETIREMENT	5	3/13/2007	52741		358.5	4/25/2007
Long Description:										
FACILITY	GC	**0006600075**	CLOSE	GAS CALL BKR 8	2	2/28/2007	85464	85464	0.0	2/28/2007
Long Description:										
FACILITY	GC	**0006561663**	CLOSE	GAS CALL BKR 8	2	2/12/2007	85464	85464	0.0	2/12/2007
Long Description:										
FACILITY	GC	**0006384647**	CLOSE	GAS CALL BKR 8	2	12/22/2006	01030	01030	0.0	12/22/2006
Long Description:										
FACILITY	OSS	**0006383646**	CLOSE	REPLACE BREAKER 8 AND INSTALL BREAKER 18	4	12/21/2006	85180		1800.5	9/6/2007
Long Description:										
FACILITY	GC	**0006364541**	CLOSE	GAS CALL BKR 8	2	12/15/2006	19006	19006	0.0	12/15/2006
Long Description:										
FACILITY	GC	**0006287451**	CLOSE	GAS CALL BKR 8	2	11/28/2006	13170	13170	0.0	11/28/2006
Long Description:										
FACILITY	GC	**0006261098**	CLOSE	GAS CALL BKR 8	2	11/17/2006	13170	13170	0.0	11/17/2006
Long Description:										
FACILITY	GC	**0006146644**	CLOSE	GAS CALL BKR 8	2	10/5/2006	19006	19006	0.0	10/5/2006
Long Description:										
FACILITY	GC	**0006055802**	CLOSE	GAS CALL BKR 8	2	9/20/2006	13170	13170	0.0	9/20/2006
Long Description:										
FACILITY	GC	**0006046392**	CLOSE	GAS CALL BKR 8	2	9/13/2006	04345	04345	0.0	9/13/2006
Long Description:										
FACILITY	GC	**0005990269**	CLOSE	GAS CALL BKR 8	2	8/31/2006	85994	85994	0.0	8/31/2006
Long Description:										

Redacted

MAXIMO REPORT: EQUIPMENT HISTORY

Station: JAMAICA 138KV **Equipment: BKR-0002870** **JAM 138-CIRCUIT BREAKER- 8 **RETIRED****

RESP AREA	WORK TYPE	WORK NUMBER	STATUS	DESCRIPTION	PRTY	REPORT DATE	REPORTED BY	SUPV	HRS	ACTUAL FINISH
FACILITY Long Description:	GC	**0005955419**	CLOSE	GAS CALL BKR 8	2	8/19/2006	85464	85464	0.0	8/24/2006
FACILITY Long Description:	GC	**0005946442**	CLOSE	GAS CALL BKR 8	2	8/15/2006	00165	00165	0.0	8/16/2006
FACILITY Long Description:	GC	**0005934458**	CLOSE	GAS CALL BKR 8	2	8/8/2006	00165	00165	0.0	8/8/2006
FACILITY Long Description:	GC	**0005926709**	CLOSE	GAS CALL BKR 8	2	8/3/2006	03848	03848	0.0	8/3/2006
FACILITY Long Description:	GC	**0005851261**	CLOSE	GAS CALL BKR 8	2	7/17/2006	13170	13170	0.0	7/17/2006
FACILITY Long Description:	GC	**0005843252**	CLOSE	GAS CALL BKR 8	2	7/11/2006	13170	13170	0.0	7/11/2006
FACILITY Long Description:	GC	**0005810092**	CLOSE	GAS CALL BKR 8	2	7/1/2006	13170	13170	0.0	7/1/2006
FACILITY Long Description:	GC	**0005767137**	CLOSE	GAS CALL BKR 8	2	6/26/2006	85464	85464	0.0	6/26/2006
FACILITY Long Description:	GC	**0005754533**	CLOSE	GAS CALL BKR 8	2	6/18/2006	14072	14072	0.0	6/18/2006
FACILITY Long Description:	GC	**0005653375**	CLOSE	GAS CALL BKR 8	2	5/27/2006	85464	85464	0.0	5/27/2006
FACILITY Long Description:	GC	**0005646325**	CLOSE	GAS CALL BKR 8	2	5/21/2006	85464	85464	0.0	5/21/2006
FACILITY Long Description:	GC	**0005534972**	CLOSE	GAS CALL BKR 8	2	4/18/2006	85464	85464	0.0	5/12/2006
FACILITY Long Description:	GC	**0005517795**	CLOSE	GAS CALL BKR 8	2	4/8/2006	19006	19006	0.0	4/8/2006
FACILITY Long Description:	GC	**0005506255**	CLOSE	GAS CALL BKR 8	2	4/3/2006	13170	13170	0.0	4/3/2006

Redacted

MAXIMO REPORT: EQUIPMENT HISTORY

Station: JAMAICA 138KV **Equipment: BKR-0002870** **JAM 138-CIRCUIT BREAKER- 8 **RETIRED****

RESP AREA	WORK TYPE	WORK NUMBER	STATUS	DESCRIPTION	PRTY	REPORT DATE	REPORTED BY	SUPV	HRS	ACTUAL FINISH
FACILITY Long Description:	CMP	**0005469683**	CLOSE	0500-02 DEW POINT TESTING -BKR 8	2	3/31/2006	MAXADMIN	28990	2.0	6/19/2006
FACILITY Long Description:	GC	**0005423179**	CLOSE	GAS CALL BKR 8	2	3/13/2006	04345	04345	0.0	3/13/2006
FACILITY Long Description:	GC	**0005247522**	CLOSE	GAS CALL BKR 8	2	2/3/2006	19006	19006	0.0	2/3/2006
FACILITY Long Description:	GC	**0005177653**	CLOSE	GAS CALL BKR 8	2	1/21/2006	19006	19006	0.0	1/21/2006
FACILITY Long Description:	DT	**0005163196**	CLOSE	BKR- 8 (DT) (1 YR FREQUENCY INVOKED- OH DUE)	2	1/9/2006	47337		168.0	4/11/2006
FACILITY Long Description:	GC	**0004941100**	CLOSE	GAS CALL BKR 8	2	11/21/2005	19201	19201	0.0	11/21/2005
FACILITY Long Description:	GC	**0000349868**	CLOSE	GAS CALL BKR 8	2	11/7/2005	13170	13170	0.0	11/7/2005
FACILITY Long Description:	CMP	**0000334171**	CLOSE	0500-17 ANNUAL COMPRESSOR BKR-8	2	8/25/2005	PMWOGEN	28990	2.0	7/2/2006
FACILITY Long Description:	GC	**0000312433**	CLOSE	GAS CALL BKR 8	2	4/29/2005	19006	19006	0.0	4/29/2005
FACILITY Long Description:	CMP	**0000307344**	CLOSE	0500-02 DEW POINT TESTING -BKR 8	4	3/25/2005	PMWOGEN	28990	2.0	6/14/2005
FACILITY Long Description:	GC	**0000281009**	CLOSE	GAS CALL BKR 8	2	11/12/2004	13170	13170	0.0	11/12/2004
FACILITY Long Description:	DT	**0000280439**	CLOSE	BKR- 8 (DT) (1 YR FREQUENCY INVOKED- OH DUE)	3	11/4/2004	47337	19201	59.0	10/3/2005
FACILITY Long Description: **Can't add gas to the breaker. the breaker may trip.**	CM	**0000275800**	CLOSE	TROUBLE ADDING GAS TO BKR 8 ON THE ROOF	1	10/4/2004	08050	08050	68.0	1/4/2005

Redacted

MAXIMO REPORT: EQUIPMENT HISTORY

Station: JAMAICA 138KV **Equipment: BKR-0002870** **JAM 138-CIRCUIT BREAKER- 8 **RETIRED****

RESP AREA	WORK TYPE	WORK NUMBER	STATUS	DESCRIPTION	PRTY	REPORT DATE	REPORTED BY	SUPV	HRS	ACTUAL FINISH
FACILITY Long Description:	GC	**0000271523**	CLOSE	GAS CALL BKR 8	2	9/13/2004	13170	13170	0.0	9/13/2004
FACILITY Long Description:	CMP	**0000269375**	CLOSE	0500-17 ANNUAL COMPRESSOR BKR-8	4	8/25/2004	PMWOGEN	28990	2.0	8/29/2005
FACILITY Long Description:	CMP	**0000249260**	CLOSE	0500-02 DEW POINT TESTING -BKR 8	4	3/25/2004	PMWOGEN	28990	4.0	6/14/2004
FACILITY Long Description:	DT	**0000240052**	CLOSE	BKR- 8 (DT) (1 YR FREQUENCY INVOKED- OH DUE)	3	1/21/2004	03710	08050	60.0	9/29/2004
FACILITY Long Description:	CMP	**0000221843**	CLOSE	0500-17 ANNUAL COMPRESSOR BKR-8	4	9/2/2003	52741	28990	2.0	8/9/2004
FACILITY Long Description:	CM	**0000221668**	CLOSE	BKR 8 AT JAMAICA NITROGEN BOTTLE INSTALLATION	3	9/2/2003	08050	08050	4.0	9/11/2003
FACILITY Long Description: **Air pressure 215 will not go above due to preesure relief on comp head**	CM	**0000221404**	CLOSE	BREAKER #8 AIR COMPRESSOR(AIR)BLOW OFF VALVE POPPING	2	8/30/2003	21159	13934	104.0	9/11/2003
FACILITY Long Description:	CM	**0000219374**	CLOSE	CHANGE AIR COMPRESSOR AT JAMAICA NO. 8 BKR	3	8/6/2003	08050	08050	19.0	8/12/2003
FACILITY Long Description:	DT	**0000219220**	CLOSE	BKR- 8 (DT) (1 YR FREQUENCY INVOKED- OH DUE)	2	8/6/2003	47337	13934	40.0	11/4/2003
FACILITY Long Description:	CM	**0000218772**	CLOSE	CHECK AIR ALARM / COMPRESSOR STAGE	3	8/2/2003	52741	21159	43.0	8/13/2003
FACILITY Long Description:	GC	**0000216779**	CLOSE	GAS CALL BRK #8 10 LBS	2	7/19/2003	21159	21159	0.0	5/14/2004
FACILITY Long Description:	GC	**0000216777**	CLOSE	GAS CALL BKR 8	2	7/19/2003	21159	85636	0.0	11/24/2003

Redacted

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MAXIMO REPORT: EQUIPMENT HISTORY

Station: JAMAICA 138KV **Equipment: BKR-0002870** **JAM 138-CIRCUIT BREAKER- 8 **RETIRED****

RESP AREA	WORK TYPE	WORK NUMBER	STATUS	DESCRIPTION	PRTY	REPORT DATE	REPORTED BY	SUPV	HRS	ACTUAL FINISH
FACILITY Long Description:	GC	**0000208868**	CLOSE	GAS CALL BKR 8	2	5/16/2003	13170	13170	0.0	5/16/2003
FACILITY Long Description:	CMP	**0000202058**	CLOSE	0500-02 DEW POINT TESTING -BKR 8	2	3/28/2003	52741	28990	2.0	4/22/2003
FACILITY Long Description:	CMP	**0000174175**	CLOSE	0500-17 ANNUAL COMPRESSOR BKR-8	2	9/3/2002	03710		10.0	11/12/2002
FACILITY Long Description:	GC	**0000172897**	CLOSE	ADDED 10 PSI SF6 TO BREAKER #8	9	8/27/2002	21159		0.0	8/28/2002
FACILITY Long Description:	GC	**0000172666**	CLOSE	ADDED 10 LBS OF SF6 TO BREAKER 8	9	8/24/2002	21159		0.0	8/26/2002
FACILITY Long Description:	CM	**0000172578**	CLOSE	REPAIR GAS LEAKS	3	8/23/2002	47337		119.0	9/24/2002
FACILITY Long Description:	GC	**0000171396**	CLOSE	ADDED 10 PSI OF SF6 TO BREAKER 8	9	8/8/2002	21159		0.0	8/8/2002
FACILITY Long Description:	GC	**0000170682**	CLOSE	JAM 138-GAS CALL GCB 8	2	8/2/2002	03710		0.0	8/6/2002
FACILITY Long Description:	GC	**0000169195**	CLOSE	BRK 8 ADDED 10 LBS SF6	9	7/23/2002	21159		0.0	7/30/2002
FACILITY Long Description:	GC	**0000168329**	CLOSE	JAM 138-GAS CALL GCB 8	2	7/11/2002	03710		0.0	7/30/2002
FACILITY Long Description:	CMP	**0000155103**	CLOSE	0500-02 DEW POINT TESTING -BKR 8	2	4/1/2002	03710	28990	1.0	4/2/2002
FACILITY Long Description:	DT	**0000151968**	CLOSE	BKR- 8 (DT) (DT DONE IN PLACE OF OH UNTIL EQUIP IS CHANGED OUT)	2	3/1/2002	03710		58.5	5/17/2002
FACILITY Long Description:	DT	**0000136699**	CLOSE	BKR- 8 (DT)	1	11/6/2001	13934		56.0	11/20/2001
FACILITY Long Description:	CMP	**0000127504**	CLOSE	0500-17 ANNUAL COMPRESSOR BKR-8	9	9/4/2001	03710		0.0	11/19/2001

Redacted

MAXIMO REPORT: EQUIPMENT HISTORY

Station: JAMAICA 138KV **Equipment: BKR-0002870** **JAM 138-CIRCUIT BREAKER- 8 **RETIRED****

RESP AREA	WORK TYPE	WORK NUMBER	STATUS	DESCRIPTION	PRTY	REPORT DATE	REPORTED BY	SUPV	HRS	ACTUAL FINISH
FACILITY Long Description:	GC	**0000121625**	CLOSE	GAS CALL- BKR 8	1	7/22/2001	03710		0.0	8/29/2001
FACILITY Long Description:	GC	**0000116961**	CLOSE	JAM 138-GAS CALL GCB 8	2	6/15/2001	03710		0.0	8/6/2002
FACILITY Long Description:	CMP	**0000107557**	CLOSE	0500-02 DEW POINT TESTING -BKR 8	1	4/3/2001	03710		2.0	4/22/2001
FACILITY Long Description:	DT	**0000095366**	CLOSE	JAMAICA BKR 8 (GCB)	1	1/19/2001	79255		0.0	11/14/2001
FACILITY Long Description:	CMP	**0000092705**	CLOSE	0500-02 DEW POINT TESTING -BKR 8	1	1/2/2001	03710	45451	1.0	1/31/2001
FACILITY Long Description:	CMP	**0000077336**	CLOSE	0500-02 DEW POINT TESTING - BKR 8	1	10/16/2000	03710		0.0	12/8/2000
FACILITY Long Description:	CMP	**0000077335**	CLOSE	0500-02 DEW POINT TESTING -BKR 8	1	10/16/2000	03710		1.0	11/30/2000
FACILITY Long Description:	CMP	**0000072346**	CLOSE	0500-17 ANNUAL COMPRESSOR BKR-8	9	9/7/2000	03710		1.0	11/16/2000

74 total work order(s) having 3051.5 hours.

Redacted

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MAXIMO REPORT: EQUIPMENT HISTORY

Station: CORONA 138 KV **Equipment: BKR-0002958** **COR 138-CIRCUIT BREAKER-5S**

RESP AREA	WORK TYPE	WORK NUMBER	STATUS	DESCRIPTION	PRTY	REPORT DATE	REPORTED BY	SUPV	HRS	ACTUAL FINISH
FACILITY Long Description:	CMP-0	**0007877177**	CLOSE	0500-28 SUMMERIZATION INSP BKR 5S	4	2/9/2008	89260	28990	2.0	3/27/2008
FACILITY Long Description:	CMP-0	**0007346139**	CLOSE	0500-28 WINTERIZATION INSP BKR 5S	4	10/1/2007	MAXADMIN	28990	2.0	10/30/2007
PLNGRP Long Description:	OSS	**0007039639**	WAPPR	OVERHAUL	5	6/20/2007	85180		0.0	
FACILITY Long Description:	CMP	**0006648004**	CLOSE	0500-28 SUMMERIZATION INSP BKR 5S	2	2/28/2007	MAXADMIN	28990	2.0	5/9/2007
FACILITY Long Description:	OH	**0006389288**	CLOSE	BKR 5S (OH)	4	12/27/2006	47337	51875	302.0	10/20/2007
FACILITY Long Description:	CMP	**0006179139**	CLOSE	0500-28 BKR WINTERIZATION INSP 5S	2	10/31/2006	MAXADMIN	28990	2.0	12/17/2006
FACILITY Long Description:	CMP	**0005470093**	CLOSE	0500-02 DEW POINT TESTING -BKR 5S	2	3/31/2006	MAXADMIN	28990	2.0	6/18/2006
FACILITY Long Description:	CMP	**0005337523**	CLOSE	0500-28 BKR SUMMERIZATION INSP 5S	2	2/28/2006	MAXADMIN	28990	2.0	4/12/2006
FACILITY Long Description:	CMP	**0000345206**	CLOSE	0500-28 BKR WINTERIZATION INSP 5S	2	10/25/2005	PMWOGEN	28990	2.0	12/17/2005
FACILITY Long Description:	CMP	**0000308179**	CLOSE	0500-02 DEW POINT TESTING -BKR 5S	4	3/25/2005	PMWOGEN	28990	2.0	6/9/2005
FACILITY Long Description:	CMP	**0000301194**	CLOSE	0500-28 BKR SUMMERIZATION INSP 5S	4	2/25/2005	PMWOGEN	28990	2.0	4/20/2005
FACILITY Long Description:	CMP	**0000278958**	CLOSE	0500-28 BKR WINTERIZATION INSP 5S	4	10/25/2004	PMWOGEN	28990	2.0	1/11/2005
FACILITY Long Description:	CMP	**0000250110**	CLOSE	0500-02 DEW POINT TESTING -BKR 5S	4	3/25/2004	PMWOGEN	28990	2.0	6/8/2004
FACILITY Long Description:	CMP	**0000245872**	CLOSE	0500-28 BKR SUMMERIZATION INSP 5S	4	2/28/2004	PMWOGEN	28990	2.0	4/21/2004

Redacted

MAXIMO REPORT: EQUIPMENT HISTORY

Station: CORONA 138 KV **Equipment: BKR-0002958** **COR 138-CIRCUIT BREAKER-5S**

RESP AREA	WORK TYPE	WORK NUMBER	STATUS	DESCRIPTION	PRTY	REPORT DATE	REPORTED BY	SUPV	HRS	ACTUAL FINISH
FACILITY Long Description:	CMP	**0000224863**	CLOSE	0500-28 BKR SUMM/WINT INSP 5S	4	9/29/2003	03710	28990	0.0	4/15/2004
FACILITY Long Description:	CMP	**0000206706**	CLOSE	0500-28 BKR SUMM/WINT INSP 5S	2	5/1/2003	52741		1.0	5/11/2003
FACILITY Long Description:	CMP	**0000202190**	CLOSE	0500-02 DEW POINT TESTING -BKR 5S	2	3/28/2003	52741	28990	1.0	4/26/2003
FACILITY Long Description:	CMP	**0000185014**	CLOSE	0500-28 BKR SUMM/WINT INSP 5S	2	11/4/2002	03710		1.0	12/9/2002
FACILITY Long Description:	DT	**0000172934**	CLOSE	BKR- 5S (DT)	2	8/28/2002	03710		56.0	10/25/2002
FACILITY Long Description:	CMP	**0000160583**	CLOSE	0500-28 BKR SUMM/WINT INSP 5S	2	5/1/2002	03710		1.0	5/12/2002
FACILITY Long Description:	CMP	**0000135832**	CLOSE	0500-28 BKR SUMM/WINT INSP 5S	1	11/1/2001	03710		0.5	11/21/2001
FACILITY Long Description:	CMP	**0000111942**	CLOSE	0500-28 BKR SUMM/WINT INSP 5S	1	5/1/2001	03710		1.0	5/24/2001
FACILITY Long Description:	GC	**0000091057**	CLOSE	COR 138-GAS CALL GCB 5S	2	12/22/2000	03710		0.0	3/31/2003
FACILITY Long Description:	CMP	**0000073452**	CLOSE	0500-28 BKR SUMM/WINT INSP 5S	1	9/15/2000	03710		1.0	11/30/2000
FACILITY Long Description:	CMP	**0000058658**	CLOSE	0500-28 BKR SUMM/WINT INSP 5S	1	4/26/2000	03710		0.0	5/31/2000
FACILITY Long Description:	GC	**0000039378**	CLOSE	GAS CALL GCB 5S	1	10/29/1999	14091		0.0	9/27/2000
FACILITY Long Description:	GC	**0000035033**	CLOSE	GAS CALL GCB 5S	1	9/28/1999	13357		0.0	12/22/2000
FACILITY Long Description:	CMP	**0000020593**	CLOSE	500-28-CIR BKRS WINTERIZATION IN	1	5/26/1999	98219		0.0	5/26/1999

Redacted

MAXIMO REPORT: EQUIPMENT HISTORY

Station: CORONA 138 KV **Equipment: BKR-0002958** **COR 138-CIRCUIT BREAKER-5S**

RESP AREA	WORK TYPE	WORK NUMBER	STATUS	DESCRIPTION	PRTY	REPORT DATE	REPORTED BY	SUPV	HRS	ACTUAL FINISH

28 total work order(s) having 388.5 hours.

Redacted

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MAXIMO REPORT: EQUIPMENT HISTORY

Station: CORONA 138 KV **Equipment: BKR-0002971** **COR 138-CIRCUIT BREAKER-8N**

RESP AREA	WORK TYPE	WORK NUMBER	STATUS	DESCRIPTION	PRTY	REPORT DATE	REPORTED BY	SUPV	HRS	ACTUAL FINISH
FACILITY Long Description:	CMP-0	**0007959357**	CLOSE	0500-02 DEW POINT TESTING -BKR 8N	4	3/1/2008	MAXADMIN	28990	0.0	4/29/2008
FACILITY Long Description:	CMP-0	**0007877007**	CLOSE	0500-28 BKR SUMMERIZATION INSP 8N	4	2/9/2008	89260	28990	2.0	3/27/2008
AUXSUP Long Description:	HPOT	**0007645586**	CLOSE	CORONA BKR 8N- HIPOT AFTER OH	3	12/9/2007	49436	18917	28.0	1/1/2008
FACILITY Long Description:	OH	**0007640778**	CLOSE	BKR 8N (OH)	4	12/4/2007	86152		294.0	12/13/2007
FACILITY Long Description:	CMP-0	**0007311695**	CLOSE	0500-28 BKR WINTERIZATION INSP 8N	4	9/30/2007	MAXADMIN	28990	2.0	10/29/2007
FACILITY Long Description:	CMP	**0006648142**	CLOSE	0500-28 BKR SUMMERIZATION INSP 8N	2	2/28/2007	MAXADMIN	28990	2.0	5/8/2007
FACILITY Long Description:	CMP	**0006179244**	CLOSE	0500-28 BKR WINTERIZATION INSP 8N	2	10/31/2006	MAXADMIN	28990	2.0	12/16/2006
FACILITY Long Description:	CMP	**0005469881**	CLOSE	0500-02 DEW POINT TESTING -BKR 8N	2	3/31/2006	MAXADMIN	28990	2.0	6/18/2006
FACILITY Long Description:	CMP	**0005337659**	CLOSE	0500-28 BKR SUMMERIZATION INSP 8N	2	2/28/2006	MAXADMIN	28990	2.0	4/22/2006
FACILITY Long Description:	CM	**0005180982**	CLOSE	PULL NEW CABLES FOR BREAKER 8N. WIRES GROUNDED.	3	1/23/2006	08050	08050	25.0	1/24/2006
FACILITY Long Description:	CM	**0005166698**	CLOSE	INSTALL PULL BOX ON BREAKER 8N TO REPLACE THE GROUNDED WIRES.	5	1/12/2006	08050	08050	36.0	1/16/2006
FACILITY Long Description:	CMP	**0000345209**	CLOSE	0500-28 BKR WINTERIZATION INSP 8N	2	10/25/2005	PMWOGEN	28990	2.0	12/18/2005
FACILITY Long Description:	CMP	**0000308182**	CLOSE	0500-02 DEW POINT TESTING -BKR 8N	4	3/25/2005	PMWOGEN	28990	2.0	6/14/2005

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MAXIMO REPORT: EQUIPMENT HISTORY

Station: CORONA 138 KV **Equipment: BKR-0002971** **COR 138-CIRCUIT BREAKER-8N**

RESP AREA	WORK TYPE	WORK NUMBER	STATUS	DESCRIPTION	PRTY	REPORT DATE	REPORTED BY	SUPV	HRS	ACTUAL FINISH
FACILITY Long Description:	CMP	**0000301198**	CLOSE	0500-28 BKR SUMMERIZATION INSP 8N	4	2/25/2005	PMWOGEN	28990	2.0	4/20/2005
FACILITY Long Description:	CMP	**0000278962**	CLOSE	0500-28 BKR WINTERIZATION INSP 8N	4	10/25/2004	PMWOGEN	28990	0.0	1/9/2005
FACILITY Long Description:	CMP	**0000250113**	CLOSE	0500-02 DEW POINT TESTING -BKR 8N	4	3/25/2004	PMWOGEN	28990	0.0	6/9/2004
FACILITY Long Description:	CMP	**0000245876**	CLOSE	0500-28 BKR SUMMERIZATION INSP 8N	4	2/28/2004	PMWOGEN	28990	2.0	4/21/2004
FACILITY Long Description:	CMP	**0000224867**	CLOSE	0500-28 BKR SUMM/WINT INSP 8N	4	9/29/2003	03710	28990	2.0	4/7/2004
FACILITY Long Description:	DT	**0000219221**	CLOSE	BKR- 8N (DT)	3	8/6/2003	47337	13934	55.0	3/2/2004
FACILITY Long Description:	CMP	**0000206710**	CLOSE	0500-28 BKR SUMM/WINT INSP 8N	2	5/1/2003	52741		1.0	5/11/2003
FACILITY Long Description:	CMP	**0000202193**	CLOSE	0500-02 DEW POINT TESTING -BKR 8N	2	3/28/2003	52741	28990	1.0	4/26/2003
FACILITY Long Description:	CMP	**0000185019**	CLOSE	0500-28 BKR SUMM/WINT INSP 8N	2	11/4/2002	03710		1.0	12/9/2002
FACILITY Long Description:	GC	**0000172924**	CLOSE	GAS CALL BKR 8N	2	8/28/2002	03710		0.0	3/31/2003
FACILITY Long Description:	CMP	**0000160587**	CLOSE	0500-28 BKR SUMM/WINT INSP 8N	2	5/1/2002	03710		1.0	5/12/2002
FACILITY Long Description:	CMP	**0000135827**	CLOSE	0500-28 BKR SUMM/WINT INSP 8N	1	11/1/2001	03710		0.5	11/21/2001
FACILITY Long Description:	CMP	**0000111946**	CLOSE	0500-28 BKR SUMM/WINT INSP 8N	1	5/1/2001	03710		1.0	5/24/2001
FACILITY Long Description:	CMP	**0000073448**	CLOSE	0500-28 BKR SUMM/WINT INSP 8N	1	9/15/2000	03710		1.0	11/16/2000

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MAXIMO REPORT: EQUIPMENT HISTORY

Station: CORONA 138 KV **Equipment: BKR-0002971** **COR 138-CIRCUIT BREAKER-8N**

RESP AREA	WORK TYPE	WORK NUMBER	STATUS	DESCRIPTION	PRTY	REPORT DATE	REPORTED BY	SUPV	HRS	ACTUAL FINISH
FACILITY	CMP	**0000058652**	CLOSE	0500-28 BKR SUMM/WINT INSP 8N	1	4/26/2000	03710		0.0	5/31/2000
Long Description:										
FACILITY	CMP	**0000020588**	CLOSE	500-28-CIR BKRS WINTERIZATION IN	1	5/26/1999	98219		0.0	5/26/1999
Long Description:										

29 total work order(s) having 466.5 hours.

Redacted

MAXIMO REPORT: EQUIPMENT HISTORY

Station: FRESH KILLS 345 **Equipment: BKR-0003064** **FKIL345-BKR 5 **RETIRED****

RESP AREA	WORK TYPE	WORK NUMBER	STATUS	DESCRIPTION	PRTY	REPORT DATE	REPORTED BY	SUPV	HRS	ACTUAL FINISH
FACILITY	JUMP	0007578697	CLOSE	BKR 5 OUTAGE	5	11/28/2007	03332	17051	0.0	1/30/2008
Long Description:	CB 5 AIR & GAS ALARM									
	PNL C2-6 A11 TO A12									
FACILITY	JUMP	0007578687	CLOSE	BKR 5 OUTAGE	5	11/28/2007	03332	17051	0.0	1/30/2008
Long Description:	UNIT #1 SUPV 2ND LINE ALARM									
	PNL C11 T50 TO T51									
FACILITY	JUMP	0007578676	CLOSE	BKR 5 OUTAGE	5	11/28/2007	03332	17051	0.0	1/30/2008
Long Description:	CONTROL UNIT #1 SUPV 2ND LINE ALARM									
	PNL C15 G4 TO G5									
FACILITY	JUMP	0007578666	CLOSE	BKR 5 OUTAGE	5	11/28/2007	03332	17051	0.0	1/30/2008
Long Description:	BKR TRIP CKT MON ALARM									
	PNL C2-6 V3 TO Z6									
FACILITY	JUMP	0007578657	CLOSE	BKR 5 OUTAGE	5	11/28/2007	03332	17051	0.0	1/30/2008
Long Description:	ALARM #515 @ AK									
	PNL C2-6 TERM 1 TO 2 ON 94ALX/135 RELAY									
FACILITY	JUMP	0007578647	CLOSE	BKR 5 OUTAGE	5	11/28/2007	03332	17051	0.0	1/30/2008
Long Description:	ALARM #116 @ AK									
	PNL C11 T292 TO T293									
FACILITY	JUMP	0007578638	CLOSE	BKR 5 OUTAGE	5	11/28/2007	03332	17051	0.0	12/19/2007
Long Description:	AK3 EHC INTERLOCK									
	PNL C11 327 TO 269									
FACILITY	JUMP	0007578629	CLOSE	BKR 5 OUTAGE	5	11/28/2007	03332	17051	0.0	12/19/2007
Long Description:	AK3 FUEL TRIP									
	PNL C11 323 TO 284									

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MAXIMO REPORT: EQUIPMENT HISTORY

Station: FRESH KILLS 345 **Equipment: BKR-0003064** **FKIL345-BKR 5 **RETIRED****

RESP AREA	WORK TYPE	WORK NUMBER	STATUS	DESCRIPTION	PRTY	REPORT DATE	REPORTED BY	SUPV	HRS	ACTUAL FINISH
FACILITY	JUMP	**0007578620**	CLOSE	BKR 5 OUTAGE	5	11/28/2007	03332	17051	0.0	12/19/2007
Long Description:	**AK3 INTERLOCK**									
	PNL C11 326 TO 271									
FACILITY	JUMP	**0007578611**	CLOSE	BKR 5 OUTAGE	5	11/28/2007	03332	17051	0.0	12/19/2007
Long Description:	**DISC F3-5**									
	PNL C-11									
	T259 TO T260									
FACILITY	JUMP	**0007578601**	CLOSE	BKR 5 OUTAGE	5	11/28/2007	03332	17051	0.0	1/30/2008
Long Description:	**74F/52/REA**									
	PANEL C2-6									
	TERM E1 TO E5									
FACILITY	JUMP	**0007578591**	CLOSE	BKR 5 OUTAGE	5	11/28/2007	03332	17051	0.0	12/19/2007
Long Description:	**AK 3 CB TRIP**									
	PANEL C11 TERM 322 TO 295									
FACILITY	JUMP	**0007578582**	CLOSE	BKR 5 OUTAGE	5	11/28/2007	03332	17051	0.0	12/20/2007
Long Description:	**BKR 5 CT'S**									
	PANEL C16 LINKS R7, R8, R9, R10, R11, R12 OPEN									
	R7 GRD INT SIDE									
FACILITY	JUMP	**0007578573**	CLOSE	BKR 5 OUTAGE	5	11/28/2007	03332	17051	0.0	12/20/2007
Long Description:	**bkr 5 CT's**									
	panel C15 links A7, A8, A9, A10,A11, A12 OPEN									
	A7 GRD INT SIDE									

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MAXIMO REPORT: EQUIPMENT HISTORY

Station: FRESH KILLS 345 **Equipment: BKR-0003064** **FKIL345-BKR 5 **RETIRED****

RESP AREA	WORK TYPE	WORK NUMBER	STATUS	DESCRIPTION	PRTY	REPORT DATE	REPORTED BY	SUPV	HRS	ACTUAL FINISH
FACILITY	JUMP	**0007578515**	CLOSE	FOR BKR 5 OUTAGE	5	11/28/2007	03332	17051	0.0	12/19/2007
Long Description:	**bkr 5 CT's panel C11** **links T59, T60, T61, T62 OPEN** **T62 GRD INT SIDE**									
FACILITY	JUMP	**0007578502**	CLOSE	INSTALLED FOR 345KV BKR 5 OUTAGE	5	11/28/2007	03332	17051	0.0	12/19/2007
Long Description:	**Bkr 5 CT's in panel c10 links T117, T118, T119, T120 open** **temp grd term 120 internal side**									
FACILITY	CAP	**0007574723**	CLOSE	FRESH KILL - BKR. 5 REPLACEMENT - INSTALLATION PORTION - OPERATORS	5	11/25/2007	40371	40371	207.5	12/20/2007
Long Description:										
FACILITY	CAP	**0007567774**	CLOSE	FRESH KILL - BKR. 5 REPLACEMENT - RETIREMENT PORTION - OPERATORS	5	11/19/2007	40371		64.0	11/24/2007
Long Description:										
FACILITY	CAP	**0007565343**	CLOSE	FRESH KILLS S/S - BKR. 5 REPLACEMENT - REITRE	5	11/17/2007	40371	40371	402.5	11/22/2007
Long Description:										
FACILITY	CAP	**0007565339**	CLOSE	FRESH KILLS S/S - BKR. 5 REPLACEMENT - CAPITAL	5	11/17/2007	40371	40371	1295.5	12/21/2007
Long Description:										
FACILITY	CMP	**0007527445**	CLOSE	0500-17 - FKIL 345 BKR 5 AIR RECEIVER INSPECT.	4	11/1/2007	MAXADMIN	40371	1.0	11/17/2007
Long Description:	**5 receivers X 2 hrs.= 10 hours @ 1 person**									
FACILITY	CM	**0007399406**	CLOSE	FRESH KILLS - 345KV BKR. 5 - COMPRESSOR REPAIR	5	10/14/2007	40371	40371	12.0	10/10/2007
Long Description:										
FACILITY	CM	**0007393005**	CLOSE	FRESH KILLS - BKR. 5 345KV - COMPRESSOR - EXCESSIVE RUNNING	5	10/8/2007	40371	40371	10.0	10/6/2007
Long Description:										
FACILITY	CMP-0	**0007340686**	CLOSE	0500-17 ANNUAL COMPRESSOR BKR 5 COMP2	4	10/1/2007	MAXADMIN	40371	1.0	11/17/2007
Long Description:										
FACILITY	CMP-0	**0007340655**	CLOSE	0500-17 ANNUAL COMPRESSOR BKR 5 COMP1	4	10/1/2007	MAXADMIN	40371	0.0	11/17/2007
Long Description:										

Redacted

MAXIMO REPORT: EQUIPMENT HISTORY

Station: FRESH KILLS 345 **Equipment: BKR-0003064** **FKIL345-BKR 5 **RETIRED****

RESP AREA	WORK TYPE	WORK NUMBER	STATUS	DESCRIPTION	PRTY	REPORT DATE	REPORTED BY	SUPV	HRS	ACTUAL FINISH
FACILITY	CMP-0	**0007339505**	CLOSE	0500-28 BKR WINTERIZATION INSP 5	4	10/1/2007	MAXADMIN	40371	1.0	11/17/2007
Long Description:										
FACILITY	CMP	**0006900867**	CLOSE	0500-17 - FKIL 345 BKR 5 AIR RECEIVER INSPECT.	2	5/1/2007	MAXADMIN	40371	1.5	5/25/2007
Long Description:	**5 receivers X 2 hrs.= 10 hours @ 1 person**									
FACILITY	GC	**0006705359**	CLOSE	GAS CALL- BKR 5	2	3/13/2007	16933	16933	0.0	3/13/2007
Long Description:										
FACILITY	CMP	**0006652017**	CLOSE	0500-28 SUMMERIZATION INSP BKR 5	2	3/1/2007	MAXADMIN	40371	2.0	4/16/2007
Long Description:										
FACILITY	GC	**0006577741**	CLOSE	GAS CALL- BKR 5	2	2/21/2007	16933	16933	0.0	2/21/2007
Long Description:										
FACILITY	GC	**0006516055**	CLOSE	GAS CALL- BKR 5	2	1/31/2007	81952	81952	0.0	1/31/2007
Long Description:										
FACILITY	GC	**0006497408**	CLOSE	GAS CALL- BKR 5	2	1/30/2007	81952	81952	0.0	1/30/2007
Long Description:										
FACILITY	GC	**0006495931**	CLOSE	GAS CALL- BKR 5	2	1/29/2007	81952	81952	0.0	1/29/2007
Long Description:										
FACILITY	GC	**0006491458**	CLOSE	GAS CALL- BKR 5	2	1/28/2007	81952	81952	0.0	1/28/2007
Long Description:										
FACILITY	CMP	**0006231775**	CLOSE	0500-17 - FKIL 345 BKR 5 AIR RECEIVER INSPECT.	2	11/1/2006	MAXADMIN	00422	2.0	12/23/2006
Long Description:	**5 receivers X 2 hrs.= 10 hours @ 1 person**									
FACILITY	GC	**0006144703**	CLOSE	GAS CALL- BKR 5	2	10/3/2006	16933	16933	0.0	10/3/2006
Long Description:										
FACILITY	CMP	**0006095632**	CLOSE	0500-17 ANNUAL COMPRESSOR BKR 5 COMP2	2	9/30/2006	MAXADMIN	40371	2.0	12/4/2006
Long Description:										
FACILITY	CMP	**0006095601**	CLOSE	0500-17 ANNUAL COMPRESSOR BKR 5 COMP1	2	9/30/2006	MAXADMIN	40371	2.0	12/4/2006
Long Description:										
FACILITY	CMP	**0006077531**	CLOSE	0500-28 BKR WINTERIZATION INSP 5	2	9/30/2006	MAXADMIN	40371	2.0	11/18/2006
Long Description:										

Redacted

MAXIMO REPORT: EQUIPMENT HISTORY

Station: FRESH KILLS 345 **Equipment: BKR-0003064** **FKIL345-BKR 5 **RETIRED****

RESP AREA	WORK TYPE	WORK NUMBER	STATUS	DESCRIPTION	PRTY	REPORT DATE	REPORTED BY	SUPV	HRS	ACTUAL FINISH
FACILITY	CMP	**0005598024**	CLOSE	0500-17 - FKIL 345 BKR 5 AIR RECEIVER INSPECT.	2	5/1/2006	MAXADMIN	40371	2.0	5/30/2006
Long Description: **5 receivers X 2 hrs.= 10 hours @ 1 person**										
FACILITY	CMP	**0005342176**	CLOSE	0500-28 BKR SUMMERIZATION INSP 5	2	2/28/2006	MAXADMIN	40371	2.0	5/1/2006
Long Description:										
FACILITY	GC	**0005247200**	CLOSE	GAS CALL- BKR 5	2	2/2/2006	17221	16933	0.0	2/2/2006
Long Description:										
FACILITY	CMP	**0000345815**	CLOSE	0500-17 - FKIL 345 BKR 5 AIR RECEIVER INSPECT.	2	10/28/2005	PMWOGEN	40371	2.0	11/6/2005
Long Description: **5 receivers X 2 hrs.= 10 hours @ 1 person**										
FACILITY	CMP	**0000339783**	CLOSE	0500-17 ANNUAL COMPRESSOR BKR 5 COMP2	2	9/25/2005	PMWOGEN	40371	4.0	10/30/2005
Long Description:										
FACILITY	CMP	**0000339782**	CLOSE	0500-17 ANNUAL COMPRESSOR BKR 5 COMP1	2	9/25/2005	PMWOGEN	40371	4.0	10/30/2005
Long Description:										
FACILITY	GC	**0000323778**	CLOSE	GAS CALL- BKR 5	2	6/19/2005	44597	44597	0.0	6/19/2005
Long Description:										
FACILITY	CMP	**0000312928**	CLOSE	0500-17 - FKIL 345 BKR 5 AIR RECEIVER INSPECT.	4	5/2/2005	19093	40371	2.0	5/15/2005
Long Description: **5 receivers X 2 hrs.= 10 hours @ 1 person**										
FACILITY	GC	**0000310558**	CLOSE	GAS CALL- BKR 5	2	4/12/2005	16933	16933	0.0	4/12/2005
Long Description:										
FACILITY	CMP	**0000307887**	CLOSE	0500-02 DEW POINT TESTING -BKR 5	4	3/25/2005	PMWOGEN	40371	0.0	6/19/2005
Long Description:										
FACILITY	CMP	**0000299356**	CLOSE	0500-28 BKR SUMMERIZATION INSP 5	4	2/25/2005	PMWOGEN	40371	2.0	5/21/2005
Long Description:										
FACILITY	EM	**0000296996**	CLOSE	FRESH KILLS - 345 BKR. 5 WON'T OPEN - TROUBLESHOOT	2	2/6/2005	40371	40371	134.0	2/7/2005
Long Description:										
FACILITY	GC	**0000296662**	CLOSE	GAS CALL- BKR 5	2	2/2/2005	03332	40371	0.0	2/3/2005
Long Description:										

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MAXIMO REPORT: EQUIPMENT HISTORY

Station: FRESH KILLS 345 **Equipment: BKR-0003064** **FKIL345-BKR 5 **RETIRED****

RESP AREA	WORK TYPE	WORK NUMBER	STATUS	DESCRIPTION	PRTY	REPORT DATE	REPORTED BY	SUPV	HRS	ACTUAL FINISH
FACILITY	JUMP	**0000281397**	CLOSE	BRK 5 - TO CLEAR ALARM	5	11/17/2004	14038	83932	0.0	1/31/2005
Long Description:	**345 cub 2-6 contacts z5-z6 jump out trip circuit monitering alarm**									
FACILITY	ALARM	**0000281133**	CLOSE	BKR. #5 TC#1 LIGHT OUT ALARM UP	2	11/14/2004	49417	40371	12.0	11/21/2004
Long Description:	**Alarm came up after AK closed BKR #5**									
FACILITY	CM	**0000281102**	CLOSE	F.K. BKR. 5 TROUBLE SHOOT - PROBLEM WITH	3	11/14/2004	40371	40371	16.0	11/21/2004
Long Description:	**found broken contactor - part on order**									
FACILITY	JUMP	**0000280814**	CLOSE	#23205 BKR#5 A PH AIR COMPRESSOR	5	11/9/2004	49417	38948	0.0	2/27/2008
Long Description:	**JUMPER**									
FACILITY	CMP	**0000277821**	CLOSE	0500-17 - FKIL 345 BKR 5 AIR RECEIVER INSPECT.	4	10/25/2004	PMWOGEN	40371	4.0	12/3/2004
Long Description:	**5 receivers X 2 hrs.= 10 hours @ 1 person**									
FACILITY	CMP	**0000277812**	CLOSE	0500-28 BKR WINTERIZATION INSP 5	4	10/25/2004	PMWOGEN	40371	2.0	12/5/2004
Long Description:										
FACILITY	CM	**0000276705**	CLOSE	FRESH KILLS - BKR. 5 AIR COMPRESSOR REPAIRS	3	10/16/2004	40371	40371	4.0	10/18/2004
Long Description:										
FACILITY	CMP	**0000273074**	CLOSE	0500-17 ANNUAL COMPRESSOR BKR 5 COMP2	4	9/25/2004	PMWOGEN	40371	4.0	10/15/2004
Long Description:										
FACILITY	CMP	**0000273073**	CLOSE	0500-17 ANNUAL COMPRESSOR BKR 5 COMP1	4	9/25/2004	PMWOGEN	40371	4.0	10/15/2004
Long Description:										
FACILITY	CM	**0000256764**	CLOSE	AIR LEAK AT A PHASE RECEIVER	2	5/27/2004	18784	40371	4.0	8/10/2004
Long Description:										
FACILITY	CMP	**0000252165**	CLOSE	0500-17 - FKIL 345 BKR 5 AIR RECEIVER INSPECT.	4	4/25/2004	PMWOGEN	40371	0.0	5/30/2004
Long Description:	**5 receivers X 2 hrs.= 10 hours @ 1 person**									
FACILITY	CMP	**0000249819**	CLOSE	0500-02 DEW POINT TESTING -BKR 5	4	3/25/2004	PMWOGEN	40371	0.0	6/25/2004
Long Description:										
FACILITY	CMP	**0000244028**	CLOSE	0500-28 BKR SUMMERIZATION INSP 5	4	2/28/2004	PMWOGEN	40371	1.0	4/12/2004
Long Description:										

Redacted

MAXIMO REPORT: EQUIPMENT HISTORY

Station: FRESH KILLS 345 **Equipment: BKR-0003064** **FKIL345-BKR 5 **RETIRED****

RESP AREA	WORK TYPE	WORK NUMBER	STATUS	DESCRIPTION	PRTY	REPORT DATE	REPORTED BY	SUPV	HRS	ACTUAL FINISH
FACILITY	CMP	**0000230607**	CLOSE	0500-17 - FKIL 345 BKR 5 AIR RECEIVER INSPECT.	4	10/30/2003	PMWOGEN	40371	1.5	2/15/2004
Long Description:	**5 receivers X 2 hrs.= 10 hours @ 1 person**									
FACILITY	SAFE	**0000228580**	CLOSE	REMOVE REBAR PROTRUDING FROM THE GROUND BETWEEN BKR 5 AND DISC.5A	4	10/22/2003	44597	40371	1.0	11/4/2003
Long Description:	**the piece of rebar has a safety cone on top of it to prevent a tripping hazard....**									
FACILITY	GC	**0000227652**	CLOSE	GAS CALL- BKR 5	2	10/13/2003	44597	44597	0.0	10/13/2003
Long Description:										
FACILITY	CMP	**0000225969**	CLOSE	0500-17 ANNUAL COMPRESSOR BKR 5 COMP2	4	9/30/2003	49657	40371	2.5	2/22/2004
Long Description:										
FACILITY	CMP	**0000225968**	CLOSE	0500-17 ANNUAL COMPRESSOR BKR 5 COMP1	4	9/30/2003	49657	40371	1.5	2/22/2004
Long Description:										
FACILITY	CMP	**0000206954**	CLOSE	0500-17 - FKIL 345 BKR 5 AIR RECEIVER INSPECT.	2	5/1/2003	40371	18640	2.0	6/3/2003
Long Description:	**5 receivers X 2 hrs.= 10 hours @ 1 person**									
FACILITY	CMP	**0000206790**	CLOSE	0500-28 BKR SUMM/WINT INSP 5	2	5/1/2003	40371	07026	2.0	6/1/2003
Long Description:										
FACILITY	CMP	**0000203854**	CLOSE	0500-02 DEW POINT TESTING -BKR 5	2	4/1/2003	40371		0.0	5/25/2003
Long Description:										
FACILITY	GC	**0000194368**	CLOSE	GAS CALL- BKR 5	2	1/24/2003	51272		0.0	1/24/2003
Long Description:										
FACILITY	CM	**0000192327**	CLOSE	FRESH KILLS - AIR COMPRESSORS 345KV	4	1/5/2003	40371	38948	6.0	1/5/2003
Long Description:										
FACILITY	CMP	**0000184217**	CLOSE	0500-17 - FKIL 345 BKR 5 AIR RECEIVER INSPECT.	2	11/1/2002	40371	83932	1.5	12/15/2002
Long Description:	**5 receivers X 2 hrs.= 10 hours @ 1 person**									
FACILITY	CMP	**0000184209**	CLOSE	0500-28 BKR SUMM/WINT INSP 5	2	11/1/2002	40371	52581	1.5	11/12/2002
Long Description:										
FACILITY	CMP	**0000177949**	CLOSE	0500-17 ANNUAL COMPRESSOR BKR 5 COMP2	2	10/1/2002	40371	52581	8.0	10/13/2002
Long Description:										

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MAXIMO REPORT: EQUIPMENT HISTORY

Station: FRESH KILLS 345 **Equipment: BKR-0003064** **FKIL345-BKR 5 **RETIRED****

RESP AREA	WORK TYPE	WORK NUMBER	STATUS	DESCRIPTION	PRTY	REPORT DATE	REPORTED BY	SUPV	HRS	ACTUAL FINISH
FACILITY	CMP	**0000177948**	CLOSE	0500-17 ANNUAL COMPRESSOR BKR 5 COMP1	2	10/1/2002	40371	52581	8.0	10/8/2002
Long Description:										
FACILITY	CM	**0000173376**	CLOSE	FRESH KILLS - BKR. 5 COMPRESSOR 345KV	4	8/29/2002	40371	49657	12.0	9/2/2002
Long Description:										
FACILITY	CMP	**0000160388**	CLOSE	0500-28 BKR SUMM/WINT INSP 5	2	5/1/2002	40371	52581	1.5	6/3/2002
Long Description:										
FACILITY	CM	**0000157060**	CLOSE	FRESH KILLS - BRK #5 - HOOK UP AIR TANKER	4	4/10/2002	40371	16791	4.0	4/16/2002
Long Description:										
FACILITY	CM	**0000156661**	CLOSE	FRESH KILLS - BKR. 5 (345KV)	4	4/8/2002	40371	52581	71.0	4/16/2002
Long Description:	**Check out new compressor for installation for replacement.** **Remove and replace compressor on c phase.** **Remove and replace compressor on a phase.**									
FACILITY	JUMP	**0000156396**	CLOSE	TEMPORARY JUMPER TAG # 23971	4	4/4/2002	15321		0.0	11/12/2002
Long Description:	**Bkr # 5 removed ac feed to air compressor ,jumper installed on wire # 104 and # 105to clear alarm**									
FACILITY	CMP	**0000156137**	CLOSE	0500-02 DEW POINT TESTING -BKR 5	2	4/2/2002	40371		0.0	6/12/2002
Long Description:										
FACILITY	GC	**0000156027**	CLOSE	GAS CALL- BKR 5	2	4/1/2002	19093		0.0	4/2/2002
Long Description:										
FACILITY	CM	**0000156025**	CLOSE	BKR. 5 B PHASE AIR COMPRESSOR A/C FEED LIGHT	4	4/1/2002	49417	52581	1.0	4/8/2002
Long Description:	**A/C FEED LIGHT SHORTING...NEED NEW 220V SOCKET** **4-3-02 replaced with a 220 bulb B.Amtzis**									
FACILITY	CM	**0000156024**	CLOSE	BKR. 5 A PHASE AIR COMPRESSOR A/C FEED LIGHT	4	4/1/2002	49417	52581	1.0	4/8/2002
Long Description:	**A/C FEED LIGHT SHORTING...NEED NEW 220V SOCKET** **4-3-02 replaced with 220 bulb B.Amtzis**									
FACILITY	CM	**0000153406**	CLOSE	BKR.#5 (345) EXCESSIVE RUNNING OF AIR COMPRESSOR	4	3/18/2002	49417	52581	48.0	3/25/2002
Long Description:	**3-18-02 all valves and safety were replaced or rebuilt. replaced 2nd stage back pressure check valve, replaced 3rd stage seperator. we feel its a clogged intercooler will check today 3-19-02 B.Amtzis**									

Redacted

MAXIMO REPORT: EQUIPMENT HISTORY

Station: FRESH KILLS 345 **Equipment: BKR-0003064** **FKIL345-BKR 5 **RETIRED****

RESP AREA	WORK TYPE	WORK NUMBER	STATUS	DESCRIPTION	PRTY	REPORT DATE	REPORTED BY	SUPV	HRS	ACTUAL FINISH
FACILITY	GC	**0000140167**	CLOSE	GAS CALL- BKR 5	1	12/6/2001	19093		0.0	12/7/2001
Long Description:										
FACILITY	CMP	**0000135143**	CLOSE	0500-28 BKR SUMM/WINT INSP 5	9	10/29/2001	40371	52581	1.5	11/2/2001
Long Description:	**10-31-01 JOB COMPLETED T. COOHILL**									
FACILITY	CM	**0000133072**	CLOSE	FRESH KILLS - BKR. 5 - 345, ADD OIL TO COMPRESSOR	9	10/12/2001	40371	52581	3.0	12/3/2001
Long Description:										
FACILITY	CM	**0000132575**	CLOSE	BKR 5 - FAILURE TO OPERATE	9	10/9/2001	03332	49657	64.0	10/11/2001
Long Description:	**bkr. failure to operate - found burnt resistor in control cabinet - replaced same. Bkr will be taken out of service on 10/7/01 to do inspection and timing and adjustment if needed.**									
FACILITY	GC	**0000132358**	CLOSE	GAS CALL- BKR 5	1	10/6/2001	28920		0.0	10/7/2001
Long Description:										
FACILITY	CM	**0000130439**	CLOSE	BKR 5 - FAILURE TO OPERATE	9	9/30/2001	03332	49657	38.0	10/9/2001
Long Description:	**bkr. failure to operate - found burnt resistor in control cabinet - replaced same. Bkr will be taken out of service on 10/7/01 to do inspection and timing and adjustment if needed.**									
FACILITY	CMP	**0000128837**	CLOSE	0500-17 ANNUAL COMPRESSOR BKR 5 COMP1	9	9/20/2001	40371	49657	14.0	9/28/2001
Long Description:										
FACILITY	CMP	**0000128836**	CLOSE	0500-17 ANNUAL COMPRESSOR BKR 5 COMP2	9	9/20/2001	40371	49657	18.0	9/28/2001
Long Description:										
FACILITY	SUPT	**0000127388**	CLOSE	FRESH KILLS S/S - BKR. 5 345KV YARD - BKYLN SUPPORT	9	9/4/2001	40371	52581	11.0	9/10/2001
Long Description:	**BKRS. 3 AND 5 WERE OPENED SO THAT AK 3 TO COME OFF LINE. WHEN RESTORING BKRS. 3 AND 5 WOULD NOT CLOSE.**									
FACILITY	EM	**0000127232**	CLOSE	FRESH KILLS S/S CALL IN - BKR. 5 345KV YARD	9	9/2/2001	40371	52581	32.0	9/10/2001
Long Description:	**BKRS. 3 AND 5 WERE OPENED SO THAT AK 3 TO COME OFF LINE. WHEN RESTORING BKRS. 3 AND 5 WOULD NOT CLOSE.**									
FACILITY	CM	**0000127101**	CLOSE	BRK. WOULD NOT CLOSE REMOTELY. WHEN CLOSED LOCALLY IT CAUSED LOSS OF BUS SECTION	9	9/1/2001	45451		14.5	10/9/2001
Long Description:										
FACILITY	GC	**0000117280**	CLOSE	GAS CALL- BKR 5	1	6/19/2001	16933		0.0	6/20/2001
Long Description:										

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MAXIMO REPORT: EQUIPMENT HISTORY

Station: FRESH KILLS 345 **Equipment: BKR-0003064** **FKIL345-BKR 5 **RETIRED****

RESP AREA	WORK TYPE	WORK NUMBER	STATUS	DESCRIPTION	PRTY	REPORT DATE	REPORTED BY	SUPV	HRS	ACTUAL FINISH
FACILITY	CMP	**0000112140**	CLOSE	0500-28 BKR SUMM/WINT INSP 5	9	5/1/2001	40371	16791	3.0	6/11/2001
Long Description:										
FACILITY	CMP	**0000106625**	CLOSE	0500-02 DEW POINT TESTING -BKR 5	1	4/2/2001	40371	16791	0.5	6/25/2001
Long Description:										
FACILITY	CM	**0000104640**	CLOSE	FRESH KILLS S/S - BKR. 5 COMPRESSOR	9	3/16/2001	40371	16791	72.0	3/21/2001
Long Description:	**REBUILD 1 ST AND 2ND STAGE COMPRESSOR ON BKR #5.**									
FACILITY	HPOT	**0000103613**	CLOSE	FKIL345- BKR 5 (OH) - HIPOT	1	3/8/2001	40371	16791	32.0	3/26/2001
Long Description:										
FACILITY	OH	**0000096273**	CLOSE	FKIL345- BKR 5 (OH) - CAPTURE GUW'S TIME	1	1/31/2001	40371	16791	684.0	3/26/2001
Long Description:	**WORK TO CAPTURE TIME FOR GUW'S AND :b: MECHANIC TIMES.**									
FACILITY	OH	**0000096265**	CLOSE	FKIL345- BKR 5 (OH) - ERECT & REMOVE SCAFFOLDING	1	1/31/2001	40371	16791	40.0	3/26/2001
Long Description:	**hold work permit for vendor to erecrt scaffolding.**									
FACILITY	GC	**0000095443**	CLOSE	GAS CALL- BKR 5	1	1/21/2001	74840		0.0	1/22/2001
Long Description:										
FACILITY	CM	**0000093472**	CLOSE	FRESH KILLS S/S - BKR #5 COMPRESSOR	9	1/5/2001	40371	49657	24.0	1/4/2001
Long Description:	**POLE 3, CHANGE OUT VALVES AND PRESSURE TEST.**									
FACILITY	CMP	**0000092496**	CLOSE	0500-02 DEW POINT TESTING -BKR 5	1	12/31/2000	40371	16791	1.0	3/26/2001
Long Description:										
FACILITY	GC	**0000089528**	CLOSE	GAS CALL- BKR 5	2	12/20/2000	19093		28.0	2/10/2003
Long Description:										
FACILITY	GC	**0000085482**	CLOSE	FKIL345-GAS CALL ACB/ATB5AY 5	1	11/23/2000	14038		0.0	11/27/2000
Long Description:										
FACILITY	CMP	**0000078461**	CLOSE	0500-28 BKR SUMM/WINT INSP 5	9	10/31/2000	40371	49657	1.5	11/6/2000
Long Description:										
FACILITY	GC	**0000077712**	CLOSE	FKIL345-GAS CALL ACB/ATB5AY 5	1	10/23/2000	44597		0.0	10/24/2000
Long Description:										

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MAXIMO REPORT: EQUIPMENT HISTORY

Station: FRESH KILLS 345 **Equipment: BKR-0003064** **FKIL345-BKR 5 **RETIRED****

RESP AREA	WORK TYPE	WORK NUMBER	STATUS	DESCRIPTION	PRTY	REPORT DATE	REPORTED BY	SUPV	HRS	ACTUAL FINISH
FACILITY	GC	**0000076792**	CLOSE	FKIL345-GAS CALL ACB/ATB5AY 5	1	10/11/2000	40371		0.0	10/12/2000
Long Description:										
FACILITY	CMP	**0000074622**	CLOSE	0500-17 ANNUAL COMPRESSOR BKR 5 COMP1	9	9/28/2000	40371	49657	16.0	10/6/2000
Long Description:										
FACILITY	CMP	**0000074621**	CLOSE	0500-17 ANNUAL COMPRESSOR BKR 5 COMP2	9	9/28/2000	40371	49657	24.0	10/6/2000
Long Description:										
FACILITY	CMP	**0000074617**	CLOSE	0500-02 DEW POINT TESTING -BKR 5	1	9/28/2000	40371	49657	2.0	12/19/2000
Long Description:										
FACILITY	OH	**0000073687**	CLOSE	FKIL345- BKR 5 (OH)	1	9/19/2000	40371	16791	1348.0	3/12/2001
Long Description:										
FACILITY	CMP	**0000069599**	CLOSE	0500-02 DEW POINT TESTING -BKR 5	1	8/10/2000	40371	49657	3.0	8/7/2000
Long Description:	**WORKING WITH CHEM LAB TAKING SAMPLES**									
FACILITY	CMP	**0000064952**	CLOSE	0500-02 DEW POINT TESTING -BKR 5	1	6/26/2000	40371		0.0	7/25/2000
Long Description:	**on 7/24/00 supervisor P.Vieira informs me that this was completed sometime ago - no date given**									
FACILITY	CM	**0000062088**	CLOSE	FRESH KILLS S/S - BKR. 5 - AIR COMPRESSOR	9	5/30/2000	40371	49657	23.5	5/26/2000
Long Description:	**AIR COMPRESSOR INSPECTION - ADDED OIL AND RAN EQUIPMENT AND GENERAL HOUSEKEEPING**									
FACILITY	GC	**0000057696**	CLOSE	FKIL345-GAS CALL ACB/ATB5AY 5	1	4/18/2000	49417		0.0	4/24/2000
Long Description:										
FACILITY	CMP	**0000056911**	CLOSE	0500-02-SF6 DEWPOINTS 5 BKR	1	4/7/2000	40371	49657	1.0	4/6/2000
Long Description:										
FACILITY	CMP	**0000040750**	CLOSE	0500-02-SF6 DEWPOINTS 5 BKR	1	11/10/1999	40371	49657	1.0	11/9/1999
Long Description:										
FACILITY	CMP	**0000040743**	CLOSE	0500-28 WINTERIZATION (FKIL345) BKR-5	9	11/10/1999	40371	49657	1.5	11/12/1999
Long Description:										
FACILITY	CMP	**0000037497**	CLOSE	FRESH KILLS S/S 345KV BKR #5	4	10/18/1999	40371	49657	48.0	10/15/1999
Long Description:	**interruptor inspection - opened all interruptor heads, inspected same and found satisfactory as per marty hake. closed all heads, also rebuilding manual trip handle (air leak).**									

Redacted

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MAXIMO REPORT: EQUIPMENT HISTORY

Station: FRESH KILLS 345 **Equipment: BKR-0003064** **FKIL345-BKR 5 **RETIRED****

RESP AREA	WORK TYPE	WORK NUMBER	STATUS	DESCRIPTION	PRTY	REPORT DATE	REPORTED BY	SUPV	HRS	ACTUAL FINISH
FACILITY	CM	**0000034685**	CLOSE	FRESH KILLS - COMPRESSOR	9	9/24/1999	40371	49657	40.0	9/27/1999
Long Description:										
FACILITY	GC	**0000019132**	CLOSE	FKIL345-GAS CALL ACB/ATB5AY 5	1	5/19/1999	05602		3.5	12/24/2000
Long Description:										
FACILITY	CM	**0000014978**	CLOSE	FK, BKR 5, POLE 2 & 3 AIR COMPRESSERS	9	3/30/1999	05602	71685	8.0	3/29/1999
Long Description:	**pole 2 rebuilt 1st stage head & cleaned cabinet, added oil as needed** **pole 3 cleaned cabinet and added oil as needed**									
FACILITY	PM	**0000010240**	CLOSE	BKR #5 , FRESH KILLS / SERVICE AIR COMP	9	1/25/1999	05602	71685	2.0	1/22/1999
Long Description:	**pole 2 added 2qts of oil** **pole 3 added 4 qts of oil**									
FACILITY	CMP	**0000010070**	CLOSE	500-02-SF6 DEWPOINTS 5 BKR	1	1/21/1999	05602	71685	1.5	1/21/1999
Long Description:										
FACILITY	PM	**0000004434**	CLOSE	SERVICE COMPRESSER UNLOADER RESERVIORS	9	12/2/1998	05602	71685	0.0	12/1/1998
Long Description:	**Drain unloader reserviors**									
FACILITY	EM	**0000004115**	CLOSE	Investigate cause of comp not starting / Bkr 5 / FK	9	11/13/1998	05602	71685	0.0	11/12/1998
Long Description:	**problem traced to thermal contact on line starter**									
FACILITY	CM	**0000003896**	CLOSE	Bkr #5 / FK / Grd level leak check	9	11/6/1998	05602	71685	0.0	11/6/1998
Long Description:										
FACILITY	PROGM	**0000003585**	CLOSE	Lower gas sampling valve in cab	9	10/14/1998	05602	71685	0.0	10/13/1998
Long Description:										

136 total work order(s) having 4988 hours.

Redacted

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MAXIMO REPORT: EQUIPMENT HISTORY

Station: FRESH KILLS 138 **Equipment: BKR-0003078** **FK 138- BKR BT1-4 **RETIRED****

RESP AREA	WORK TYPE	WORK NUMBER	STATUS	DESCRIPTION	PRTY	REPORT DATE	REPORTED BY	SUPV	HRS	ACTUAL FINISH
FACILITY	CAP	**0006806985**	CLOSE	FRESH KILLS - BKR. BT1-4 REPLACEMENT - MASTER -MAINTENANCE - INSTALLATION	2	4/9/2007	40371	40371	57.5	4/10/2007
Long Description:										
FACILITY	JUMP	**0006787558**	CLOSE	TEMP JUMP TAG#12141	5	4/1/2007	81952	17051	0.0	4/1/2007
Long Description: **local alarm jumpd**										
FACILITY	CAP	**0006778163**	CLOSE	FRESH KILLS - BKR. BT1-4 REPLACEMENT - FAULTY CT WIRING FROM F.K. TO NRG	2	4/1/2007	40371	40371	28.0	4/1/2007
Long Description:										
FACILITY	CAP	**0006688151**	CLOSE	FRESH KILLS - BKR. BT1-4 REPLACEMENT - OPERATOR COVERAGE (INSTALLATION)	2	3/4/2007	40371	40371	558.0	4/2/2007
Long Description:										
FACILITY	CAP	**0006688017**	CLOSE	FRESH KILLS - BKR. BT1-4 REPLACEMENT - MASTER -MAINTENANCE - INSTALLATION	2	3/4/2007	40371	40371	1251.5	3/31/2007
Long Description:										
FACILITY	JUMP	**0006584131**	CLOSE	12138	5	2/26/2007	81952	17051	0.0	4/1/2007
Long Description: **locaTED in control room cable chamber cabinet behind desk**										
FACILITY	CAP	**0006583803**	CLOSE	FRESH KILLS - BKR. BT1-4 REPLACEMENT - OPERATOR COVERAGE (RETIRE)	2	2/26/2007	40371	40371	0.0	4/9/2007
Long Description: **duplicate work order**										
FACILITY	JUMP	**0006583666**	CLOSE	12141	5	2/25/2007	81952	17051	0.0	4/1/2007
Long Description: **bkr bt1-4 local alarm jumper in panel 138kv cable chamber next to 138kv control board (ja8)**										
FACILITY	JUMP	**0006583648**	CLOSE	12142	5	2/25/2007	81952	17051	0.0	3/29/2007
Long Description: **disc sw for fdr 38r52 interlock for disc sw fdr 38r52 jumper on terms tb 12-11 tb12- 10 in panel cw-7**										
FACILITY	JUMP	**0006583639**	CLOSE	12143	5	2/25/2007	81952	17051	0.0	3/29/2007
Long Description: **disc sw tr 23n interlock for disc sw 23n jumper on terms 12-8 12-7**										
FACILITY	JUMP	**0006583630**	CLOSE	12139	5	2/25/2007	81952	17051	0.0	4/1/2007
Long Description: **inter lock for g2e disc sw in cw-1 panel jumper on terms 183-184**										
FACILITY	JUMP	**0006583621**	CLOSE	12137	5	2/25/2007	81952	17051	0.0	4/1/2007
Long Description: **bt1 -4 ct's**										

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MAXIMO REPORT: EQUIPMENT HISTORY

Station: FRESH KILLS 138 **Equipment: BKR-0003078** **FK 138- BKR BT1-4 **RETIRED****

RESP AREA	WORK TYPE	WORK NUMBER	STATUS	DESCRIPTION	PRTY	REPORT DATE	REPORTED BY	SUPV	HRS	ACTUAL FINISH
FACILITY	JUMP	**0006583579**	CLOSE	12156	5	2/25/2007	81952	17051	0.0	3/24/2007
Long Description:	**bt1-4 ct's**									
FACILITY	JUMP	**0006583506**	CLOSE	12140	5	2/25/2007	81952	17051	0.0	4/1/2007
Long Description:	**bkr bt1-4 trip ckt mont alarm**									
FACILITY	GC	**0006564738**	CLOSE	GAS CALL- BKR BT1-4	2	2/14/2007	81952	81952	0.0	2/14/2007
Long Description:										
FACILITY	GC	**0006496064**	CLOSE	GAS CALL- BKR BT1-4	2	1/29/2007	81952	81952	0.0	1/29/2007
Long Description:										
FACILITY	GC	**0006491052**	CLOSE	GAS CALL- BKR BT1-4	2	1/27/2007	81952	81952	0.0	1/27/2007
Long Description:										
FACILITY	CAP	**0006481478**	CLOSE	FRESH KILLS - BKR. BT1-4 REPLACEMENT - EI & MAINTENANCE COVERAGE - (PREP)	5	1/21/2007	40371	40371	0.0	2/27/2007
Long Description:	**EI to cover contractor digging trench for piping between bt1-4 & bt1-3 breakers to relay for additional control cables for new breaker installation.** **maintenance laying pvc piping for addtional new cables.**									
FACILITY	GC	**0006478873**	CLOSE	GAS CALL- BKR BT1-4	2	1/19/2007	81952	81952	0.0	1/19/2007
Long Description:										
FACILITY	CAP	**0006462825**	CLOSE	FRESH KILLS - BKR. BT1-4 REPLACEMENT - EI & MAINTENANCE COVERAGE	5	1/15/2007	40371		89.0	1/18/2007
Long Description:	**EI to cover contractor digging trench for piping between bt1-4 & bt1-3 breakers to relay for additional control cables for new breaker installation.** **maintenance laying pvc piping for addtional new cables.**									
FACILITY	GC	**0006455759**	CLOSE	GAS CALL- BKR BT1-4	2	1/9/2007	85684	85684	0.0	1/9/2007
Long Description:										
FACILITY	CAP	**0006363838**	CLOSE	FRESH KILLS - BKR. BT1-4 REPLACEMENT - MASTER -MAINTENANCE RETIRE PORTION	2	12/14/2006	40371	40371	564.5	3/15/2007
Long Description:										
FACILITY	GC	**0006252695**	CLOSE	GAS CALL- BKR BT1-4	2	11/16/2006	03332	03332	0.0	11/16/2006
Long Description:										

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MAXIMO REPORT: EQUIPMENT HISTORY

Station: FRESH KILLS 138 **Equipment: BKR-0003078** **FK 138- BKR BT1-4 **RETIRED****

RESP AREA	WORK TYPE	WORK NUMBER	STATUS	DESCRIPTION	PRTY	REPORT DATE	REPORTED BY	SUPV	HRS	ACTUAL FINISH
FACILITY Long Description:	GC	**0006240753**	CLOSE	GAS CALL- BKR BT1-4	2	11/4/2006	03332	03332	0.0	11/4/2006
FACILITY Long Description: **5 receivers X 2 hrs.= 10 hours @ 1 person**	CMP	**0006232375**	CLOSE	0500-17 - FK 138 BKR BT1-4 AIR RECEIVER INSPECT.	2	11/1/2006	MAXADMIN	40371	1.5	12/31/2006
FACILITY Long Description:	GC	**0006171357**	CLOSE	GAS CALL- BKR BT1-4	2	10/25/2006	03332	03332	0.0	10/25/2006
FACILITY Long Description:	GC	**0006156749**	CLOSE	GAS CALL- BKR BT1-4	2	10/13/2006	44597	44597	0.0	10/13/2006
FACILITY Long Description:	GC	**0006149158**	CLOSE	GAS CALL- BKR BT1-4	2	10/8/2006	44597	44597	0.0	10/8/2006
FACILITY Long Description:	CMP	**0006076714**	CLOSE	0500-28 BKR WINTERIZATION INSP BT1-4	2	9/30/2006	MAXADMIN	40371	2.0	10/29/2006
FACILITY Long Description:	GC	**0006069990**	CLOSE	GAS CALL- BKR BT1-4	2	9/29/2006	51272	51272	0.0	9/29/2006
FACILITY Long Description:	GC	**0006058335**	CLOSE	GAS CALL- BKR BT1-4	2	9/22/2006	03332	03332	0.0	9/22/2006
FACILITY Long Description:	GC	**0006037588**	CLOSE	GAS CALL- BKR BT1-4	2	9/9/2006	51272	51272	0.0	9/9/2006
AUXSUP Long Description:	CM	**0006032148**	CLOSE	F.K. BKR. BT1-4 HIPOT	3	9/5/2006	18917	40371	3.5	9/5/2006
AUXSUP Long Description:	CM	**0005974621**	CLOSE	BT BREAKER HIPOT ASSIST - ASM	5	8/30/2006	08050		39.0	11/19/2006
FACILITY Long Description:	CM	**0005973382**	CLOSE	HI-POT BREAKER	4	8/30/2006	12977		10.5	11/19/2006
FACILITY Long Description:	CM	**0005958176**	CLOSE	F.K. BKR. BT1-4 SF6 GAS LEAK ON "A" PHASE - OUTAGE PREPARATION	3	8/21/2006	40371	40371	42.0	8/26/2006

Redacted

MAXIMO REPORT: EQUIPMENT HISTORY

Station: FRESH KILLS 138 **Equipment: BKR-0003078** **FK 138- BKR BT1-4 **RETIRED****

RESP AREA	WORK TYPE	WORK NUMBER	STATUS	DESCRIPTION	PRTY	REPORT DATE	REPORTED BY	SUPV	HRS	ACTUAL FINISH
FACILITY Long Description:	GC	**0005952477**	CLOSE	GAS CALL- BKR BT1-4	2	8/16/2006	28920	28920	0.0	8/16/2006
FACILITY Long Description:	GC	**0005946530**	CLOSE	GAS CALL- BKR BT1-4	2	8/15/2006	44597	44597	0.0	8/15/2006
FACILITY Long Description:	GC	**0005945290**	CLOSE	GAS CALL- BKR BT1-4	2	8/14/2006	44597	44597	0.0	8/14/2006
FACILITY Long Description:	GC	**0005940262**	CLOSE	GAS CALL- BKR BT1-4	2	8/13/2006	44597	44597	0.0	8/13/2006
FACILITY Long Description:	GC	**0005940132**	CLOSE	GAS CALL- BKR BT1-4	2	8/12/2006	44597	44597	0.0	8/12/2006
FACILITY Long Description:	GC	**0005934589**	CLOSE	GAS CALL- BKR BT1-4	2	8/8/2006	51272	51272	0.0	8/8/2006
FACILITY Long Description:	GC	**0005932903**	CLOSE	GAS CALL- BKR BT1-4	2	8/7/2006	51272	51272	0.0	8/7/2006
FACILITY Long Description:	GC	**0005932546**	CLOSE	GAS CALL- BKR BT1-4	2	8/6/2006	51272	51272	0.0	8/6/2006
FACILITY Long Description:	GC	**0005930387**	CLOSE	GAS CALL- BKR BT1-4	2	8/5/2006	51272	51272	0.0	8/5/2006
FACILITY Long Description:	GC	**0005929587**	CLOSE	GAS CALL- BKR BT1-4	2	8/4/2006	44597	44597	0.0	8/4/2006
FACILITY Long Description:	GC	**0005927243**	CLOSE	GAS CALL- BKR BT1-4	2	8/3/2006	44597	44597	0.0	8/3/2006
FACILITY Long Description:	GC	**0005887499**	CLOSE	GAS CALL- BKR BT1-4	2	7/31/2006	51272	51272	0.0	7/31/2006
FACILITY Long Description:	GC	**0005868978**	CLOSE	GAS CALL- BKR BT1-4	2	7/28/2006	51272	51272	0.0	7/30/2006
FACILITY Long Description:	GC	**0005867645**	CLOSE	GAS CALL- BKR BT1-4	2	7/27/2006	51272	51272	0.0	7/27/2006

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MAXIMO REPORT: EQUIPMENT HISTORY

Station: FRESH KILLS 138 **Equipment: BKR-0003078** **FK 138- BKR BT1-4 **RETIRED****

RESP AREA	WORK TYPE	WORK NUMBER	STATUS	DESCRIPTION	PRTY	REPORT DATE	REPORTED BY	SUPV	HRS	ACTUAL FINISH
FACILITY Long Description:	GC	**0005862946**	CLOSE	GAS CALL- BKR BT1-4	2	7/25/2006	03332	03332	0.0	7/25/2006
FACILITY Long Description:	GC	**0005859342**	CLOSE	GAS CALL- BKR BT1-4	2	7/23/2006	03332	03332	0.0	7/23/2006
FACILITY Long Description:	GC	**0005859106**	CLOSE	GAS CALL- BKR BT1-4	2	7/22/2006	03332	03332	0.0	7/22/2006
FACILITY Long Description:	GC	**0005858458**	CLOSE	GAS CALL- BKR BT1-4	2	7/21/2006	03332	03332	0.0	7/21/2006
FACILITY Long Description:	GC	**0005857654**	CLOSE	GAS CALL- BKR BT1-4	2	7/20/2006	51272	51272	0.0	7/20/2006
FACILITY Long Description:	GC	**0005853280**	CLOSE	GAS CALL- BKR BT1-4	2	7/19/2006	03332	03332	0.0	7/19/2006
FACILITY Long Description:	GC	**0005852006**	CLOSE	GAS CALL- BKR BT1-4	2	7/17/2006	85684	85684	0.0	7/17/2006
FACILITY Long Description:	GC	**0005848928**	CLOSE	GAS CALL- BKR BT1-4	2	7/15/2006	51272	51272	0.0	7/15/2006
FACILITY Long Description:	GC	**0005848466**	CLOSE	GAS CALL- BKR BT1-4	2	7/14/2006	03332	03332	0.0	7/14/2006
FACILITY Long Description:	CM	**0005845332**	CLOSE	FRESH KILLS	3	7/12/2006	03332	40371	282.0	8/30/2006

8/23/06 - set up gas cart to remove sf6 from breaker

8/24/06 vendor (encron) in to epoxy base of 3 bushing that are leaking.

8/25/06 vendor complete and preparing to fill and pull vacuum. Put bkr in service,but still leaking

8/26/06 vendor called back in to trouble shoot leak - found cracked poreclain on a phase bushing - no way to repair needs replacing. Found replacement at astoria storage. Maintenace working around the clock to chip away rubber expony at base to get at bolts for removal.

FACILITY Long Description:	GC	**0005845122**	CLOSE	GAS CALL- BKR BT1-4	2	7/12/2006	03332	03332	0.0	7/12/2006

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Exhibit __ (SIIP-1)
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MAXIMO REPORT: EQUIPMENT HISTORY

Station: FRESH KILLS 138 **Equipment: BKR-0003078** **FK 138- BKR BT1-4 **RETIRED****

RESP AREA	WORK TYPE	WORK NUMBER	STATUS	DESCRIPTION	PRTY	REPORT DATE	REPORTED BY	SUPV	HRS	ACTUAL FINISH
FACILITY	CM	**0005838752**	CLOSE	FRESH KILLS - BKR. BT 1-4 - GAS LEAKING	3	7/9/2006	40371	40371	4.0	7/7/2006
Long Description:	**addding gas just about everyday. - 7/7/06 low level leak check - found major leak coming from entrance bushing - outage required.**									
FACILITY	GC	**0005838601**	CLOSE	GAS CALL- BKR BT1-4	2	7/8/2006	51272	51272	0.0	7/8/2006
Long Description:										
FACILITY	GC	**0005838105**	CLOSE	GAS CALL- BKR BT1-4	2	7/7/2006	85684	85684	0.0	7/7/2006
Long Description:										
FACILITY	GC	**0005836848**	CLOSE	GAS CALL- BKR BT1-4	2	7/5/2006	03332	03332	0.0	7/5/2006
Long Description:										
FACILITY	GC	**0005773107**	CLOSE	GAS CALL- BKR BT1-4	2	6/28/2006	44597	44597	0.0	6/28/2006
Long Description:										
FACILITY	GC	**0005762755**	CLOSE	GAS CALL- BKR BT1-4	2	6/24/2006	51272	51272	0.0	8/2/2006
Long Description:										
FACILITY	GC	**0005754559**	CLOSE	GAS CALL- BKR BT1-4	2	6/18/2006	03332	03332	0.0	6/18/2006
Long Description:										
FACILITY	GC	**0005735231**	CLOSE	GAS CALL- BKR BT1-4	2	6/11/2006	44597	44597	0.0	6/11/2006
Long Description:										
FACILITY	GC	**0005726623**	CLOSE	GAS CALL- BKR BT1-4	2	6/6/2006	44597	44597	0.0	6/6/2006
Long Description:										
FACILITY	GC	**0005633722**	CLOSE	GAS CALL- BKR BT1-4	2	5/13/2006	03332	03332	0.0	5/13/2006
Long Description:										
FACILITY	CMP	**0005597830**	CLOSE	0500-17 - FK 138 BKR BT1-4 AIR RECEIVER INSPECT.	2	5/1/2006	MAXADMIN	40371	1.5	5/21/2006
Long Description:	**5 receivers X 2 hrs.= 10 hours @ 1 person**									
FACILITY	GC	**0005539606**	CLOSE	GAS CALL- BKR BT1-4	2	4/21/2006	44597	44597	0.0	4/21/2006
Long Description:										
FACILITY	GC	**0005413378**	CLOSE	GAS CALL- BKR BT1-4	2	3/8/2006	51272	51272	0.0	3/8/2006
Long Description:										

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MAXIMO REPORT: EQUIPMENT HISTORY

Station: FRESH KILLS 138 **Equipment: BKR-0003078** **FK 138- BKR BT1-4 **RETIRED****

RESP AREA	WORK TYPE	WORK NUMBER	STATUS	DESCRIPTION	PRTY	REPORT DATE	REPORTED BY	SUPV	HRS	ACTUAL FINISH
FACILITY	CM	**0005400431**	CLOSE	FRESH KILLS - BKR. BT1-4 - TROUBLE SHOOT BKR. WON'T OPERATE	3	3/5/2006	40371	40371	28.0	2/27/2006
Long Description:										
FACILITY	CMP	**0005343066**	CLOSE	0500-28 BKR SUMMERIZATION INSP BT1-4	2	2/28/2006	MAXADMIN	40371	2.0	5/1/2006
Long Description:										
PROTSYS	SR	**0005308430**	CLOSE	FK BKR BT1-4 CONTROL TROUBLE	3	2/27/2006	70102		15.5	2/28/2006
Long Description:										
FACILITY	GC	**0005295721**	CLOSE	GAS CALL- BKR BT1-4	2	2/19/2006	44597	44597	0.0	2/19/2006
Long Description:										
FACILITY	GC	**0005268126**	CLOSE	GAS CALL- BKR BT1-4	2	2/8/2006	84933	84933	0.0	2/8/2006
Long Description:										
FACILITY	GC	**0005174701**	CLOSE	GAS CALL- BKR BT1-4	2	1/19/2006	03332	03332	0.0	1/19/2006
Long Description:										
FACILITY	GC	**0005060108**	CLOSE	GAS CALL- BKR BT1-4	2	12/13/2005	44597	44597	0.0	12/13/2005
Long Description:										
FACILITY	GC	**0005028468**	CLOSE	GAS CALL- BKR BT1-4	2	12/10/2005	44597	44597	0.0	12/10/2005
Long Description:										
FACILITY	GC	**0004940281**	CLOSE	GAS CALL- BKR BT1-4	2	11/19/2005	03332	03332	0.0	11/19/2005
Long Description:										
FACILITY	GC	**0000349351**	CLOSE	GAS CALL- BKR BT1-4	2	11/2/2005	44597	44597	0.0	11/2/2005
Long Description:										
FACILITY	CMP	**0000345843**	CLOSE	0500-17 - FK 138 BKR BT1-4 AIR RECEIVER INSPECT.	2	10/28/2005	PMWOGEN	40371	1.5	11/6/2005
Long Description:	**5 receivers X 2 hrs.= 10 hours @ 1 person**									
FACILITY	GC	**0000345372**	CLOSE	GAS CALL- BKR BT1-4	2	10/26/2005	44597	44597	0.0	10/26/2005
Long Description:										
FACILITY	GC	**0000343256**	CLOSE	GAS CALL- BKR BT1-4	2	10/9/2005	03332	03332	0.0	10/9/2005
Long Description:										

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MAXIMO REPORT: EQUIPMENT HISTORY

Station: FRESH KILLS 138 **Equipment: BKR-0003078** **FK 138- BKR BT1-4 **RETIRED****

RESP AREA	WORK TYPE	WORK NUMBER	STATUS	DESCRIPTION	PRTY	REPORT DATE	REPORTED BY	SUPV	HRS	ACTUAL FINISH
FACILITY Long Description:	GC	**0000342449**	CLOSE	GAS CALL- BKR BT1-4	2	9/30/2005	03332	03332	0.0	9/30/2005
FACILITY Long Description:	GC	**0000336746**	CLOSE	GAS CALL- BKR BT1-4	2	9/7/2005	03332	03332	0.0	9/7/2005
FACILITY Long Description:	GC	**0000334573**	CLOSE	GAS CALL- BKR BT1-4	2	8/27/2005	44597	44597	0.0	8/27/2005
FACILITY Long Description:	GC	**0000331843**	CLOSE	GAS CALL- BKR BT1-4	2	8/6/2005	03332	03332	0.0	8/6/2005
FACILITY Long Description:	GC	**0000328740**	CLOSE	GAS CALL- BKR BT1-4	2	7/27/2005	03332	03332	0.0	7/27/2005
FACILITY Long Description:	GC	**0000326454**	CLOSE	GAS CALL- BKR BT1-4	2	7/3/2005	03332	03332	0.0	7/3/2005
FACILITY Long Description:	GC	**0000323776**	CLOSE	GAS CALL- BKR BT1-4	2	6/19/2005	44597	44597	0.0	6/19/2005
FACILITY Long Description:	GC	**0000322954**	CLOSE	GAS CALL- BKR BT1-4	2	6/10/2005	03332	03332	0.0	6/10/2005
FACILITY Long Description:	GC	**0000319866**	CLOSE	GAS CALL- BKR BT1-4	2	5/30/2005	03332	03332	0.0	5/30/2005
FACILITY Long Description: **5 receivers X 2 hrs.= 10 hours @ 1 person**	CMP	**0000312961**	CLOSE	0500-17 - FK 138 BKR BT1-4 AIR RECEIVER INSPECT.	4	5/2/2005	19093	40371	2.0	5/29/2005
FACILITY Long Description:	GC	**0000304355**	CLOSE	GAS CALL- BKR BT1-4	2	3/9/2005	03332	03332	0.0	3/9/2005
FACILITY Long Description:	CMP	**0000299387**	CLOSE	0500-28 BKR SUMMERIZATION INSP BT1-4	4	2/25/2005	PMWOGEN	40371	1.5	5/15/2005
FACILITY Long Description:	GC	**0000296661**	CLOSE	GAS CALL- BKR BT1-4	2	2/2/2005	03332	03332	0.0	2/2/2005
FACILITY Long Description:	GC	**0000294060**	CLOSE	GAS CALL- BKR BT1-4	2	1/19/2005	03332	03332	0.0	1/19/2005

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MAXIMO REPORT: EQUIPMENT HISTORY

Station: FRESH KILLS 138 **Equipment: BKR-0003078** **FK 138- BKR BT1-4 **RETIRED****

RESP AREA	WORK TYPE	WORK NUMBER	STATUS	DESCRIPTION	PRTY	REPORT DATE	REPORTED BY	SUPV	HRS	ACTUAL FINISH
FACILITY Long Description:	GC	**0000292456**	CLOSE	GAS CALL- BKR BT1-4	2	1/9/2005	03332	03332	0.0	1/9/2005
FACILITY Long Description:	GC	**0000286754**	CLOSE	GAS CALL- BKR BT1-4	2	12/24/2004	44597	44597	0.0	12/24/2004
FACILITY Long Description:	GC	**0000285150**	CLOSE	GAS CALL- BKR BT1-4	2	12/13/2004	44597	44597	0.0	12/13/2004
FACILITY Long Description:	GC	**0000284570**	CLOSE	GAS CALL- BKR BT1-4	2	12/5/2004	49417	49417	0.0	12/5/2004
FACILITY Long Description:	GC	**0000281425**	CLOSE	GAS CALL- BKR BT1-4	2	11/18/2004	03332	03332	0.0	11/18/2004
FACILITY Long Description: **5 receivers X 2 hrs.= 10 hours @ 1 person**	CMP	**0000277869**	CLOSE	0500-17 - FK 138 BKR BT1-4 AIR RECEIVER INSPECT.	4	10/25/2004	PMWOGEN	40371	1.5	11/12/2004
FACILITY Long Description:	CMP	**0000277845**	CLOSE	0500-28 BKR WINTERIZATION INSP BT1-4	4	10/25/2004	PMWOGEN	40371	1.5	11/12/2004
FACILITY Long Description:	GC	**0000277357**	CLOSE	GAS CALL- BKR BT1-4	2	10/23/2004	44597	44597	0.0	10/23/2004
FACILITY Long Description:	GC	**0000275809**	CLOSE	GAS CALL- BKR BT1-4	2	10/4/2004	44597	44597	0.0	10/4/2004
FACILITY Long Description:	GC	**0000274042**	CLOSE	GAS CALL- BKR BT1-4	2	9/25/2004	03332	03332	0.0	9/25/2004
FACILITY Long Description:	GC	**0000270504**	CLOSE	GAS CALL- BKR BT1-4	2	8/27/2004	44597	44597	0.0	8/27/2004
FACILITY Long Description:	GC	**0000263945**	CLOSE	GAS CALL- BKR BT1-4	2	7/15/2004	44597	44597	0.0	7/15/2004
FACILITY Long Description:	GC	**0000260081**	CLOSE	GAS CALL- BKR BT1-4	2	6/19/2004	49417	49417	0.0	6/19/2004
FACILITY Long Description:	GC	**0000259020**	CLOSE	GAS CALL- BKR BT1-4	2	6/6/2004	03332	03332	0.0	6/6/2004

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MAXIMO REPORT: EQUIPMENT HISTORY

Station: FRESH KILLS 138 **Equipment: BKR-0003078** **FK 138- BKR BT1-4 **RETIRED****

RESP AREA	WORK TYPE	WORK NUMBER	STATUS	DESCRIPTION	PRTY	REPORT DATE	REPORTED BY	SUPV	HRS	ACTUAL FINISH
FACILITY	GC	**0000254907**	CLOSE	GAS CALL- BKR BT1-4	2	5/17/2004	03332	03332	0.0	5/17/2004
Long Description:										
FACILITY	CMP	**0000253034**	CLOSE	0500-02 DEW POINT TESTING -BKR BT 1-4	4	4/25/2004	PMWOGEN	40371	0.0	7/15/2004
Long Description:										
FACILITY	CMP	**0000252193**	CLOSE	0500-17 - FK 138 BKR BT1-4 AIR RECEIVER INSPECT.	4	4/25/2004	PMWOGEN	40371	2.0	6/6/2004
Long Description:	**5 receivers X 2 hrs.= 10 hours @ 1 person**									
FACILITY	CM	**0000251880**	CLOSE	FRESH KILLS - BKR. BT`1-4 - WON'T CLOSE	2	4/25/2004	40371	40371	40.0	4/26/2004
Long Description:	**Investigate why bkr. won't close - working with AK gen station**									
FACILITY	INFO	**0000251813**	CLOSE	REPAIR CAUSE BKR. BT1-4 WOULD NOT OPERATE FROM A.K.	5	4/23/2004	72593		0.0	4/23/2004

Long Description: **FRESH KILLS 138**

Equipment Name Voltage Outage
Type OOS Date Projected
Restoration Actual
Restoration Outage Work
Description Contact
FK 138- BKR BT1-4 138 kv OOE2 04/22/2004 09:04 SSO/PST - CHECK CAUSE OF BREAKER NOT TRIPPING FROM AK2
Outage Step Step Start Step End Work Description Work Location Comments
Repair 04/22/2004 12:58 SSM to Check & repair cause Bkr. BT1-4 would not operate from A.K. FRESH KILLS 138 ,A.K. SSM to Check & repair cause Bkr. BT1-4 would not operate from A.K.
Status Date Note
04/22/2004 12:58 W.P. issued to SSM to check and repair cause bkr.BT1-4 would not open from AK.
04/22/2004 22:09 SSM tabled W.P. on Bkr. BT1-4 found defective wire on trip circuit. No spare wires available. Follow up on4/23 @ 07:00 hrs.

FACILITY	GC	**0000251551**	CLOSE	GAS CALL- BKR BT1-4	2	4/18/2004	49417	49417	0.0	4/18/2004
Long Description:										
FACILITY	GC	**0000250222**	CLOSE	GAS CALL- BKR BT1-4	2	3/28/2004	03332	03332	0.0	3/28/2004
Long Description:										
FACILITY	CMP	**0000244058**	CLOSE	0500-28 BKR SUMMERIZATION INSP BT1-4	4	2/28/2004	PMWOGEN	40371	2.0	4/16/2004
Long Description:										
FACILITY	GC	**0000243014**	CLOSE	GAS CALL- BKR BT1-4	2	2/18/2004	44597	44597	0.0	2/18/2004
Long Description:										

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MAXIMO REPORT: EQUIPMENT HISTORY

Station: FRESH KILLS 138 **Equipment: BKR-0003078** **FK 138- BKR BT1-4 **RETIRED****

RESP AREA	WORK TYPE	WORK NUMBER	STATUS	DESCRIPTION	PRTY	REPORT DATE	REPORTED BY	SUPV	HRS	ACTUAL FINISH
FACILITY Long Description:	GC	**0000242228**	CLOSE	GAS CALL- BKR BT1-4	2	2/3/2004	49417	49417	0.0	2/3/2004
FACILITY Long Description:	GC	**0000242178**	CLOSE	GAS CALL- BKR BT1-4	2	2/2/2004	44597	44597	0.0	2/2/2004
FACILITY Long Description:	GC	**0000240226**	CLOSE	GAS CALL- BKR BT1-4	2	1/23/2004	44597	44597	0.0	1/23/2004
FACILITY Long Description:	GC	**0000239933**	CLOSE	GAS CALL- BKR BT1-4	2	1/19/2004	03332	03332	0.0	1/19/2004
FACILITY Long Description:	GC	**0000239380**	CLOSE	GAS CALL- BKR BT1-4	2	1/9/2004	03332	03332	0.0	1/9/2004
FACILITY Long Description:	GC	**0000236890**	CLOSE	GAS CALL- BKR BT1-4	2	12/18/2003	44597	49417	0.0	12/21/2003
FACILITY Long Description:	GC	**0000236016**	CLOSE	GAS CALL- BKR BT1-4	2	12/9/2003	49417	49417	0.0	12/9/2003
FACILITY Long Description:	GC	**0000234274**	CLOSE	GAS CALL- BKR BT1-4	2	11/30/2003	74840	74840	0.0	11/30/2003
FACILITY Long Description:	GC	**0000231558**	CLOSE	GAS CALL- BKR BT1-4	2	10/31/2003	44597	44597	0.0	10/31/2003
FACILITY Long Description: **5 receivers X 2 hrs.= 10 hours @ 1 person**	CMP	**0000230644**	CLOSE	0500-17 - FK 138 BKR BT1-4 AIR RECEIVER INSPECT.	4	10/30/2003	PMWOGEN	40371	2.0	3/14/2004
FACILITY Long Description:	GC	**0000227644**	CLOSE	GAS CALL- BKR BT1-4	2	10/13/2003	44597	44597	0.0	10/13/2003
FACILITY Long Description:	GC	**0000227452**	CLOSE	GAS CALL- BKR BT1-4	2	10/9/2003	74840	74840	0.0	10/9/2003
FACILITY Long Description:	GC	**0000220746**	CLOSE	GAS CALL- BKR BT1-4	2	8/26/2003	49417	49417	0.0	8/26/2003
FACILITY Long Description:	GC	**0000220137**	CLOSE	GAS CALL- BKR BT1-4	2	8/14/2003	74840	74840	0.0	8/14/2003

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MAXIMO REPORT: EQUIPMENT HISTORY

Station: FRESH KILLS 138 **Equipment: BKR-0003078** **FK 138- BKR BT1-4 **RETIRED****

RESP AREA	WORK TYPE	WORK NUMBER	STATUS	DESCRIPTION	PRTY	REPORT DATE	REPORTED BY	SUPV	HRS	ACTUAL FINISH
FACILITY Long Description:	GC	**0000216784**	CLOSE	GAS CALL- BKR BT1-4	2	7/20/2003	03332	03332	0.0	7/20/2003
FACILITY Long Description:	GC	**0000214775**	CLOSE	GAS CALL- BKR BT1-4	2	7/2/2003	49417	49417	0.0	7/2/2003
FACILITY Long Description:	GC	**0000213038**	CLOSE	GAS CALL- BKR BT1-4	2	6/19/2003	49417	49417	0.0	6/19/2003
FACILITY Long Description:	GC	**0000212451**	CLOSE	GAS CALL- BKR BT1-4	2	6/11/2003	44597	44597	0.0	6/11/2003
FACILITY Long Description:	GC	**0000209447**	CLOSE	GAS CALL- BKR BT1-4	2	5/24/2003	03332	03332	0.0	5/24/2003
FACILITY Long Description:	GC	**0000208138**	CLOSE	GAS CALL- BKR BT1-4	2	5/7/2003	03332	03332	0.0	5/15/2003
FACILITY Long Description:	GC	**0000208125**	CLOSE	GAS CALL- BKR BT1-4	2	5/7/2003	03332	03332	0.0	5/15/2003
FACILITY Long Description:	CMP	**0000206872**	CLOSE	0500-02 DEW POINT TESTING -BKR BT 1-4	2	5/1/2003	40371		0.0	5/30/2003
FACILITY Long Description: **5 receivers X 2 hrs.= 10 hours @ 1 person**	CMP	**0000206809**	CLOSE	0500-17 - FK 138 BKR BT1-4 AIR RECEIVER INSPECT.	2	5/1/2003	40371	40371	1.5	5/9/2003
FACILITY Long Description:	CMP	**0000206797**	CLOSE	0500-28 BKR SUMM/WINT INSP BT1-4	2	5/1/2003	40371	81886	2.0	5/23/2003
PROTSYS Long Description:	SR	**0000205441**	CLOSE	BKR- BT1-4 (DT) - PST TESTING	4	4/23/2003	40371		16.0	5/1/2003
FACILITY Long Description:	GC	**0000204391**	CLOSE	GAS CALL- BKR BT1-4	2	4/7/2003	16933	16933	0.0	4/7/2003
FACILITY Long Description:	GC	**0000198073**	CLOSE	GAS CALL- BKR BT1-4	2	2/26/2003	49417	49417	0.0	2/26/2003
FACILITY Long Description:	GC	**0000196726**	CLOSE	GAS CALL- BKR BT1-4	2	2/7/2003	49417	49417	0.0	2/10/2003

Redacted

MAXIMO REPORT: EQUIPMENT HISTORY

Station: FRESH KILLS 138 **Equipment: BKR-0003078** **FK 138- BKR BT1-4 **RETIRED****

RESP AREA	WORK TYPE	WORK NUMBER	STATUS	DESCRIPTION	PRTY	REPORT DATE	REPORTED BY	SUPV	HRS	ACTUAL FINISH
FACILITY	DT	**0000196458**	CLOSE	BKR- BT1-4 (DT)	2	2/5/2003	40371	20130	64.0	4/28/2003
Long Description:										
FACILITY	CM	**0000191341**	CLOSE	FK BKR BT 1-4 LO GAS ALARM UP & GAS COMPRESSOR CONTACTOR CHATTERING	4	1/2/2003	74840	20130	8.0	3/19/2003
Long Description:	**Found defective governor - replacement on order.**									
FACILITY	GC	**0000191096**	CLOSE	GAS CALL BKR BT1-4	2	12/30/2002	74840		0.0	12/30/2002
Long Description:										
FACILITY	GC	**0000190558**	CLOSE	GAS CALL BKR BT1-4	2	12/26/2002	49417		0.0	12/30/2002
Long Description:										
FACILITY	GC	**0000189965**	CLOSE	GAS CALL BKR BT1-4	2	12/17/2002	19093		0.0	12/18/2002
Long Description:										
FACILITY	GC	**0000189158**	CLOSE	GAS CALL BKR BT1-4	2	12/10/2002	19093		0.0	12/13/2002
Long Description:										
FACILITY	CM	**0000185522**	CLOSE	WILL NOT CLOSE VIA LOCAL CONTROL ONLY VIA INTERPOSING RELAY	4	11/9/2002	16170	81886	8.0	3/31/2003
Long Description:										
FACILITY	CMP	**0000184242**	CLOSE	0500-17 - FK 138 BKR BT1-4 AIR RECEIVER INSPECT.	2	11/1/2002	40371	83932	2.0	12/22/2002
Long Description:	**5 receivers X 2 hrs.= 10 hours @ 1 person**									
FACILITY	CMP	**0000184224**	CLOSE	0500-28 BKR SUMM/WINT INSP BT1-4	2	11/1/2002	40371	52581	2.0	11/8/2002
Long Description:										
FACILITY	GC	**0000180876**	CLOSE	GAS CALL BKR BT1-4	2	10/21/2002	19093		0.0	10/23/2002
Long Description:										
FACILITY	GC	**0000179946**	CLOSE	GAS CALL BKR BT1-4	2	10/9/2002	19093		0.0	10/11/2002
Long Description:										
FACILITY	GC	**0000175138**	CLOSE	GAS CALL BKR BT1-4	2	9/6/2002	19093		0.0	9/9/2002
Long Description:										
FACILITY	GC	**0000166694**	CLOSE	GAS CALL BKR BT1-4	2	6/28/2002	19093		0.0	7/16/2002
Long Description:										

Redacted

MAXIMO REPORT: EQUIPMENT HISTORY

Station: FRESH KILLS 138 **Equipment: BKR-0003078** **FK 138- BKR BT1-4 **RETIRED****

RESP AREA	WORK TYPE	WORK NUMBER	STATUS	DESCRIPTION	PRTY	REPORT DATE	REPORTED BY	SUPV	HRS	ACTUAL FINISH
FACILITY	GC	**0000164397**	CLOSE	GAS CALL BKR BT1-4	2	6/4/2002	19093		0.0	6/4/2002
Long Description:										
FACILITY	CM	**0000163704**	CLOSE	BKR BT 1-4 WOULD NOT OPEN	4	6/3/2002	16933	52581	28.0	6/14/2002
Long Description:	**Bkr. BT1-4 would not open from A.K. #2 or from the control room (I told the D.O. that we do not have control while A.K. is on-line but he still wanted us to try) we had to open the breaker from the interposing relay.** **Note: Also look at MAXIMO # 0000158609, A.K. also unable to close breaker and we usually have to use the interposing relay to close the breaker while they are on-line.**									
FACILITY	GC	**0000162635**	CLOSE	GAS CALL BKR BT1-4	2	5/27/2002	19093		0.0	5/28/2002
Long Description:										
FACILITY	CMP	**0000160379**	CLOSE	0500-28 BKR SUMM/WINT INSP BT1-4	2	5/1/2002	40371	52581	1.5	6/6/2002
Long Description:										
FACILITY	CMP	**0000160366**	CLOSE	0500-02 DEW POINT TESTING -BKR BT 1-4	2	5/1/2002	40371		0.0	6/12/2002
Long Description:										
FACILITY	GC	**0000154320**	CLOSE	GAS CALL BKR BT1-4	2	3/24/2002	19093		0.0	3/24/2002
Long Description:										
FACILITY	GC	**0000149099**	CLOSE	GAS CALL BKR BT1-4	2	2/14/2002	19093		0.0	2/14/2002
Long Description:										
FACILITY	GC	**0000148787**	CLOSE	GAS CALL BKR BT1-4	2	2/12/2002	19093		0.0	2/13/2002
Long Description:										
FACILITY	ALARM	**0000148786**	CLOSE	BT1-4 LOW GAS ALARM NOT WORKING	4	2/12/2002	49417	52581	4.0	6/23/2002
Long Description:	**PRESSURE WAS AT 30PSI AT 55 DEG. ALARM SHOULD OF COME UP AT 33 PSI.** **CALIBRATED LOW PRESSURE ALARM SWITCH.**									
FACILITY	GC	**0000146161**	CLOSE	GAS CALL BKR BT1-4	1	1/27/2002	19093		0.0	1/28/2002
Long Description:										
FACILITY	GC	**0000146160**	CLOSE	GAS CALL BKR BT1-4	1	1/27/2002	19093		0.0	1/28/2002
Long Description:										
FACILITY	GC	**0000140958**	CLOSE	GAS CALL BKR BT1-4	1	12/17/2001	19093		0.0	12/18/2001
Long Description:										

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MAXIMO REPORT: EQUIPMENT HISTORY

Station: FRESH KILLS 138 **Equipment: BKR-0003078** **FK 138- BKR BT1-4 **RETIRED****

RESP AREA	WORK TYPE	WORK NUMBER	STATUS	DESCRIPTION	PRTY	REPORT DATE	REPORTED BY	SUPV	HRS	ACTUAL FINISH
FACILITY	GC	**0000137804**	CLOSE	GAS CALL BKR BT1-4	1	11/19/2001	19093		0.0	11/20/2001
Long Description:										
FACILITY	CM	**0000137413**	CLOSE	BREAKER BT1-4 WILL ONLY "CLOSE" VIA INTERPOSING RELAY	9	11/14/2001	51272	52581	16.0	1/22/2002
Long Description:	**1-19-02 Control circuit was check and found to working from control room M.Mee and J.Milo**									
FACILITY	CMP	**0000135160**	CLOSE	0500-28 BKR SUMM/WINT INSP BT1-4	9	10/29/2001	40371	52581	1.5	11/2/2001
Long Description:	**10-30-01 JOB COMPLETED T.COOHILL**									
FACILITY	GC	**0000133557**	CLOSE	GAS CALL- BKR BT1-4	1	10/17/2001	16933		0.0	10/18/2001
Long Description:										
FACILITY	GC	**0000130240**	CLOSE	GAS CALL- BKR BT1-4	1	9/28/2001	03332		0.0	9/28/2001
Long Description:										
FACILITY	GC	**0000122090**	CLOSE	GAS CALL- BKR BT1-4	1	7/27/2001	03332		0.0	7/30/2001
Long Description:										
FACILITY	GC	**0000114547**	CLOSE	GAS CALL- BKR BT1-4	1	5/29/2001	14038		0.0	5/29/2001
Long Description:										
FACILITY	CMP	**0000112158**	CLOSE	0500-02 DEW POINT TESTING -BKR BT 1-4	1	5/1/2001	40371	16791	0.5	6/25/2001
Long Description:										
FACILITY	CMP	**0000112129**	CLOSE	0500-28 BKR SUMM/WINT INSP BT1-4	9	5/1/2001	40371	16791	1.5	6/25/2001
Long Description:										
FACILITY	GC	**0000111404**	CLOSE	GAS CALL- BKR BT1-4	1	4/30/2001	44597		0.0	4/30/2001
Long Description:										
FACILITY	GC	**0000106309**	CLOSE	GAS CALL- BKR BT1-4	1	3/31/2001	03332		0.0	4/2/2001
Long Description:										
FACILITY	GC	**0000099731**	CLOSE	GAS CALL- BKR BT1-4	1	2/28/2001	74840		0.0	3/1/2001
Long Description:										
FACILITY	CM	**0000099231**	CLOSE	FRESH KILLS S/S - BKR BT1-4 - NO INDICATION	9	2/26/2001	40371	16791	8.0	2/28/2001
Long Description:	**WORKING WITH NRG TROUBLESHOOTING NO INDICATING AT GEN STATION.**									

Redacted

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MAXIMO REPORT: EQUIPMENT HISTORY

Station: FRESH KILLS 138 **Equipment: BKR-0003078** **FK 138- BKR BT1-4 **RETIRED****

RESP AREA	WORK TYPE	WORK NUMBER	STATUS	DESCRIPTION	PRTY	REPORT DATE	REPORTED BY	SUPV	HRS	ACTUAL FINISH
FACILITY	CM	**0000098923**	CLOSE	FRESH KILLS S/S - BKR. BT1-4	9	2/22/2001	40371	16791	24.0	2/22/2001
Long Description:	**EXCESSIVE GAS LEAK - LEAK CHECKING TO PINPOINT PROBLEM FOR REPAIRING.**									
FACILITY	GC	**0000098488**	CLOSE	GAS CALL- BKR BT1-4	1	2/16/2001	74840		0.0	2/16/2001
Long Description:										
FACILITY	CMP	**0000096174**	CLOSE	0500-02 DEW POINT TESTING -BKR BT 1-4	1	1/31/2001	40371	16791	0.5	2/17/2001
Long Description:										
FACILITY	GC	**0000095166**	CLOSE	GAS CALL- BKR BT1-4	1	1/17/2001	03332		0.0	1/19/2001
Long Description:										
FACILITY	CM	**0000094882**	CLOSE	FRESH KILLS S/S - BKR. BT1-4 - NRG EQUIPMENT	9	1/12/2001	40371	49657	16.0	2/17/2001
Long Description:	**working with nrg technicians troubleshooting close indication at power plant and fresh kills s/s:**									
FACILITY	GC	**0000089596**	CLOSE	FK 138-GAS CALL GCB/SFV40 BT1-4	1	12/21/2000	40371		0.0	12/22/2000
Long Description:										
FACILITY	GC	**0000089548**	CLOSE	GAS CALL BKR BT1-4	2	12/20/2000	19093		0.0	2/10/2003
Long Description:										
FACILITY	GC	**0000087954**	CLOSE	FK 138-GAS CALL GCB/SFV40 BT1-4	1	12/13/2000	49417		0.0	12/14/2000
Long Description:										
FACILITY	GC	**0000085195**	CLOSE	FK 138-GAS CALL GCB/SFV40 BT1-4	1	11/20/2000	03332		0.0	11/21/2000
Long Description:										
FACILITY	CMP	**0000078364**	CLOSE	0500-28 BKR SUMM/WINT INSP BT1-4	9	10/31/2000	40371	49657	1.5	12/21/2000
Long Description:										
FACILITY	CMP	**0000078351**	CLOSE	0500-02 DEW POINT TESTING -BKR BT 1-4	1	10/31/2000	40371	49657	2.0	12/18/2000
Long Description:										
FACILITY	GC	**0000078112**	CLOSE	FK 138-GAS CALL GCB/SFV40 BT1-4	1	10/27/2000	18784		0.0	10/27/2000
Long Description:										
FACILITY	GC	**0000076929**	CLOSE	FK 138-GAS CALL GCB/SFV40 BT1-4	1	10/12/2000	49417		0.0	10/12/2000
Long Description:										
FACILITY	CMP	**0000074600**	CLOSE	0500-17 ANNUAL COMPRESSOR BKR BT1-4	9	9/28/2000	40371	16791	8.0	1/29/2001
Long Description:										

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MAXIMO REPORT: EQUIPMENT HISTORY

Station: FRESH KILLS 138 **Equipment: BKR-0003078** **FK 138- BKR BT1-4 **RETIRED****

RESP AREA	WORK TYPE	WORK NUMBER	STATUS	DESCRIPTION	PRTY	REPORT DATE	REPORTED BY	SUPV	HRS	ACTUAL FINISH
FACILITY	GC	**0000071702**	CLOSE	FK 138-GAS CALL GCB/SFV40 BT1-4	1	9/4/2000	03332		0.0	9/5/2000
Long Description:										
FACILITY	CMP	**0000068334**	CLOSE	0500-02 DEW POINT TESTING -BKR BT 1-4	1	7/27/2000	40371	49657	2.0	8/7/2000
Long Description: **WORKING WITH CHEM LAB DOING TESTING**										
FACILITY	GC	**0000067244**	CLOSE	FK 138-GAS CALL GCB/SFV40 BT1-4	1	7/13/2000	03332		0.0	7/18/2000
Long Description:										
FACILITY	GC	**0000064097**	CLOSE	FK 138-GAS CALL GCB/SFV40 BT1-4	1	6/13/2000	49417		0.0	6/21/2000
Long Description:										
FACILITY	CMP	**0000059548**	CLOSE	0500-02-SF6 DEWPOINTS BT 1-4 BKR	1	5/1/2000	40371		0.0	5/31/2000
Long Description: **astoria chem lab taking dewpoint - as per supervisor P. Vieira.**										
FACILITY	GC	**0000057746**	CLOSE	FK 138-GAS CALL GCB/SFV40 BT1-4	1	4/19/2000	49417		0.0	4/24/2000
Long Description:										
FACILITY	GC	**0000053646**	CLOSE	FK 138-GAS CALL GCB/SFV40 BT1-4	1	3/10/2000	03332		0.0	3/16/2000
Long Description:										
FACILITY	CMP	**0000051429**	CLOSE	0500-02-SF6 DEWPOINTS BT 1-4 BKR	1	2/28/2000	40371	49657	1.0	4/6/2000
Long Description:										
PROTSYS	SR	**0000049042**	CLOSE	FRESH KILLS BKR. BT 1-4 WIRE CHECK IND.	9	2/2/2000	40010		20.0	2/15/2000
Long Description:										
FACILITY	CM	**0000046498**	CLOSE	FRESH KILLS S/S - BKR. BT1-4 INDICATION	9	1/6/2000	40371	49657	24.0	2/4/2000
Long Description: **LOW GAS ALARM UP AND LOSS OF INDICATION - WIRING PROBLEMS**										
FACILITY	GC	**0000044958**	CLOSE	FK 138-GAS CALL GCB/SFV40 BT1-4	1	12/26/1999	49417		0.0	1/6/2000
Long Description:										
FACILITY	CM	**0000044597**	CLOSE	FRESH KILLS S/S - BKR. BT1-4	9	12/16/1999	40371	49657	15.5	10/6/2000
Long Description: **bkr. would't close - had to jump out permissive closing circuit in order to close bkr. PST has to investigate.**										
FACILITY	GC	**0000044477**	CLOSE	FK 138-GAS CALL GCB/SFV40 BT1-4	1	12/13/1999	49417		0.0	12/15/1999
Long Description:										
FACILITY	CMP	**0000043882**	CLOSE	0500-28 WINTERIZATION BKR - BT1-4	9	12/7/1999	40371	49657	1.5	12/9/1999
Long Description:										

Redacted

MAXIMO REPORT: EQUIPMENT HISTORY

Station: FRESH KILLS 138 **Equipment: BKR-0003078** **FK 138- BKR BT1-4 **RETIRED****

RESP AREA	WORK TYPE	WORK NUMBER	STATUS	DESCRIPTION	PRTY	REPORT DATE	REPORTED BY	SUPV	HRS	ACTUAL FINISH
FACILITY	CMP	**0000042920**	CLOSE	0500-02-SF6 DEWPOINTS BT 1-4 BKR	1	12/1/1999	40371	49657	1.0	11/30/1999
Long Description:										
FACILITY	GC	**0000042685**	CLOSE	FK 138-GAS CALL GCB/SFV40 BT1-4	1	11/29/1999	03332		0.0	11/29/1999
Long Description:										
FACILITY	CM	**0000041877**	CLOSE	FRESH KILLS S/S - BKR BT1-4 CONTROLS	9	11/18/1999	40371	49657	8.0	11/17/1999
Long Description:	**NRG - TRACING GROUND FOR A.K. #2 - BKR BT1-4 CONTROL**									
FACILITY	CM	**0000041661**	CLOSE	FRESH KILLS S/S - BKR BT1-4	9	11/18/1999	40371	49657	4.0	11/17/1999
Long Description:	**BKR CONTROL COMPARTMENT - INVESTIGATED SMELL OF SMOKE AND OIL SIGNS - FOUND LOOSE BOLT ON CRANK CASE BLOW OFF TIGHTEN SAME AND CLEANED OUT CONTROL CABINET.**									
FACILITY	GC	**0000036836**	CLOSE	FK 138-GAS CALL GCB/SFV40 BT1-4	1	10/12/1999	49417		0.0	10/12/1999
Long Description:										
FACILITY	GC	**0000031567**	CLOSE	FK 138-GAS CALL GCB/SFV40 BT1-4	1	8/29/1999	49417		0.0	9/3/1999
Long Description:										
FACILITY	GC	**0000028572**	CLOSE	FK 138-GAS CALL GCB/SFV40 BT1-4	1	8/1/1999	49417		0.0	8/2/1999
Long Description:										
FACILITY	CMP	**0000024379**	CLOSE	500-02-SF6 DEWPOINTS BT 1-4 BKR	1	6/24/1999	40371	71685	1.0	6/23/1999
Long Description:										
FACILITY	GC	**0000019125**	CLOSE	FK 138-GAS CALL GCB/SFV40 BT1-4	1	5/19/1999	05602		21.3	6/27/1999
Long Description:										
FACILITY	CMP	**0000013072**	CLOSE	500-02-SF6 DEWPOINTS BT 1-4 BKR	1	3/4/1999	05602	71685	1.0	3/3/1999
Long Description:										
FACILITY	CMP	**0000012196**	CLOSE	500-02-SF6 DEWPOINTS BT 1-4 BKR	1	2/19/1999	05602	49657	4.0	2/19/1999
Long Description:										
FACILITY	CM	**0000003903**	CLOSE	Bkr BT 1-4 / FK / Grd level leak checks	9	11/6/1998	05602	71685	0.0	12/29/1998
Long Description:										

230 total work order(s) having 3354.75 hours.

Redacted

MAXIMO REPORT: EQUIPMENT HISTORY

Station: GOWANUS **Equipment: BKR-0005277** **GOW-CIRCUIT BREAKER-14 **RETIRED****

RESP AREA	WORK TYPE	WORK NUMBER	STATUS	DESCRIPTION	PRTY	REPORT DATE	REPORTED BY	SUPV	HRS	ACTUAL FINISH
FACILITY Long Description:	CAP	**0007302812**	CLOSE	GOWANUS S/S BREAKER# 14 REPLACEMENT (REMOVE)	5	9/28/2007	12977		44.5	9/30/2007
FACILITY Long Description:	CAP	**0007299891**	CLOSE	GOWANUS S/S BREAKER# 14 REPLACEMENT (INSTALL)	5	9/26/2007	12977		139.5	10/29/2007
FACILITY Long Description:	CAP	**0007213269**	CLOSE	GOWANUS S/S BREAKER# 14 REPLACEMENT (OPERATORS)	5	8/20/2007	12977		827.5	11/4/2007
PROTSYS Long Description:	CAP	**0007202340**	CLOSE	GOW BKR 14 DESIGN MODIFICATION	5	8/13/2007	05804		76.0	11/1/2007
PROTSYS Long Description:	CAP	**0007202317**	CLOSE	GOW BKR 14 INSTALLATION	5	8/13/2007	05804		988.0	10/29/2007
PROTSYS Long Description:	CAP	**0007202293**	CLOSE	GOW BKR 14 REMOVAL	5	8/13/2007	05804		943.0	10/15/2007
FACILITY Long Description:	CM	**0007187569**	CLOSE	BREAKER 14 LOW GAS AND AIR ALARM	5	8/1/2007	12977		16.0	9/13/2007
PROTSYS Long Description:	SR	**0007173222**	CLOSE	BKR 14 LOW AIR/GAS ALARM-SSO/M UNABLE TO CLEAR	5	8/1/2007	88082		16.0	8/1/2007
FACILITY Long Description:	CMP	**0006651370**	CLOSE	0500-28 SUMMERIZATION INSP BKR 14	2	3/1/2007	MAXADMIN	04094	5.5	5/9/2007
FACILITY Long Description:	GC	**0006446102**	CLOSE	GAS CALL- BKR 14	4	1/3/2007	18979	18979	0.0	1/3/2007
FACILITY Long Description:	CMP	**0006092668**	CLOSE	0500-28 BKR WINTERIZATION INSP 14	2	9/30/2006	MAXADMIN	10479	0.0	12/3/2006

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MAXIMO REPORT: EQUIPMENT HISTORY

Station: GOWANUS **Equipment: BKR-0005277** **GOW-CIRCUIT BREAKER-14 **RETIRED****

RESP AREA	WORK TYPE	WORK NUMBER	STATUS	DESCRIPTION	PRTY	REPORT DATE	REPORTED BY	SUPV	HRS	ACTUAL FINISH
FACILITY	CM	**0005859356**	CLOSE	BKR 14 AIR & GAS LOW PRESSURE - ALARM (UNKNOWN)	5	7/23/2006	18979		19.0	8/11/2006
Long Description:	**ALL PRESSURES APPEAR NORMAL** **L.P.T. - 86 F** **L.P. - 50 PSI** **H.P.T. - 95 F** **H.P. - 250 PSI** **AIR - 270 PSI** **NOTE: ALL FUSES CHECKED O.K.**									
FACILITY Long Description:	CMP	**0005672441**	CLOSE	0500-02 DEW POINT TESTING -BKR 14	2	5/31/2006	MAXADMIN	12977	0.0	9/28/2006
FACILITY Long Description:	CMP	**0005339499**	CLOSE	0500-28 BKR SUMMERIZATION INSP 14	2	2/28/2006	MAXADMIN	85803	8.0	5/1/2006
FACILITY Long Description:	GC	**0005177531**	CLOSE	GAS CALL- BKR 14	2	1/21/2006	18979	18979	0.0	1/21/2006
FACILITY Long Description:	CMP	**0000344866**	CLOSE	0500-17 ANNUAL COMPRESSOR BKR 14	2	10/25/2005	PMWOGEN	12977	6.0	3/21/2006
FACILITY Long Description:	CMP	**0000320489**	CLOSE	0500-02 DEW POINT TESTING -BKR 14	4	5/31/2005	03710	16051	8.0	8/25/2005
FACILITY Long Description:	CM	**0000315499**	CLOSE	GROUND ON LOAD BOARD # 2 COMING FROM BRK.# 14	4	5/16/2005	12977	19361	39.5	5/18/2005
FACILITY Long Description:	CMP	**0000299290**	CLOSE	0500-28 BKR SUMMERIZATION INSP 14	4	2/25/2005	PMWOGEN	18081	4.0	4/15/2005
FACILITY Long Description:	CM	**0000296748**	CLOSE	BREAKER 14 TROUBLESHOOT ALARM	4	2/3/2005	12977	19361	39.0	2/7/2005
FACILITY Long Description:	JUMP	**0000296409**	CLOSE	BKR 14 ADJUST THERMOSTAT TEMPS	5	1/31/2005	12977	10479	8.0	2/21/2005
	BKR 14 INSTALL/REMOVE JUMPER									
FACILITY Long Description:	CM	**0000296206**	CLOSE	BKR 14 INSTALL/REMOVE JUMPER	5	1/28/2005	10479	10479	6.0	2/9/2005

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MAXIMO REPORT: EQUIPMENT HISTORY

Station: GOWANUS **Equipment: BKR-0005277** **GOW-CIRCUIT BREAKER-14 **RETIRED****

RESP AREA	WORK TYPE	WORK NUMBER	STATUS	DESCRIPTION	PRTY	REPORT DATE	REPORTED BY	SUPV	HRS	ACTUAL FINISH
FACILITY	CM	**0000284857**	CLOSE	BKR #14 AIR/GAS ALARM	5	12/9/2004	18903	19361	38.0	2/23/2005
Long Description:	**LOST PRIMARY AND BACK UP HEATING SYSTEM TO SF6 HIGH PRESSURE GAS SYSTEM**									
FACILITY	CM	**0000281053**	CLOSE	BRK 14 - AIR/GAS ALARM UNKNOWN (HP HEATER PROBLEM)	2	11/12/2004	19361	19361	30.0	2/3/2005
Long Description:										
FACILITY	CMP	**0000277736**	CLOSE	0500-28 BKR WINTERIZATION INSP 14	4	10/25/2004	PMWOGEN	18081	4.0	12/17/2004
Long Description:										
FACILITY	CMP	**0000277727**	CLOSE	0500-17 ANNUAL COMPRESSOR BKR 14	4	10/25/2004	PMWOGEN	16051	2.0	11/9/2005
Long Description:										
FACILITY	INFO	**0000272122**	CLOSE	BKR 14 & CS1-3 O/A	5	9/20/2004	72593		0.0	9/20/2004

Long Description: **GOWANUS**

Event Type Description Start Date End Date Contact
MISC. BKR 14 & CS1-3 O/A 09/17/2004 10:25 09/17/2004 14:25 Shift Mgr
Status Date Note
09/17/2004 10:25 Bkr 14 & CS1-3 open auto @ Gowanus S/S. Operator in station.
09/17/2004 10:26 Bkr 14 cut in via SOCCS. Bkr 14 cut in via SOCCS.
09/17/2004 11:09 Greenwood operator reports relay reset SC 50N-1/F32, Gowanus S/S operator reports relays reset 85-1/F42423, 85-2/F42423, & 86-12A/42423. No visible damage reported at Greenwood & Gowanus S/S.
09/17/2004 14:29 Gowanus GT reports evidence of possible C phase flash on 138kv standoff insulator on TR3 (fdr 42423). Protection engineering analyzing relays. Gowanus GT site to inspect insulator.

FACILITY	INFO	**0000271996**	CLOSE	CIRCUIT BREAKER-14 345 KV OA	5	9/17/2004	72593		0.0	9/17/2004

Long Description: **GOWANUS**

Equipment Name Voltage Outage
Type OOS Date Projected
Restoration Actual
Restoration Outage Work
Description Contact
GOW-CIRCUIT BREAKER-14 345 kv OA 09/17/2004 10:26 09/17/2004 10:27 Breaker O/A
Outage Step Step Start Step End Work Description Work Location Comments
No Steps Defined for Date Range Specified.
Status Date Note
No Notes Defined for Date Range Specified.

Redacted

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MAXIMO REPORT: EQUIPMENT HISTORY

Station: GOWANUS **Equipment: BKR-0005277** **GOW-CIRCUIT BREAKER-14 **RETIRED****

RESP AREA	WORK TYPE	WORK NUMBER	STATUS	DESCRIPTION	PRTY	REPORT DATE	REPORTED BY	SUPV	HRS	ACTUAL FINISH
PROTSYS	INFO	**0000265875**	CLOSE	DEFECTIVE DIODE FOUND AND REMOVED FROM AUX SUDDEN PRESSURE RELAY	5	7/26/2004	72593		0.0	7/26/2004

Long Description: **GOWANUS/GREENWOOD-138**

Equipment Name Voltage Outage
Type OOS Date Projected
Restoration Actual
Restoration Outage Work
Description Contact
GOW-42232 138 kv OA 07/22/2004 17:38 07/23/2004 04:05 07/23/2004 04:05 UNDER INVESTIGATION
Outage Step Step Start Step End Work Description Work Location Comments
No Steps Defined for Date Range Specified.
Status Date Note
07/22/2004 17:38 Gowanus bkr.14, Greenwood bkrs 2N,4N opened auto. Fdrs 42232 , 42G13 out. Relay targets at Greenwood: MC86TT-1/F32-G13 ELOR SC50N-1/F32-G13 fault det overcurrent FCB 85X-1/F32-G13 42232/42G13 2nd line BS 2N LCB direct transfer trip light lit MC86-2/F32-G13 Relay targets at Gowanus: T-14 fdr 26/42T 2nd line 86-2/T14 SR/ LOR 42232/42G13 1st line F/O interface DTT relay 85X-1/F32-G13 85-2/F32-G13-LCB DTT MC86-2 PAR-R14 HEA Aux sudden pressure
07/22/2004 17:45 Field supervisor dispatched to Gowanus. Chem Lab notified to take gas in oil samples.
07/22/2004 17:55 Alpha page notification sent
07/22/2004 18:30 Greenwood operator reports no visible damage. Unable to reset LORs.
07/22/2004 19:00 PST G.M., Control Center Mgr. and Field Supv. in station.
07/22/2004 19:10 Gowanus operator reports no visible damage. Auxillary sudden pressure relay unable to reset at first , disabled by supervisor and then reset. Defective diode found and removed from aux sudden pressure relay (replacement diode not available)
07/22/2004 19:44 All relay targets reset at Greenwood.
07/22/2004 19:55 Bkr 14 checked open and blocked.
07/22/2004 20:21 Fdr 42232 isolated.
07/22/2004 20:26 Greenwood Bkrs 2N and 4N cut in. 42G13 restored.
07/22/2004 22:12 WP issued to PST to check and repair aux sudden pressure relay.
07/22/2004 23:59 WP returned complete. Aux sudden pressure relay restored to service without diode - ok as per Eng.
07/23/2004 02:45 Gas in oil results approved by Engineering.
07/23/2004 03:18 Greenwood Bkrs 2N, 4N cut out
07/23/2004 03:25 Gowanus bkr 14 PFS
07/23/2004 03:54 Disc sw HF10 closed. Bkrs 2N,4N PFS
07/23/2004 03:59 Bkr 14 cut in
07/23/2004 04:04 Bkrs 2N and 4N closed. 42232/PAR14 restored to service.

FACILITY	CMP	**0000255820**	CLOSE	0500-02 DEW POINT TESTING -BKR 14	4	5/25/2004	PMWOGEN	12977	0.0	8/18/2004
Long Description:										
FACILITY	CMP	**0000243964**	CLOSE	0500-28 BKR SUMMERIZATION INSP 14	4	2/28/2004	PMWOGEN	04094	2.0	5/21/2004
Long Description:										

Redacted

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MAXIMO REPORT: EQUIPMENT HISTORY

Station: GOWANUS **Equipment: BKR-0005277** **GOW-CIRCUIT BREAKER-14 **RETIRED****

RESP AREA	WORK TYPE	WORK NUMBER	STATUS	DESCRIPTION	PRTY	REPORT DATE	REPORTED BY	SUPV	HRS	ACTUAL FINISH
FACILITY	CMP	**0000211536**	CLOSE	0500-02 DEW POINT TESTING -BKR 14	2	6/4/2003	12977	16791	6.0	9/4/2003
Long Description:	**Date had to be changed because Chem Lab has a different compliation date then the Maximo compleations date,they were unavailiable due to the blackout inspections.They said they will get to them by the beginning of Sept.**									
FACILITY	CMP	**0000207165**	CLOSE	0500-28 BKR SUMM/WINT INSP 14	2	5/1/2003	14091	12977	0.0	5/9/2003
Long Description:										
FACILITY	CM	**0000194244**	CLOSE	BKR # 14 FEED VALVE TO SF6 GAS DEFECTIVE	4	1/23/2003	86153	14868	16.0	1/30/2003
Long Description:										
FACILITY	GC	**0000190531**	CLOSE	GOW-GAS CALL GCB/ITE MODA CB14	2	12/24/2002	18979		0.0	12/30/2002
Long Description:										
FACILITY	CMP	**0000184656**	CLOSE	0500-28 BKR SUMM/WINT INSP 14	2	11/4/2002	14091		0.0	5/15/2003
Long Description:										
FACILITY	CM	**0000165409**	CLOSE	GOWANUS: BREAKER 14 CLOSING VALVE LEAKING AIR	0	6/17/2002	52177		49.5	8/19/2002
Long Description:										
PROTSYS	SR	**0000165347**	CLOSE	BKR #14 DOESN'T CLOSE	3	6/17/2002	48335		12.0	7/3/2002

Long Description:

STATION: GOWANUS
EQUIPMENT TYPE REASON OOS DATE PICTURE
BKR 14 345 KV SCH 6/15/02
DISCREPANCY
BKR ON SCHEDULE WILL NOT CLOSE.
STATUS AS OF 6/16/02

3/11 Bkr -14 schedule out of service for hot spot repairs on disc f-18
On restoration Bkr -14 will not close. SSM called in to check & repair.
06/16/02

11/7 SSM & Field Supvisor working on the problem. Repaired defective closing coil.
Bkr still unable to close via SOCCS, locally or via the interposing relay. PST assistance needed.

7/3 SSM & PST on site to check & repair Bkr-14
Wp issued to check & repair bkr -14
Found open closing circuit (SSM repaired) & defective Aux. Relay for Disc. 14-16.
PST placed temporary jumper (05791).

17:13 Bkr-14 restored to service.

Redacted

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MAXIMO REPORT: EQUIPMENT HISTORY

Station: GOWANUS **Equipment: BKR-0005277** **GOW-CIRCUIT BREAKER-14 **RETIRED****

RESP AREA	WORK TYPE	WORK NUMBER	STATUS	DESCRIPTION	PRTY	REPORT DATE	REPORTED BY	SUPV	HRS	ACTUAL FINISH
FACILITY	CM	**0000165323**	CLOSE	BKR 14 WILL NOT CLOSE	0	6/15/2002	36341	14868	35.5	8/19/2002

Long Description: **STATION: GOWANUS**
EQUIPMENT TYPE REASON OOS DATE PICTURE
BKR 14 345 KV SCH 6/15/02
DISCREPANCY
BKR ON SCHEDULE WILL NOT CLOSE.
STATUS AS OF 6/16/02
3/11 Bkr -14 schedule out of service for hot spot repairs on disc f-18
On restoration Bkr -14 will not close. SSM called in to check & repair.
06/16/02
11/7 SSM & Field Supvisor working on the problem. Repaired defective closing coil.
Bkr still unable to close via SOCCS, locally or via the interposing relay. PST
assistance needed.
7/3 SSM & PST on site to check & repair Bkr-14
Wp issued to check & repair bkr -14
Found open closing circuit (SSM repaired) & defective Aux. Relay for Disc. 14-16.
PST placed temporary jumper (05791).
17:13 Bkr-14 restored to service.

FACILITY	CMP	**0000162950**	CLOSE	0500-02 DEW POINT TESTING -BKR 14	2	5/30/2002	14091		1.0	6/13/2002

Long Description:

FACILITY	CMP	**0000159808**	CLOSE	0500-28 BKR SUMM/WINT INSP 14	2	4/30/2002	14091		4.0	11/14/2002

Long Description:

FACILITY	JUMP	**0000154472**	CLOSE	TEMPORARY JUMPER TAG 5849	5	3/25/2002	12977		0.0	7/31/2006

Long Description:

FACILITY	FS	**0000153285**	CLOSE	REMOVE AND REPLACE LINKS FOR BREAKER #14 DIAGNOSTIC TEST	4	3/15/2002	03663	16791	67.0	3/25/2002

Long Description: **EI 1000 DIAGONSTIC TEST FOR 345 KV BREAKER- SF6 GAS TEST- MOISTURE LEVEL; SF6 GAS TEST HYDROGEN FLUORIDE LEVEL;MICRO-OHM TEST;POWER FACTOR TEST; CAPACITANCE TEST; TIMING & VELOCITY TESTS**

FACILITY	FS	**0000152793**	CLOSE	BREAKER #14 DIAGNOSTIC TEST (TRAINING)	4	3/11/2002	03663	16791	40.0	3/25/2002

Long Description: **EI 1000 DIAGNOSTIC TEST FOR 345 KV BREAKER- SF6 GAS TEST- MOISTURE LEVEL; SF6 GAS TEST HYDROGEN FLUORIDE LEVEL;MICRO-OHM TEST;POWER FACTOR TEST; CAPACITANCE TEST; TIMING & VELOCITY TESTS**

FACILITY	GC	**0000142232**	CLOSE	GOW-GAS CALL GCB/ITE MODA CB14	1	12/30/2001	19093		0.0	1/7/2002

Long Description:

Redacted

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MAXIMO REPORT: EQUIPMENT HISTORY

Station: GOWANUS **Equipment: BKR-0005277** **GOW-CIRCUIT BREAKER-14 **RETIRED****

RESP AREA	WORK TYPE	WORK NUMBER	STATUS	DESCRIPTION	PRTY	REPORT DATE	REPORTED BY	SUPV	HRS	ACTUAL FINISH
FACILITY	DT	**0000141787**	CLOSE	BREAKER #14 DIAGNOSTIC TEST	4	12/21/2001	03663	16791	120.0	3/25/2002
Long Description:	**EI 1000 DIAGONSTIC TEST FOR 345 KV BREAKER- SF6 GAS TEST- MOISTURE LEVEL; SF6 GAS TEST HYDROGEN FLUORIDE LEVEL;MICRO-OHM TEST;POWER FACTOR TEST; CAPACITANCE TEST; TIMING & VELOCITY TESTS**									
FACILITY	CMP	**0000130040**	CLOSE	0500-28 BKR SUMM/WINT INSP 14	9	9/28/2001	14091		1.0	10/24/2001
Long Description:										
FACILITY	CMP	**0000115588**	CLOSE	0500-02 DEW POINT TESTING -BKR 14	9	6/1/2001	14091		0.0	7/10/2001
Long Description:										
FACILITY	CMP	**0000112368**	CLOSE	0500-28 BKR SUMM/WINT INSP 14	9	5/1/2001	14091		4.0	7/6/2001
Long Description:										
FACILITY	GC	**0000097368**	CLOSE	GAS CALL- BKR 14	1	2/3/2001	18979		0.0	2/26/2001
Long Description:										
FACILITY	GC	**0000093723**	CLOSE	GAS CALL- BKR 14	1	1/8/2001	56636		0.0	2/2/2001
Long Description:										
FACILITY	GC	**0000089458**	CLOSE	GOW-GAS CALL GCB/ITE MODA CB14	2	12/20/2000	19093		0.0	2/10/2003
Long Description:										
FACILITY	FM	**0000077953**	CLOSE	BRK 14 AIR COMPRESSOR WAS NOT RUNNING	9	10/26/2000	12977		12.0	10/27/2000
Long Description:										
FACILITY	CM	**0000076825**	CLOSE	BREAKER 14, HIGH SIDE GAS SYSTEM, LOW GAS PRESSURE.	9	10/11/2000	58652		8.0	10/11/2000
Long Description:										
FACILITY	GC	**0000076696**	CLOSE	GOW-GAS CALL GCB/ITE MODA CB14	1	10/10/2000	58652		0.0	10/16/2000
Long Description:										
FACILITY	GC	**0000074397**	CLOSE	GOW-GAS CALL GCB/ITE MODA CB14	1	9/26/2000	52177		0.0	10/16/2000
Long Description:										
FACILITY	CMP	**0000062191**	CLOSE	0500-02 DEW POINT TESTING -BKR 14	9	5/30/2000	14091		0.0	7/26/2000
Long Description:										
FACILITY	CMP	**0000054656**	CLOSE	0500-28 BKR SUMM/WINT INSP 14	9	3/23/2000	14091		0.0	7/26/2000
Long Description:										

Redacted

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MAXIMO REPORT: EQUIPMENT HISTORY

Station: GOWANUS **Equipment: BKR-0005277** **GOW-CIRCUIT BREAKER-14 **RETIRED****

RESP AREA	WORK TYPE	WORK NUMBER	STATUS	DESCRIPTION	PRTY	REPORT DATE	REPORTED BY	SUPV	HRS	ACTUAL FINISH
FACILITY Long Description:	CMP	**0000051878**	CLOSE	0500-02 CIRCUIT BREAKER-14 DEW POINT TESTING	9	2/29/2000	14091		0.0	3/23/2000
FACILITY Long Description:	GC	**0000047832**	CLOSE	GOW-GAS CALL GCB/ITE MODA CB14	1	1/24/2000	37876		0.0	1/24/2000
FACILITY Long Description:	GC	**0000044449**	CLOSE	GOW-GAS CALL GCB/ITE MODA CB14	1	12/13/1999	37876		0.0	12/13/1999
FACILITY Long Description:	CMP	**0000043261**	CLOSE	CIRCUIT BREAKER-14 DEW POINT TESTING (500-02)	9	12/2/1999	14091		0.0	7/26/2000
FACILITY Long Description:	CMP	**0000037124**	CLOSE	CIRCUIT BREAKER-CB14 WINTERIZATION (500-28)	9	10/12/1999	14091		0.0	10/20/1999
FACILITY Long Description:	GC	**0000036071**	CLOSE	GOW-GAS CALL GCB/ITE MODA CB14	1	10/5/1999	14091		0.0	7/26/2000
FACILITY Long Description:	CMP	**0000033351**	CLOSE	CIRCUIT BREAKER-14 DEW POINT TESTING (500-02)	9	9/10/1999	14091		0.0	7/26/2000
FACILITY Long Description:	CMP	**0000022450**	CLOSE	CIRCUIT BREAKER-14 DEW POINT TESTING (500-02)	9	6/7/1999	14091		0.0	11/12/1999
FACILITY Long Description:	GC	**0000017977**	CLOSE	GOW-GAS CALL GCB/ITE MODA CB14	1	5/5/1999	14091		0.0	10/5/1999
FACILITY Long Description:	CMP	**0000017630**	CLOSE	CIRCUIT BREAKER-14 DEW POINT TESTING (500-02)	9	5/3/1999	14091		0.0	11/12/1999
FACILITY Long Description:	CM	**0000011871**	CLOSE	GAS COMPRESSOR TRIPS VIA THERMAL OVERLOAD.	9	2/16/1999	37876	03663	16.0	2/19/1999

69 total work order(s) having 3661.5 hours.

Redacted

MAXIMO REPORT: EQUIPMENT HISTORY

Station: LADENTOWN **Equipment: BKR-0030920** **LAD BKR 4-56-2**

RESP AREA	WORK TYPE	WORK NUMBER	STATUS	DESCRIPTION	PRTY	REPORT DATE	REPORTED BY	SUPV	HRS	ACTUAL FINISH
AUXSUP	CAP	**0007545397**	CLOSE	LADENTOWN- BKR 4-56-2 HIPOT AFTER INSTALL NEW	3	11/8/2007	49436	49436	32.0	11/12/2007

Long Description: **DC Proof Test Data**

Location Of Test: Ladentown Equip. Bkr 4-56-2 Date: 11/12/2007 Starting Time:

Voltage Applied: 450 kv dc Duration of Test: 5 min's Station Set/Truck # V1 Performed By:

Test OK: Test Failed: Surged: End Time:

TEST DATA : All phases tied together if required.

ELAPSED TIME	DC KILOVOLTS	MILLIAMPS	Remarks:
0 sec.	450	2.1	All phases tied as per test letter.
15 sec.	450	2.1	Set leakage= .2 ma
30 sec.	450	2.1	
45 sec.	450	2.1	
1 min.	450	2.1	
2 min.	450	2.1	
3 min.	450	2.1	
4 min.	450	2.1	
5 min.	450	2.1	

FACILITY	CAP	**0007137695**	CLOSE	WORK ASSOCIATED WITH BKR 4-56-2 CAPITAL WORK	5	7/26/2007	15477		101.0	1/6/2008

Long Description:

OSS	OSS	**0000082063**	APPR	LAD-677-S-PM-FOR OUTAGE 4-56-2	1	11/16/2000	MAXIMO		0.0	2/16/2007

Long Description:

3 total work order(s) having 133 hours.

Redacted

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MAXIMO REPORT: EQUIPMENT HISTORY

Station: LADENTOWN **Equipment: BKR-0030921** **LAD BKR 6-56-2**

RESP AREA	WORK TYPE	WORK NUMBER	STATUS	DESCRIPTION	PRTY	REPORT DATE	REPORTED BY	SUPV	HRS	ACTUAL FINISH
AUXSUP	CAP	**0007301928**	CLOSE	LADENTOWN- BKR 6-56-2- HIPOT AFTER MAJOR OVERHAUL	5	9/27/2007	49436	49436	32.0	9/28/2007

Long Description: **DC Proof Test Data**

Location Of Test: Ladentown Equip. Bkr 6-56-2 9/28/2007 Starting Time:

Voltage Applied: 450 kv dc Duration of Test: 5 min's Station Set/Truck # V1 Performed By:

Test OK: Test Failed: Surged: End Time:

TEST DATA : All phases tied.

ELAPSED TIME	DC KILOVOLTS	MILLIAMPS	Remarks:
0 sec.	450	1.8	All phases tied.
15 sec.	450	1.8	Set leakage= .2 ma.
30 sec.	450	1.8	
45 sec.	450	1.8	
1 min.	450	1.8	
2 min.	450	1.8	
3 min.	450	1.8	
4 min.	450	1.8	
5 min.	450	1.8	

The test results are acceptable to Con Edison. O&R should review them as well because the breaker is in their station.

James Haufler
Office Phone (718) 665-3747
Cell Phone (917) 939-1632
Pager (917) 729-1307

OSS	OSS	**0000082064**	APPR	LAD-677-S-PM-FOR OUTAGE 6-56-2	1	11/16/2000	MAXIMO		0.0	2/16/2007

Long Description:

2 total work order(s) having 32 hours.

Redacted

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MAXIMO REPORT: EQUIPMENT HISTORY

Station: GOETHALS **Equipment: BKR-1000002** **GOETH-CIRCUIT BREAKER 2N **RETIRED****

RESP AREA	WORK TYPE	WORK NUMBER	STATUS	DESCRIPTION	PRTY	REPORT DATE	REPORTED BY	SUPV	HRS	ACTUAL FINISH
FACILITY	CAP	**0006561289**	CLOSE	GOETHALS - BKR 2N - REPLACEMENT - HI POT DELIVERY	5	2/12/2007	49436	40371	0.0	2/16/2007
Long Description:										
AUXSUP	CAP	**0006561285**	CLOSE	GOETHALS - BKR. 2N- ASM SUPPORT HIPOT AFTER BKR REPLACEMENT	5	2/12/2007	49436	08050	44.0	2/16/2007
Long Description:										
FACILITY	JUMP	**0006491051**	CLOSE	ALARM #38 CRT. BKR. AUTO TRIP	9	1/27/2007	28920	81886	0.0	2/19/2007
Long Description:										
FACILITY	JUMP	**0006491050**	CLOSE	BKR. AIR AND GAS ALARM	9	1/27/2007	28920	81886	0.0	2/19/2007
Long Description:										
FACILITY	JUMP	**0006490997**	CLOSE	TEMPORARY JUMPER BKR. NOT CLOSED ALARM	9	1/27/2007	28920	81886	0.0	2/19/2007
Long Description:										
FACILITY	CAP	**0006489095**	CLOSE	GOETHALS - BKR. 2N REPLACEMENT - MASTER MAINTENANCE - INSTALLATION	5	1/26/2007	40371	40371	1756.5	2/22/2007
Long Description:										
FACILITY	CAP	**0006489071**	CLOSE	GOETHALS - BKR. 2N REPLACEMENT - OPERATORS COVERAGE - INSTALLATION	5	1/26/2007	40371	40371	662.0	2/23/2007
Long Description:										
FACILITY	CAP	**0006459599**	CLOSE	GOETHALS - BKR. 2N REPLACEMENT - OPERATORS COVERAGE - RETIREMENT	5	1/12/2007	40371	40371	264.0	1/26/2007
Long Description:										
FACILITY	CAP	**0006459287**	CLOSE	GOETHALS - BKR. 2N REPLACEMENT - MASTER MAINTENANCE - RETIREMENT	5	1/12/2007	40371	40371	581.5	1/30/2007
Long Description:										
FACILITY	CAP	**0006385309**	CLOSE	GOETHALS - BKR 2N - REPLACEMENT BKR DELIVERY	5	12/23/2006	40371	40371	8.0	12/21/2006
Long Description:										
FACILITY	GC	**0006364297**	CLOSE	GAS CALL- BKR 2N	2	12/14/2006	49417	49417	0.0	12/14/2006
Long Description:										
FACILITY	CMP	**0006232677**	CLOSE	GOETH-CIRCUIT BREAKER 2N AIR RECEIVER INSPECT	2	11/1/2006	MAXADMIN	00422	2.0	12/23/2006
Long Description:										

Redacted

MAXIMO REPORT: EQUIPMENT HISTORY

Station: GOETHALS **Equipment: BKR-1000002** **GOETH-CIRCUIT BREAKER 2N **RETIRED****

RESP AREA	WORK TYPE	WORK NUMBER	STATUS	DESCRIPTION	PRTY	REPORT DATE	REPORTED BY	SUPV	HRS	ACTUAL FINISH
FACILITY Long Description:	CMP	**0006178744**	CLOSE	0500-28 BKR WINTERIZATION INSP 2N	2	10/31/2006	MAXADMIN	00422	2.0	12/23/2006
FACILITY Long Description:	GC	**0005849041**	CLOSE	GAS CALL- BKR 2N	2	7/15/2006	44597	44597	0.0	7/15/2006
FACILITY Long Description: **replaced valves and safety 4th stage - checked out operation of compressor**	CM	**0005754568**	CLOSE	GOETHALS - BKR. 2N REPAIR ARE COMPRESSOR	4	6/18/2006	40371	40371	12.0	6/14/2006
FACILITY Long Description:	CMP	**0005599187**	CLOSE	GOETH-CIRCUIT BREAKER 2N AIR RECEIVER INSPECT	2	5/1/2006	MAXADMIN	40371	2.0	5/30/2006
FACILITY Long Description:	GC	**0005512505**	CLOSE	GAS CALL- BKR 2N	2	4/5/2006	44597	44597	0.0	4/5/2006
FACILITY Long Description:	GC	**0005508932**	CLOSE	GAS CALL- BKR 2N	2	4/4/2006	44597	40371	0.0	6/19/2006
FACILITY Long Description:	CMP	**0005341164**	CLOSE	0500-28 BKR SUMMERIZATION INSP 2N	2	2/28/2006	MAXADMIN	40371	2.0	4/9/2006
FACILITY Long Description:	GC	**0005074155**	CLOSE	GAS CALL- BKR 2N	2	12/21/2005	44597	44597	0.0	12/21/2005
FACILITY Long Description: **WHILE DRAINING CONDENSATE TANKS - HAD OIL SPILL - MAINTENANCE CLEANUP UP SAME.**	ENVCC	**0000350442**	CLOSE	GOETHALS - BKR. 2N BKR. - OIL SPILL CLEAN UP	2	11/9/2005	40371	40371	4.0	11/21/2005
FACILITY Long Description:	CMP	**0000345899**	CLOSE	GOETH-CIRCUIT BREAKER 2N AIR RECEIVER INSPECT	2	10/28/2005	PMWOGEN	40371	1.0	11/9/2005
FACILITY Long Description:	CMP	**0000345213**	CLOSE	0500-28 BKR WINTERIZATION INSP 2N	2	10/25/2005	PMWOGEN	40371	1.0	11/9/2005
FACILITY Long Description:	GC	**0000337403**	CLOSE	GAS CALL- BKR 2N	2	9/13/2005	74840	74840	0.0	9/13/2005
FACILITY Long Description:	GC	**0000332507**	CLOSE	GAS CALL- BKR 2N	2	8/10/2005	03332	03332	0.0	8/10/2005

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MAXIMO REPORT: EQUIPMENT HISTORY

Station: GOETHALS **Equipment: BKR-1000002** **GOETH-CIRCUIT BREAKER 2N **RETIRED****

RESP AREA	WORK TYPE	WORK NUMBER	STATUS	DESCRIPTION	PRTY	REPORT DATE	REPORTED BY	SUPV	HRS	ACTUAL FINISH
FACILITY Long Description:	GC	**0000321607**	CLOSE	GAS CALL- BKR 2N	2	6/1/2005	74840	74840	0.0	6/1/2005
FACILITY Long Description:	CMP	**0000313025**	CLOSE	GOETH-CIRCUIT BREAKER 2N AIR RECEIVER INSPECT	4	5/2/2005	19093	40371	4.0	6/19/2005
FACILITY Long Description:	GC	**0000309298**	CLOSE	GAS CALL- BKR 2N	2	4/3/2005	74840	74840	0.0	4/3/2005
FACILITY Long Description:	CMP	**0000301202**	CLOSE	0500-28 BKR SUMMERIZATION INSP 2N	4	2/25/2005	PMWOGEN	40371	0.0	5/15/2005
FACILITY Long Description:	GC	**0000296540**	CLOSE	GAS CALL- BKR 2N	2	2/1/2005	74840	74840	0.0	2/1/2005
FACILITY Long Description:	GC	**0000284042**	CLOSE	GAS CALL- BKR 2N	2	11/29/2004	74840	74840	0.0	11/29/2004
FACILITY Long Description:	CMP	**0000278966**	CLOSE	0500-28 BKR WINTERIZATION INSP 2N	4	10/25/2004	PMWOGEN	40371	2.0	11/14/2004
FACILITY Long Description:	CMP	**0000277953**	CLOSE	GOETH-CIRCUIT BREAKER 2N AIR RECEIVER INSPECT	4	10/25/2004	PMWOGEN	40371	2.0	12/19/2004
FACILITY Long Description:	GC	**0000277431**	CLOSE	GAS CALL- BKR 2N	2	10/25/2004	74840	74840	0.0	10/25/2004
FACILITY Long Description:	CM	**0000276523**	CLOSE	GROUND DETECTED BETWEEN BKR 2N AND CUBICLE C10	3	10/13/2004	18366	40371	24.0	11/1/2004
FACILITY Long Description:	GC	**0000270956**	CLOSE	GAS CALL- BKR 2N	2	9/6/2004	44597	44597	0.0	9/6/2004
FACILITY Long Description:	CM	**0000259016**	CLOSE	BKR. 2N REPAIR COMPRESSOR #2	3	6/6/2004	40371	40371	10.0	6/8/2004
FACILITY Long Description:	CMP	**0000252249**	CLOSE	GOETH-CIRCUIT BREAKER 2N AIR RECEIVER INSPECT	4	4/25/2004	PMWOGEN	40371	2.0	5/30/2004

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MAXIMO REPORT: EQUIPMENT HISTORY

Station: GOETHALS **Equipment: BKR-1000002** **GOETH-CIRCUIT BREAKER 2N **RETIRED****

RESP AREA	WORK TYPE	WORK NUMBER	STATUS	DESCRIPTION	PRTY	REPORT DATE	REPORTED BY	SUPV	HRS	ACTUAL FINISH
FACILITY Long Description:	GC	**0000251616**	CLOSE	GAS CALL- BKR 2N	2	4/19/2004	44597	44597	0.0	4/19/2004
FACILITY Long Description:	CM	**0000246022**	CLOSE	GOETHALS - BKR. 2N TROUBLE SHOOT AIR LEAK	3	2/29/2004	40371	40371	8.0	3/4/2004
FACILITY Long Description:	CMP	**0000245880**	CLOSE	0500-28 BKR SUMMERIZATION INSP 2N	4	2/28/2004	PMWOGEN	40371	2.0	3/22/2004
FACILITY Long Description:	CM	**0000236014**	CLOSE	GOETHALS - BREAKER 2N - AIR LEAK	4	12/9/2003	40371	40371	8.0	12/23/2003
FACILITY Long Description:	CMP	**0000231380**	CLOSE	0500-28 BKR SUMM/WINT INSP 2N	4	10/30/2003	PMWOGEN	40371	1.0	2/22/2004
FACILITY Long Description:	CMP	**0000230703**	CLOSE	GOETH-CIRCUIT BREAKER 2N AIR RECEIVER INSPECT	4	10/30/2003	PMWOGEN	40371	1.0	2/15/2004
FACILITY Long Description:	GC	**0000216369**	CLOSE	GAS CALL- BKR 2N	2	7/14/2003	44597	44597	0.0	7/14/2003
FACILITY Long Description:	GC	**0000211843**	CLOSE	GAS CALL- BKR 2N	2	6/6/2003	74840	74840	0.0	6/6/2003
FACILITY Long Description:	GC	**0000207920**	CLOSE	GAS CALL- BKR 2N	2	5/5/2003	44597	44597	0.0	5/12/2003
FACILITY Long Description:	CMP	**0000206869**	CLOSE	0500-28 BKR SUMM/WINT INSP 2N	2	5/1/2003	40371	40371	2.0	5/12/2003
FACILITY Long Description:	CMP	**0000206824**	CLOSE	GOETH-CIRCUIT BREAKER 2N AIR RECEIVER INSPECT	2	5/1/2003	40371	83932	2.0	6/1/2003
FACILITY Long Description:	GC	**0000194449**	CLOSE	GAS CALL- BKR 2N	2	1/27/2003	49417		0.0	1/28/2003
FACILITY Long Description:	CMP	**0000184408**	CLOSE	0500-28 BKR SUMM/WINT INSP 2N	2	11/1/2002	40371	44667	1.5	12/8/2002

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MAXIMO REPORT: EQUIPMENT HISTORY

Station: GOETHALS **Equipment: BKR-1000002** **GOETH-CIRCUIT BREAKER 2N **RETIRED****

RESP AREA	WORK TYPE	WORK NUMBER	STATUS	DESCRIPTION	PRTY	REPORT DATE	REPORTED BY	SUPV	HRS	ACTUAL FINISH
FACILITY	GC	**0000176235**	CLOSE	GAS CALL- BKR 2N	2	9/20/2002	19093		0.0	9/23/2002
Long Description:										
FACILITY	GC	**0000163755**	CLOSE	GAS CALL- BKR 2N	2	6/3/2002	19093		0.0	6/4/2002
Long Description:										
FACILITY	ALARM	**0000158406**	CLOSE	BKR 2N RECLOSURE SUPERVISORY ALARM	4	4/21/2002	08357	52581	16.0	5/3/2002
Long Description:	**BKR 2N RECLOSURE SUPERVISORY ALARM # 42 LIGHT IS UP. MONITORING RELAY LIGHT IS OUT ON 30-94R-2N WHICH HAS THE CONTACTS FOR THE # 42 ALARM. NO MARKINGS ON RELAYS INDICATING WHICH ONE IS 30-94R-2N ? PRINT # 182246-19 SHOWS ALARM BUT NO PLACE TO FIND ITS LOCATION.**									
FACILITY	CMP	**0000156140**	CLOSE	0500-28 BKR SUMM/WINT INSP 2N	2	4/2/2002	40371	52581	1.5	5/6/2002
Long Description:										
FACILITY	CM	**0000154725**	CLOSE	GOETHALS - BKR 2N - DRAIN COMPRESSOR TANKS	5	3/27/2002	40371	52581	8.0	4/2/2002
Long Description:										
FACILITY	GC	**0000145011**	CLOSE	GAS CALL- BKR 2N	1	1/14/2002	19093		0.0	1/14/2002
Long Description:										
FACILITY	CMP	**0000130165**	CLOSE	0500-28 BKR SUMM/WINT INSP 2N	1	9/28/2001	40371	52581	2.0	10/7/2001
Long Description:	**10-05-01 JOB COMPLETED F VALENTI**									
FACILITY	CM	**0000120897**	CLOSE	GOETHALS S/S - BKR. 2N, COMPRESSOR REPAIR	9	7/17/2001	40371	52581	32.0	7/18/2001
Long Description:	**change oil and filters on 2 compressors and replacing pressure switch on air system**									
FACILITY	GC	**0000120439**	CLOSE	GAS CALL- BKR 2N	1	7/12/2001	97030		0.0	7/12/2001
Long Description:										
FACILITY	GC	**0000114333**	CLOSE	GAS CALL- BKR 2N	1	5/25/2001	97030		0.0	5/25/2001
Long Description:										
FACILITY	CMP	**0000112197**	CLOSE	0500-28 BKR SUMM/WINT INSP 2N	1	5/1/2001	40371	16791	1.5	6/25/2001
Long Description:	**6-25-01 THIS JOB WAS COMPLETED.**									
FACILITY	CMP	**0000106668**	CLOSE	0500-02 DEW POINT TESTING -BKR 2N	1	4/2/2001	40371		0.0	5/11/2001
Long Description:										
FACILITY	CM	**0000105443**	CLOSE	GOETHALS S/S - BKR 2N - WELDER	9	3/26/2001	40371		40.0	6/25/2001
Long Description:	**NEEDED WELDER FOR REPLACING BUS WORK**									

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MAXIMO REPORT: EQUIPMENT HISTORY

Station: GOETHALS **Equipment: BKR-1000002** **GOETH-CIRCUIT BREAKER 2N **RETIRED****

RESP AREA	WORK TYPE	WORK NUMBER	STATUS	DESCRIPTION	PRTY	REPORT DATE	REPORTED BY	SUPV	HRS	ACTUAL FINISH
FACILITY	GC	**0000103679**	CLOSE	GAS CALL- BKR 2N	1	3/8/2001	97030		0.0	3/12/2001
Long Description:										
FACILITY	GC	**0000103675**	CLOSE	GAS CALL- BKR 2N	1	3/8/2001	97030		0.0	3/8/2001
Long Description:										
FACILITY	OH	**0000101547**	CLOSE	GOETH- BKR 2N (OH) - SUPPORT - HI POT BREAKER	1	3/5/2001	40371	49657	32.0	3/14/2001
Long Description:										
AUXSUP	HPOT	**0000095793**	CLOSE	GOETH- BKR 2N (OH) - ASM HI POT GROUP	1	1/26/2001	40371	25764	74.0	3/14/2001
Long Description:										
FACILITY	GC	**0000095644**	CLOSE	GAS CALL- BKR 2N	1	1/24/2001	97030		0.0	1/24/2001
Long Description:										
FACILITY	CM	**0000095387**	CLOSE	GOETHALS S/S - BKR 2N - DISCREPANCY FROM 'OH'	9	1/19/2001	40371	49657	110.0	3/14/2001
Long Description:	**FOUND LEAK FROM POLE #2, B PHASE - CT COVER GASKET NEEDED TO BE REPLACED.**									
FACILITY	OH	**0000092110**	CLOSE	GOETH- BKR 2N - REMOVE SCAFFOLDING	1	12/28/2000	40371	49657	16.0	3/14/2001
Long Description:	**HOLDING WORK PERMIT FOR CONTRACTOR REMOVING SCAFFOLDING**									
FACILITY	GC	**0000089526**	CLOSE	GAS CALL- BKR 2N	2	12/20/2000	19093		3.0	2/10/2003
Long Description:										
FACILITY	SUPT	**0000079797**	CLOSE	GOETH- BKR 2N (OH) - CONSTRUCTION OVERHEAD	1	11/7/2000	40371	49657	0.0	3/14/2001
Long Description:	**overhead construction in station to move breaker heads on.**									
FACILITY	SUPT	**0000076897**	CLOSE	GOETH- BKR 2N (OH) - QUEENS MAINT.	1	10/12/2000	40371		1344.0	3/14/2001
Long Description:	**support from queens maintenance**									
FACILITY	OH	**0000074544**	CLOSE	GOETH- BKR 2N (OH) ERECTING OF SCAFFOLDING.	1	9/28/2000	40371	49657	32.0	3/14/2001
Long Description:	**Work order to capture time for holding work permit for erecting of scaffolding.**									
FACILITY	OH	**0000073821**	CLOSE	GOETH- BKR 2N (OH)	1	9/21/2000	14091	49657	1272.0	3/14/2001
Long Description:										
FACILITY	CM	**0000073545**	CLOSE	BALL GROUNDS	9	9/17/2000	27513	49657	2.0	9/20/2000
Long Description:	**WE NEED 6 BALL GROUNDS INSTALLED.**									

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MAXIMO REPORT: EQUIPMENT HISTORY

Station: GOETHALS **Equipment: BKR-1000002** **GOETH-CIRCUIT BREAKER 2N **RETIRED****

RESP AREA	WORK TYPE	WORK NUMBER	STATUS	DESCRIPTION	PRTY	REPORT DATE	REPORTED BY	SUPV	HRS	ACTUAL FINISH
FACILITY	GC	**0000069351**	CLOSE	GAS CALL-CIRCUIT BKR 2N	1	8/8/2000	97030		0.0	8/8/2000
Long Description:										
FACILITY	GC	**0000068418**	CLOSE	GAS CALL-CIRCUIT BKR 2N	1	7/28/2000	97030		0.0	7/28/2000
Long Description:										
FACILITY	GC	**0000064740**	CLOSE	GAS CALL-CIRCUIT BKR 2N	1	6/22/2000	97030		0.0	6/26/2000
Long Description:										
FACILITY	CM	**0000062735**	CLOSE	GOETHALS S/S - BREAKER 2N	9	6/1/2000	40371	49657	34.0	6/2/2000
Long Description:	**repairing leak in bkr 2n air compressor cabinet - end cap dryer**									
FACILITY	GC	**0000061840**	CLOSE	GAS CALL-CIRCUIT BKR 2N	1	5/25/2000	97030		0.0	5/25/2000
Long Description:										
FACILITY	GC	**0000059787**	CLOSE	GAS CALL-CIRCUIT BKR 2N	1	5/2/2000	97030		0.0	5/2/2000
Long Description:										
FACILITY	GC	**0000057874**	CLOSE	GAS CALL-CIRCUIT BKR 2N	1	4/20/2000	97030		0.0	4/20/2000
Long Description:										
FACILITY	GC	**0000055907**	CLOSE	GAS CALL-CIRCUIT BKR 2N	1	4/3/2000	97030		0.0	4/3/2000
Long Description:										
FACILITY	GC	**0000055798**	CLOSE	GAS CALL-CIRCUIT BKR 2N	1	4/2/2000	27513		0.0	4/4/2000
Long Description:										
FACILITY	CMP	**0000055320**	CLOSE	0500-02-SF6 DEWPOINTS BKR 2N	1	3/31/2000	40371		0.0	5/31/2000
Long Description:	**astoria chem lab - sampling dewpoint - as per P. Vieira supervisor.**									
FACILITY	GC	**0000054747**	CLOSE	GAS CALL-CIRCUIT BKR 2N	1	3/24/2000	97030		0.0	3/24/2000
Long Description:										
FACILITY	GC	**0000053906**	CLOSE	GAS CALL-CIRCUIT BKR 2N	1	3/14/2000	97030		0.0	3/14/2000
Long Description:										
FACILITY	GC	**0000052674**	CLOSE	GAS CALL-CIRCUIT BKR 2N	1	3/3/2000	97030		0.0	3/3/2000
Long Description:										
FACILITY	GC	**0000051118**	CLOSE	GAS CALL-CIRCUIT BKR 2N	1	2/25/2000	97030		0.0	2/25/2000
Long Description:										

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MAXIMO REPORT: EQUIPMENT HISTORY

Station: GOETHALS **Equipment: BKR-1000002** **GOETH-CIRCUIT BREAKER 2N **RETIRED****

RESP AREA	WORK TYPE	WORK NUMBER	STATUS	DESCRIPTION	PRTY	REPORT DATE	REPORTED BY	SUPV	HRS	ACTUAL FINISH
FACILITY Long Description:	GC	**0000050334**	CLOSE	GAS CALL-CIRCUIT BKR 2N	1	2/17/2000	97030		0.0	2/18/2000
FACILITY Long Description:	GC	**0000050211**	CLOSE	GAS CALL-CIRCUIT BKR 2N	1	2/16/2000	97030		0.0	2/16/2000
FACILITY Long Description:	GC	**0000049622**	CLOSE	GAS CALL-CIRCUIT BKR 2N	1	2/7/2000	97030		0.0	2/8/2000
FACILITY Long Description:	GC	**0000048542**	CLOSE	GAS CALL-CIRCUIT BKR 2N	1	2/1/2000	97030		0.0	2/1/2000
FACILITY Long Description:	GC	**0000048164**	CLOSE	GAS CALL-CIRCUIT BKR 2N	1	1/26/2000	97030		0.0	1/26/2000
FACILITY Long Description:	GC	**0000047792**	CLOSE	GAS CALL-CIRCUIT BKR 2N	1	1/21/2000	51272		0.0	1/24/2000
FACILITY Long Description:	GC	**0000047473**	CLOSE	GAS CALL-CIRCUIT BKR 2N	1	1/18/2000	97030		0.0	1/18/2000
FACILITY Long Description:	GC	**0000046946**	CLOSE	GAS CALL-CIRCUIT BKR 2N	1	1/10/2000	97030		0.0	1/10/2000
FACILITY Long Description:	SW	**0000045065**	CLOSE	OPERATOR ON DUTY FOR BREAKER 2N	9	12/28/1999	14091	84206	58.0	10/6/2000
FACILITY Long Description:	CM	**0000045063**	CLOSE	REPLACE HICKORY ROD AND REBUILD THE COLUMN ON BKR 2N	9	12/28/1999	14091	84206	256.5	10/23/2000
FACILITY Long Description:	GC	**0000042660**	CLOSE	GAS CALL-CIRCUIT BKR 2N	1	11/29/1999	97030		0.0	11/29/1999
FACILITY Long Description:	GC	**0000038677**	CLOSE	GAS CALL-CIRCUIT BKR 2N	1	10/22/1999	97030		0.0	10/22/1999
FACILITY Long Description:	GC	**0000028933**	CLOSE	GAS CALL-CIRCUIT BKR 2N	1	8/4/1999	97030		0.0	8/4/1999
FACILITY Long Description:	GC	**0000024412**	CLOSE	GAS CALL-CIRCUIT BKR 2N	1	6/24/1999	97030		0.0	6/24/1999

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MAXIMO REPORT: EQUIPMENT HISTORY

Station: GOETHALS **Equipment: BKR-1000002** **GOETH-CIRCUIT BREAKER 2N **RETIRED****

RESP AREA	WORK TYPE	WORK NUMBER	STATUS	DESCRIPTION	PRTY	REPORT DATE	REPORTED BY	SUPV	HRS	ACTUAL FINISH
FACILITY	GC	**0000019127**	CLOSE	GAS CALL-CIRCUIT BKR 2N	1	5/19/1999	05602		20.0	1/1/2000
Long Description:										

106 total work order(s) having 6766 hours.

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MAXIMO REPORT: EQUIPMENT HISTORY

Station: HUDSON AVE. EAST **Equipment: BKR-1000023** **HA EAST-CIRCUIT BREAKER-1**

RESP AREA	WORK TYPE	WORK NUMBER	STATUS	DESCRIPTION	PRTY	REPORT DATE	REPORTED BY	SUPV	HRS	ACTUAL FINISH
FACILITY Long Description:	CMP-0	**0007865272**	CLOSE	0500-28 BKR SUMMERIZATION INSP 1E	4	2/8/2008	89260	07265	6.0	5/15/2008
FACILITY Long Description:	CAP	**0007373979**	CLOSE	HIPOT BREAKER #1 AT HA EAST	2	10/1/2007	08050		39.0	11/7/2007
FACILITY Long Description:	CMP-0	**0007373209**	CLOSE	0500-28 WINTERIZATION INSP BKR 1	4	10/1/2007	MAXADMIN	18081	0.0	11/9/2007
FACILITY Long Description:	OH	**0007289438**	CLOSE	BKR 1 (OH)	4	9/21/2007	12977		224.0	10/7/2007
FACILITY Long Description:	SUPT	**0007288311**	CLOSE	BKR 1 (OH) OPERATOR COVERAGE	5	9/19/2007	12977		65.5	9/27/2007
FACILITY Long Description:	CMP	**0007077172**	CLOSE	0500-02 DEW POINT TESTING BKR 1	4	6/30/2007	MAXADMIN	12977	0.0	9/26/2007
PLNGRP Long Description:	OSS	**0006919562**	APPR	PERFORM OVERHAUL	9	5/3/2007	85180		0.0	
FACILITY Long Description:	CM	**0006816284**	CLOSE	BREAKER 1 LOW PRESS ALARM CHECK AND REPAIR	5	4/17/2007	12977		20.0	4/17/2007
FACILITY Long Description:	CM	**0006815372**	CLOSE	DRAIN WATER IN CONTROL CAB.	5	4/16/2007	44583		4.0	6/15/2007
	4/16/07 FOUND ABOUT 1INCH OF WATER IN CONTROL CAB "ALL OF CONTROL CAB" DRILLED HOLES 1/4" IN BACK OF ONE CAB AND ANOTHER IN THE FRONT, HTR'S SHOULD DRY IT OUT IN ABOUT 3 HRS. OLSEN/CHRIS									
FACILITY Long Description:	CMP	**0006652085**	CLOSE	0500-28 BKR SUMMERIZATION INSP 1E	2	3/1/2007	MAXADMIN	17090	3.5	4/29/2007
PROTSYS Long Description:	SR	**0006145987**	CLOSE	DOBLE OF BKR 1 WITH DT WORK	5	10/4/2006	88082		20.0	10/5/2006
FACILITY Long Description:	DT	**0006142327**	CLOSE	BKR- 1 (DT)	2	10/3/2006	12977		102.0	10/5/2006
FACILITY Long Description:	CMP	**0006095043**	CLOSE	0500-28 BKR WINTERIZATION INSP 1	2	9/30/2006	MAXADMIN	49539	2.5	11/22/2006

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MAXIMO REPORT: EQUIPMENT HISTORY

Station: HUDSON AVE. EAST **Equipment: BKR-1000023** **HA EAST-CIRCUIT BREAKER-1**

RESP AREA	WORK TYPE	WORK NUMBER	STATUS	DESCRIPTION	PRTY	REPORT DATE	REPORTED BY	SUPV	HRS	ACTUAL FINISH
FACILITY Long Description:	CMP	**0005351720**	CLOSE	0500-28 BKR SUMMERIZATION INSP 1	2	2/28/2006	MAXADMIN	10479	2.0	4/17/2006
FACILITY Long Description:	CMP	**0000341334**	CLOSE	0500-28 BKR WINTERIZATION INSP 1	2	9/25/2005	PMWOGEN	17090	2.0	12/2/2005
FACILITY Long Description:	OH	**0000322408**	CLOSE	BKR 1 (OH) REMOVE PARTS	4	6/6/2005	12977		98.0	10/13/2007
FACILITY Long Description:	SR	**0000311649**	CLOSE	BKR 1 DIAGNOSTIC TESTING - DOBLE PF TEST	4	4/23/2005	16966		16.0	4/26/2005
FACILITY Long Description:	DT	**0000311461**	CLOSE	BKR- 1 (DT)	3	4/21/2005	12977	17366	64.5	5/3/2005
FACILITY Long Description:	CMP	**0000301254**	CLOSE	0500-28 BKR SUMMERIZATION INSP 1	4	2/25/2005	PMWOGEN	44583	1.0	4/20/2005
FACILITY Long Description:	CMP	**0000274565**	CLOSE	0500-28 BKR WINTERIZATION INSP 1	4	9/25/2004	PMWOGEN	49539	3.0	11/15/2004
FACILITY Long Description:	CMP	**0000245933**	CLOSE	0500-28 BKR SUMMERIZATION INSP 1	4	2/28/2004	PMWOGEN	44583	2.0	5/18/2004
FACILITY Long Description:	CMP	**0000226971**	CLOSE	0500-28 BKR SUMM/WINT INSP 1	2	10/3/2003	12977	17090	2.0	10/28/2003
FACILITY Long Description:	CMP	**0000203300**	CLOSE	0500-28 BKR SUMM/WINT INSP 1	2	4/1/2003	14091	12977	2.0	4/22/2003
FACILITY Long Description:	CMP	**0000178865**	CLOSE	0500-28 BKR SUMM/WINT INSP 1	2	10/1/2002	14091		2.0	12/12/2002
FACILITY Long Description:	CMP	**0000155953**	CLOSE	0500-28 BKR SUMM/WINT INSP 1	2	4/1/2002	14091		3.0	4/18/2002
FACILITY Long Description:	CMP	**0000129997**	CLOSE	0500-28 BKR SUMM/WINT INSP 1	1	9/28/2001	14091		2.0	10/19/2001
FACILITY Long Description:	CMP	**0000107256**	CLOSE	0500-02 DEW POINT TESTING -BKR-1	9	4/2/2001	14091		1.0	7/10/2001

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MAXIMO REPORT: EQUIPMENT HISTORY

Station: HUDSON AVE. EAST **Equipment: BKR-1000023** **HA EAST-CIRCUIT BREAKER-1**

RESP AREA	WORK TYPE	WORK NUMBER	STATUS	DESCRIPTION	PRTY	REPORT DATE	REPORTED BY	SUPV	HRS	ACTUAL FINISH
FACILITY	CMP	**0000107252**	CLOSE	0500-28 BKR SUMM/WINT INSP 1	1	4/2/2001	14091	06231	5.0	5/29/2001
Long Description:										
FACILITY	CM	**0000085594**	CLOSE	BKR#1 TC#1 SUPV LIGHT OUT	9	11/27/2000	56636	06231	15.5	11/27/2000
Long Description:	**IN THE RELAY HOUSE FOR 7G03L&M PNL PA9 SHOWS THE SUPV LIGHT OUT FOR BKR#1 TC#1 AND MAYBE CAUSING 138KV RELAY PNL ALARM.**									
FACILITY	CMP	**0000074717**	CLOSE	0500-28 BKR SUMM/WINT INSP 1	1	9/29/2000	14091	06231	9.5	10/25/2000
Long Description:										
FACILITY	CMP	**0000059211**	CLOSE	0500-28 BKR SUMM/WINT INSP 1	1	4/28/2000	14091		1.0	5/3/2000
Long Description:										

31 total work order(s) having 718 hours.

Redacted

Exhibit __ (SIIP-1)
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MAXIMO REPORT: EQUIPMENT HISTORY

Station: WEST 49TH ST. **Equipment: BKR-0000324** **W49ST-CIRCUIT BREAKER-2**

RESP AREA	WORK TYPE	WORK NUMBER	STATUS	DESCRIPTION	PRTY	REPORT DATE	REPORTED BY	SUPV	HRS	ACTUAL FINISH
FACILITY Long Description:	CMP-0	**0008022920**	CLOSE	0500-02 DEW POINT TESTING -BKR 2	4	3/31/2008	MAXADMIN	02822	1.0	4/14/2008
FACILITY Long Description:	GC	**0007976189**	CLOSE	GAS CALL- BKR 2	4	3/10/2008	75421	75421	0.0	3/10/2008
FACILITY Long Description:	CMP-0	**0007875376**	CLOSE	0500-28 BKR SUMMERIZATION INSP 2	4	2/8/2008	89260	38902	8.0	4/7/2008
FACILITY Long Description:	CMP-0	**0007507592**	CLOSE	0500-17 ANNUAL COMPRESSOR BKR 2	4	10/31/2007	MAXADMIN	21100	0.0	12/6/2007
FACILITY Long Description:	CMP-0	**0007319095**	CLOSE	0500-28 BKR WINTERIZATION INSP 2	4	9/30/2007	MAXADMIN	15085	16.0	12/6/2007
FACILITY Long Description:	DT	**0007286127**	POUTG	BKR 2 (DT)	4	9/17/2007	86152		0.0	
FACILITY Long Description:	OH	**0007285788**	POUTG	BKR 2 (OH)	4	9/17/2007	86152		0.0	
FACILITY Long Description:	CMP	**0006895043**	CLOSE	0500-02 DEW POINT TESTING -BKR 2	2	5/1/2007	MAXADMIN	56690	2.0	5/16/2007
FACILITY Long Description:	CMP	**0006646712**	CLOSE	0500-28 SUMMERIZATION INSP BKR 2	2	2/28/2007	MAXADMIN	38902	16.0	4/13/2007
FACILITY Long Description:	CM	**0006363903**	CLOSE	49 STREET BREAKER # 2 CHANGE TEMPERATURE GAUGE AND PROBE	5	12/14/2006	18713		56.0	12/15/2006
FACILITY Long Description:	CMP	**0006198210**	CLOSE	0500-17 ANNUAL COMPRESSOR BKR 2	2	10/31/2006	MAXADMIN	38902	16.0	2/6/2007
FACILITY Long Description:	CMP	**0006179489**	CLOSE	0500-28 BKR WINTERIZATION INSP 2	2	10/31/2006	MAXADMIN	21100	12.0	11/22/2006
FACILITY Long Description:	CMP	**0005584926**	CLOSE	0500-02 DEW POINT TESTING -BKR 2	2	5/1/2006	MAXADMIN	21100	2.0	7/6/2006
FACILITY Long Description:	GC	**0005441923**	CLOSE	GAS CALL- BKR 2	2	3/23/2006	17836	17836	0.0	3/23/2006

Redacted

MAXIMO REPORT: EQUIPMENT HISTORY

Station: WEST 49TH ST. **Equipment: BKR-0000324** **W49ST-CIRCUIT BREAKER-2**

RESP AREA	WORK TYPE	WORK NUMBER	STATUS	DESCRIPTION	PRTY	REPORT DATE	REPORTED BY	SUPV	HRS	ACTUAL FINISH
FACILITY Long Description:	CMP	**0005352910**	CLOSE	0500-28 BKR SUMMERIZATION INSP 2	2	2/28/2006	MAXADMIN	21100	4.0	5/8/2006
FACILITY Long Description:	CMP	**0000345168**	CLOSE	0500-28 BKR WINTERIZATION INSP 2	2	10/25/2005	PMWOGEN	01748	0.0	2/8/2006
FACILITY Long Description:	CMP	**0000345033**	CLOSE	0500-17 ANNUAL COMPRESSOR BKR 2	2	10/25/2005	PMWOGEN	38902	16.0	9/27/2006
FACILITY Long Description:	GC	**0000331170**	CLOSE	GAS CALL- BKR 2	2	8/1/2005	75421	75421	0.0	8/1/2005
FACILITY Long Description:	CM	**0000322956**	CLOSE	SSM TO REPLACE DEFECTIVE CLOSE INDICATING LIGHT	5	6/11/2005	19325	19325	16.0	12/10/2005
FACILITY Long Description:	GC	**0000302306**	CLOSE	GAS CALL- BKR 2	2	2/27/2005	83964	83964	0.0	2/27/2005
FACILITY Long Description:	CMP	**0000300970**	CLOSE	0500-28 BKR SUMMERIZATION INSP 2	4	2/25/2005	PMWOGEN	56690	11.0	5/26/2005
FACILITY Long Description:	CMP	**0000278918**	CLOSE	0500-28 BKR WINTERIZATION INSP 2	4	10/25/2004	PMWOGEN	86336	4.0	12/17/2004
FACILITY Long Description:	CMP	**0000278529**	CLOSE	0500-17 ANNUAL COMPRESSOR BKR 2	4	10/25/2004	PMWOGEN	21100	1.5	7/5/2005
FACILITY Long Description:	GC	**0000276071**	CLOSE	GAS CALL-TESTING ONLY JM.	2	10/5/2004	77059	77059	0.0	10/5/2004
FACILITY Long Description:	CM	**0000270698**	CLOSE	BREAKER CLOSED INDICATING LIGHT SOCKET DEFECTIVE	5	9/1/2004	19325	19325	0.0	8/4/2006
FACILITY Long Description:	CMP	**0000252693**	CLOSE	0500-02 DEW POINT TESTING -BKR 2	4	4/25/2004	PMWOGEN	19325	0.8	6/9/2004
PROTSYS Long Description:	SR	**0000248641**	CLOSE	DOBLE BKR 2	4	3/24/2004	53158		16.0	3/31/2004

Redacted

MAXIMO REPORT: EQUIPMENT HISTORY

Station: WEST 49TH ST. **Equipment: BKR-0000324** **W49ST-CIRCUIT BREAKER-2**

RESP AREA	WORK TYPE	WORK NUMBER	STATUS	DESCRIPTION	PRTY	REPORT DATE	REPORTED BY	SUPV	HRS	ACTUAL FINISH
FACILITY Long Description:	GC	**0000236740**	CLOSE	GAS CALL- BKR 2	5	12/16/2003	83964	83964	0.0	12/16/2003
FACILITY Long Description:	CMP	**0000231363**	CLOSE	0500-28 BKR SUMM/WINT INSP 2	2	10/30/2003	PMWOGEN	38902	6.0	12/9/2003
FACILITY Long Description:	CMP	**0000231148**	CLOSE	0500-17 ANNUAL COMPRESSOR BKR 2	2	10/30/2003	PMWOGEN	38902	2.0	12/9/2003
FACILITY Long Description:	CM	**0000221925**	CLOSE	REPAIR AIR LEAK	3	9/2/2003	20259	20259	40.0	10/30/2003
PROTSYS Long Description:	SR	**0000220399**	CLOSE	W49 BKR 2 TROUBLE CLOSING	3	8/21/2003	18934		8.0	8/21/2003
FACILITY Long Description:	FM	**0000211640**	CLOSE	DIAGNOSTIC TESTING ON BKR 2, TO BE PERFORMED	4	6/4/2003	20259	20259	60.0	5/6/2004
FACILITY Long Description:	CM	**0000209119**	ZERO	W49 - BKR 2 (REPAIR CLOSING CIRCUIT)	5	5/20/2003	20412	20259	0.0	10/9/2003
FACILITY Long Description:	CMP	**0000206249**	CLOSE	0500-28 BKR SUMM/WINT INSP 2	2	4/29/2003	20412		0.0	9/9/2003
FACILITY Long Description:	CMP	**0000206235**	CLOSE	0500-02 DEW POINT TESTING -BKR 2	2	4/29/2003	20412		0.0	5/15/2003
FACILITY Long Description:	CM	**0000198329**	CLOSE	W49 - CIRC. BKR. NO.2 LOW GAS TEMP. LOW.	3	2/28/2003	16128	20259	0.0	5/15/2003
FACILITY Long Description:	CMP	**0000183614**	CLOSE	0500-28 BKR SUMM/WINT INSP 2	2	10/29/2002	20412		27.0	11/19/2002
FACILITY Long Description:	CMP	**0000183610**	CLOSE	0500-17 ANNUAL COMPRESSOR BKR 2	2	10/29/2002	20412		8.0	6/9/2003
FACILITY Long Description:	CM	**0000181166**	CLOSE	BKR# 2 (DOBLE TEST) SSM / PST	4	10/23/2002	18934	39043	16.0	4/2/2003
FACILITY Long Description:	CM	**0000174157**	CLOSE	BKR# 2 (DOBLE TEST) SSM / PST	3	9/3/2002	20412	39043	8.0	2/26/2003

Redacted

MAXIMO REPORT: EQUIPMENT HISTORY

Station: WEST 49TH ST. **Equipment: BKR-0000324** **W49ST-CIRCUIT BREAKER-2**

RESP AREA	WORK TYPE	WORK NUMBER	STATUS	DESCRIPTION	PRTY	REPORT DATE	REPORTED BY	SUPV	HRS	ACTUAL FINISH
FACILITY Long Description:	CMP	**0000160216**	CLOSE	0500-02 DEW POINT TESTING -BKR 2	2	4/30/2002	20412		0.0	4/1/2002
FACILITY Long Description:	CMP	**0000158450**	CLOSE	0500-28 BKR SUMM/WINT INSP 2	2	4/22/2002	20259		0.0	5/28/2002
FACILITY Long Description:	CMP	**0000135041**	CLOSE	0500-28 BKR SUMM/WINT INSP 2	1	10/29/2001	20412		8.0	11/6/2001
FACILITY Long Description:	CMP	**0000135034**	CLOSE	0500-17 ANNUAL COMPRESSOR BKR 2	9	10/29/2001	20412		0.0	11/6/2001
TRFGRP Long Description:	CM	**0000126549**	CLOSE	W49ST-2:CHANGE SILICA GEL ON COMPARTMENT BREATHERS	9	8/30/2001	16348		8.0	8/31/2001
FACILITY Long Description:	GC	**0000120123**	CLOSE	GAS CALL - BKR 2	2	7/8/2001	39554		0.0	2/10/2003
FACILITY Long Description:	CMP	**0000111692**	CLOSE	0500-28 BKR SUMM/WINT INSP 2	1	5/1/2001	20412		12.0	5/29/2001
FACILITY Long Description:	CMP	**0000100465**	CLOSE	0500-02 DEW POINT TESTING -BKR 2	9	3/1/2001	29132		0.0	3/16/2001
FACILITY Long Description:	GC	**0000089322**	CLOSE	GAS CALL -CIRCUIT BREAKER 2	2	12/20/2000	19093		0.0	2/10/2003
FACILITY Long Description:	CM	**0000085327**	CLOSE	BKR #2 TROUBLE	9	11/21/2000	20412		0.0	12/8/2000
TRFGRP Long Description:	CM	**0000085143**	CLOSE	BKR. #2 LOW GAS ALARM UP PRESSURES NORMAL	9	11/19/2000	46822		0.0	12/8/2000
FACILITY Long Description:	CMP	**0000078939**	CLOSE	0500-02 DEW POINT TESTING -BKR 2	9	11/1/2000	20412		0.0	12/12/2000
FACILITY Long Description:	CMP	**0000078916**	CLOSE	0500-28 BKR SUMM/WINT INSP 2	1	11/1/2000	20412		0.0	11/30/2000

Redacted

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MAXIMO REPORT: EQUIPMENT HISTORY

Station: WEST 49TH ST. **Equipment: BKR-0000324** **W49ST-CIRCUIT BREAKER-2**

RESP AREA	WORK TYPE	WORK NUMBER	STATUS	DESCRIPTION	PRTY	REPORT DATE	REPORTED BY	SUPV	HRS	ACTUAL FINISH
FACILITY Long Description:	CMP	**0000075489**	CLOSE	0500-17 ANNUAL COMPRESSOR BKR 2	9	10/2/2000	20412		16.0	10/17/2000
FACILITY Long Description:	CMP	**0000071226**	CLOSE	0500-02 DEW POINT TESTING -BKR 2	9	8/31/2000	20412		0.0	10/3/2000
FACILITY Long Description:	CM	**0000058092**	CLOSE	CB #2 TROUBLE ALARM UP CAN NOT FIND REASON	9	4/24/2000	37231	20099	16.0	9/19/2000
FACILITY Long Description:	GC	**0000042248**	CLOSE	GAS CALL -CIRCUIT BREAKER 2	1	11/23/1999	89260		1.0	11/24/1999
FACILITY Long Description:	CMP	**0000039612**	CLOSE	0500-28-CIR BKRS WINTERIZATION IN 2	1	11/1/1999	39043		8.0	11/22/1999
PROTSYS Long Description:	SR	**0000032922**	CLOSE	W49 ST SOCCS TRBL. - UNABLE TO OPEN BKR 2	9	9/8/1999	50900		16.0	9/21/1999
FACILITY Long Description:	CM	**0000032659**	CLOSE	CONTROL BOARD :BKR#2 CAN BE OPERATED VIA OPEN/CLOSE BUTTONS	9	9/5/1999	20206	20099	8.0	9/22/1999
FACILITY Long Description:	CM	**0000030862**	CLOSE	BKR. #2 SOCKET DEFECTIVE ON CONTROL PANEL	9	8/20/1999	46822		23.0	11/5/1999
FACILITY Long Description:	GC	**0000021902**	CLOSE	W49ST-GAS CALL GCB/ITE MODC 2	1	6/1/1999	13357		2.0	11/1/1999
FACILITY Long Description:	CMP	**0000009022**	CLOSE	500-28-CIR BKRS WINTERIZATION IN	1	1/11/1999	20099		0.0	8/19/1999
FACILITY Long Description:	DT	**0000004526**	CLOSE	BKR-0000324 GCB 2	9	12/8/1998	MAXIMO		0.0	12/8/1998

65 total work order(s) having 491.25 hours.

Redacted

MAXIMO REPORT: EQUIPMENT HISTORY

Station: WEST 49TH ST. **Equipment: BKR-0000326** **W49ST-CIRCUIT BREAKER-4**

RESP AREA	WORK TYPE	WORK NUMBER	STATUS	DESCRIPTION	PRTY	REPORT DATE	REPORTED BY	SUPV	HRS	ACTUAL FINISH
FACILITY	ALARM	**0008094182**	CLOSE	CHECK AND REPAIR BREAKER 4 TROUBLE ALARM	5	4/29/2008	18713		8.0	6/4/2008
Long Description:										
PROTSYS	SR	**0008075773**	INPRG	W49 ST - BKR 4 DOBLE TEST AS PART OF BREAKER OVERHAUL	5	4/18/2008	50900		28.0	
Long Description:										
AUXSUP	CAP	**0008075154**	CLOSE	W49ST- BKR 4- AC HIPOT AFTER OVERHAUL	5	4/17/2008	49436	85631	687.5	4/22/2008
Long Description:										

Redacted

MAXIMO REPORT: EQUIPMENT HISTORY

Station: WEST 49TH ST. **Equipment: BKR-0000326** **W49ST-CIRCUIT BREAKER-4**

RESP AREA	WORK TYPE	WORK NUMBER	STATUS	DESCRIPTION	PRTY	REPORT DATE	REPORTED BY	SUPV	HRS	ACTUAL FINISH
PROTSYS	OH	0008065194	COMP	W49 - BREAKER 4 (OH) OVERHAUL - PST TO DOBLE GRADING CAPACITORS	5	4/10/2008	01518		42.0	4/13/2008

Long Description: **STEVE, BENNY,**
PLEASE REVIEW AND APPROVE THE FOLLOWING DOBLE TEST DATA OF THE REPLACEMENT GRADING CAPACITOR CANS FOR BKR 4 AT W 49TH STREET. THANKS,

Frank Loiacono

From: Herrera, Francis
Sent: Saturday, April 12, 2008 9:11 AM
To: Loiacono, Frank
Cc: Dockery, Clifton; Herrera, Francis
Subject: Bkr.4 Grading Caps

M4000 - Clipboard
C:\Documents and Settings\herreraf\Desktop\Clipboard2.txt
04/12/08 08:53 AM

Nameplate

Date (MM/DD/YY)	04/12/08	Time	08:04 AM
Company	Con Edison		
Location	W49st substation		
Equipment	Bkr#4 Grading capacitors		
Serial Number			
Manufacturer	ABB		
Special ID			
Circuit Designation			

Administrative Info

Checked by		Tested by	Herrera,Dockery
Controller No.		Sheet No.	
Instrument No.			

Test Conditions

Weather	Unknown	Air Temperature	21 °C
Humidity	54 %	Oil Temperature	

Test Results

Redacted

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MAXIMO REPORT: EQUIPMENT HISTORY

Station: WEST 49TH ST. **Equipment: BKR-0000326** **W49ST-CIRCUIT BREAKER-4**

RESP AREA	WORK TYPE	WORK NUMBER	STATUS	DESCRIPTION	PRTY	REPORT DATE	REPORTED BY	SUPV	HRS	ACTUAL FINISH

No	Test ID	L Circ. C	Desc.	kV	Meas. mA	Corr. Watts	Corr. %PF	Cap./ Fctr	R %PF	Ind.	T
1	Cap # 3Z	A	UST-R	10.00	5.652	0.211	0.374	1.00	0.374	1499.10	pF
2	Cap # 4Z	A	UST-R	10.00	5.773	0.160	0.277	1.00	0.277	1531.30	pF
3	Cap # 9Z	A	UST-R	10.00	5.638	0.141	0.251	1.00	0.251	1495.52	pF
4	Cap # 11Z	A	UST-R	10.00	5.808	0.150	0.257	1.00	0.257	1540.49	pF
5	Cap # 12Z	A	UST-R	10.00	5.575	0.172	0.309	1.00	0.309	1478.72	pF

LC (Line Configuration) Parameters:
A = Ref. to 10 kV, Line Frequency Modulation, 60 Hz
B = Ref. to 10 kV, Line Frequency Modulation, 50 Hz
C = Ref. to 10 kV, Line Sync Reversal
D = Actual Values, Line Frequency Modulation, 60 Hz
E = Actual Values, Line Frequency Modulation, 50 Hz
F = Actual Values, Line Sync Reversal

Air Temperature and Humidity

Test Number	Test Date	Test Time	Air Temp.	Humidity
1	04/12/08	08:33 AM	20 °C	58 %
2	04/12/08	08:37 AM	21 °C	54 %
3	04/12/08	08:39 AM	21 °C	54 %
4	04/12/08	08:41 AM	21 °C	54 %
5	04/12/08	08:43 AM	21 °C	54 %

From: Kraemer, Steven C.
Sent: Friday, April 11, 2008 7:56 AM
To: Roccisano, Attilio
Cc: Loiacono, Frank; Ragona, Michael; Rene, Frantz; Varughese, Benny; Kraemer, Steven C.
Subject: RE: W49st BRk#4 Capacitors doble

No. Not until I talk to the ABB Rep. Dusty Hughes who is supposed to be at W 49th St. today.

From: Roccisano, Attilio
Sent: Friday, April 11, 2008 5:44 AM

Redacted

Exhibit __ (SIIP-1)
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RESP AREA	WORK TYPE	WORK NUMBER	STATUS	DESCRIPTION	PRTY	REPORT DATE	REPORTED BY	SUPV	HRS	ACTUAL FINISH

To: Kraemer, Steven C.
Cc: Loiacono, Frank; Ragona, Michael; Rene, Frantz; Roccisano, Attilio
Subject: RE: W49st BRk#4 Capacitors doble

Steve, are you accepting them based on Power Factor. Please advise

---

From: Kraemer, Steven C.
Sent: Thursday, April 10, 2008 2:47 PM
To: 'dusty.hughes@us.abb.com'
Cc: Isecke, John C.; Chu, Donald; Dilillo, Patrick; Urdea, John; Varughese, Benny; Petrosino, Steve; Salony, Robert; Loiacono, Frank; dl - PST-MAN-MGMT; paulo.kueffner@us.abb.com; Kraemer, Steven C.
Subject: FW: W49st BRk#4 Capacitors doble

Dusty,

There several capacitors with lower than expected capacitance. The Con Edison Specification calls for a capacitance of 1500pF with a minimum capacitance of 1425pF. However all the percent power factor is acceptable. See the attached.

Steve

From: Loiacono, Frank
Sent: Thursday, April 10, 2008 12:59 PM
To: Kraemer, Steven C.; Varughese, Benny
Cc: Salony, Robert; Petrosino, Steve; dl - PST-MAN-MGMT
Subject: FW: W49st BRk#4 Capacitors doble

STEVE, BENNY,
PLEASE REVIEW AND APROVE THE BELOW DOBLE TEST DATA OF THE GRADIENT CAPACITORS OF BREAKER 4.

Frank Loiacono

From: Anagnostou, Angelos
Sent: Thursday, April 10, 2008 12:35 PM
To: Loiacono, Frank; Roccisano, Attilio; Paterno, Joseph M.; Ragona, Michael
Subject: W49st BRk#4 Capacitors doble

To PST supervisors,

Attached is a Doble file and a printable file for W49st breaker #4

Redacted

MAXIMO REPORT: EQUIPMENT HISTORY

Station: WEST 49TH ST. **Equipment: BKR-0000326** **W49ST-CIRCUIT BREAKER-4**

RESP AREA	WORK TYPE	WORK NUMBER	STATUS	DESCRIPTION	PRTY	REPORT DATE	REPORTED BY	SUPV	HRS	ACTUAL FINISH

<< File: W49TH_BKR4_CAPS.txt >> << File: W49TH_BKR4_CAPS.m4k >>

M4000 - Clipboard
C:\Documents and Settings\anagnostoua\Desktop\W49TH_BKR4_CAPS.txt
04/10/08 08:54 AM

Nameplate

Date (MM/DD/YY) 04/10/08 Time 07:48 AM
Company Con Edison
Location W49 street S/S
Equipment Breaker #4 Grading Capacitors
Serial Number
Manufacturer ABB
Special ID
Circuit Designation

Administrative Info

Checked by Tested by R.HAMMER,A ANAGNOS
Controller No. Sheet No.
Instrument No.

Test Results

No	Test ID	L Circ. C Desc.	kV	Meas. mA	Corr. Watts	Corr. %PF	Cap./ Fctr	R %PF	Ind.	T
1	CAP#1	A UST-R	10.00	5.498	0.158	0.287	1.00	0.287	1458.48	pF
2	CAP#2	A UST-R	10.00	5.778	0.149	0.258	1.00	0.258	1532.76	pF
3	CAP#3	A UST-R	10.00	5.354	0.127	0.238	1.00	0.238	1420.23	pF
4	CAP#4	A UST-R	10.00	5.334	0.124	0.233	1.00	0.233	1414.78	pF
5	CAP#5	A UST-R	10.00	5.474	0.139	0.255	1.00	0.255	1451.88	pF
6	CAP#6	A UST-R	10.00	5.492	0.123	0.224	1.00	0.224	1456.70	pF
7	CAP#7	A UST-R	10.00	5.413	0.129	0.239	1.00	0.239	1435.89	pF
8	CAP#8	A UST-R	10.00	5.531	0.120	0.217	1.00	0.217	1467.11	pF
9	CAP#9	A UST-R	10.00	5.313	0.135	0.254	1.00	0.254	1409.27	pF
10	CAP#10	A UST-R	10.00	5.800	0.136	0.235	1.00	0.235	1538.59	pF
11	CAP#11	A UST-R	10.00	5.340	0.134	0.251	1.00	0.251	1416.52	pF
12	CAP#12	A UST-R	10.00	5.343	0.136	0.255	1.00	0.255	1417.18	pF

Redacted

MAXIMO REPORT: EQUIPMENT HISTORY

Station: WEST 49TH ST. **Equipment: BKR-0000326** **W49ST-CIRCUIT BREAKER-4**

RESP AREA	WORK TYPE	WORK NUMBER	STATUS	DESCRIPTION	PRTY	REPORT DATE	REPORTED BY	SUPV	HRS	ACTUAL FINISH
	LC (Line Configuration) Parameters: **A = Ref. to 10 kV, Line Frequency Modulation, 60 Hz** **B = Ref. to 10 kV, Line Frequency Modulation, 50 Hz** **C = Ref. to 10 kV, Line Sync Reversal** **D = Actual Values, Line Frequency Modulation, 60 Hz** **E = Actual Values, Line Frequency Modulation, 50 Hz** **F = Actual Values, Line Sync Reversal**									
FACILITY Long Description:	OH	**0008062462**	INPRG	BKR 4 (OH)	4	4/8/2008	86152		479.0	
FACILITY Long Description:	RET	**0008060388**	CLOSE	BREAKER #4 RETIREMENT AT WEST 49 ST. RE	5	4/7/2008	18713		472.5	4/20/2008
FACILITY Long Description:	CMP-0	**0008022975**	CLOSE	0500-02 DEW POINT TESTING -BKR 4	4	3/31/2008	MAXADMIN	18713	0.0	5/7/2008

Redacted

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MAXIMO REPORT: EQUIPMENT HISTORY

Station: WEST 49TH ST. **Equipment: BKR-0000326** **W49ST-CIRCUIT BREAKER-4**

RESP AREA	WORK TYPE	WORK NUMBER	STATUS	DESCRIPTION	PRTY	REPORT DATE	REPORTED BY	SUPV	HRS	ACTUAL FINISH
PROTSYS	SR	0007996970	COMP	W49TH STREET DOBLE PF TEST BREAKER 4 AS PART OF DIAG TEST	5	3/25/2008	01518		29.0	3/25/2008

Long Description:

From: Kraemer, Steven C.
Sent: Thursday, March 27, 2008 12:30 PM
To: Ragona, Michael; Dockery, Clifton; dl - PST-MAN-MGMT
Cc: Isecke, John C.; Chu, Donald; Dilillo, Patrick; Malaj, Halim; Urdea, John; Varughese, Benny
Subject: FW: W49th St Breaker 4 Doble Power Factor Test Results 032508

The attached test results are acceptable.

From: Ragona, Michael
Sent: Tuesday, March 25, 2008 5:15 PM
To: Varughese, Benny; Kraemer, Steven C.
Cc: Mattera, Steven F.; Dockery, Clifton; dl - PST-MAN-MGMT
Subject: W49th St Breaker 4 Doble Power Factor Test Results 032508

Steve & Benny,

For your approval.

Doble Power Factor test results for W49th St Breaker 4 .

Thanks,
Mike

<< File: W49 BRK 4 032508.txt >> << File: W49 BRK 4 032508.m4k >>

M4000 - Clipboard
C:\Documents and Settings\RAGONAM\Desktop\W49 BRK 4 032508.txt
03/25/08 05:07 PM

	Nameplate		
Date (MM/DD/YY)	03/25/08	Time	06:01 PM
Company	ConEd		
Location	W49 ST S/S		

Redacted

Exhibit __ (SIIP-1)
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MAXIMO REPORT: EQUIPMENT HISTORY

Station: WEST 49TH ST. **Equipment: BKR-0000326** **W49ST-CIRCUIT BREAKER-4**

RESP AREA	WORK TYPE	WORK NUMBER	STATUS	DESCRIPTION	PRTY	REPORT DATE	REPORTED BY	SUPV	HRS	ACTUAL FINISH

Equipment BREAKER 4
Serial Number 41-39086-1022
Manufacturer ITE
Special ID BUILT 1974
Circuit Designation

Test Conditions

Weather Indoors Air Temperature 15 °C
Humidity 17 % Oil Temperature

Test Results

No	Test ID	L Circ. C Desc.	kV	Meas. mA	Corr. Watts	Corr. %PF	Cap./ Fctr	R %PF	Ind.	T
1	APH(HV LEAD BUSHING#1)	A GND-RB	10.00	1.710	0.059	0.344	1.00	0.344	453.71	pF
2	APH(HV LEAD BUSHING#2)	A GND-RB	10.00	1.712	0.044	0.257	1.00	0.257	454.16	pF
3	BPH(HV LEAD BUSHING#3)	A GND-RB	10.00	1.714	0.035	0.204	1.00	0.204	454.62	pF
4	BPH(HV LEAD BUSHING#4)	A GND-RB	10.00	1.715	0.044	0.259	1.00	0.259	455.01	pF
5	CPH(HV LEAD BUSHING#5)	A GND-RB	10.00	1.718	0.057	0.329	1.00	0.329	455.68	pF
6	CPH(HV LEAD BUSHING#6)	A GND-RB	10.00	1.712	0.044	0.260	1.00	0.260	454.14	pF
7	APH(HV LEAD BUSHING#2)	A UST-R	10.00	1.335	0.037	0.279	1.00	0.279	354.09	pF
8	BPH(HV LEAD BUSHING#4)	A UST-R	10.00	1.345	0.033	0.242	1.00	0.242	356.73	pF
9	CPH(HV LEAD BUSHING#6)	A UST-R	10.00	1.349	0.034	0.252	1.00	0.252	357.75	pF
10	APH(HV LEAD BUSHINGS#1&2)	A GND-RB	10.00	2.212	0.090	0.409	1.00	0.409	586.77	pF
11	BPH(HV LEAD BUSHINGS#3&4)	A GND-RB	10.00	2.213	0.058	0.260	1.00	0.260	587.12	pF
12	CPH(HV LEAD BUSHINGS#5&6)	A GND-RB	10.00	2.213	0.070	0.316	1.00	0.316	587.06	pF

LC (Line Configuration) Parameters:
A = Ref. to 10 kV, Line Frequency Modulation, 60 Hz
B = Ref. to 10 kV, Line Frequency Modulation, 50 Hz
C = Ref. to 10 kV, Line Sync Reversal
D = Actual Values, Line Frequency Modulation, 60 Hz
E = Actual Values, Line Frequency Modulation, 50 Hz
F = Actual Values, Line Sync Reversal

Sheet Note

BREAKER CONTACTS 1,3 &5 ARE CONNECTED TO STATION GROUND SWITCH 34 TEST POINTS.
BREAKER CONTACTS 2,4 &6 ARE CONNECTED TO STATION GROUND SWITCH 36 TEST POINTS.

Redacted

MAXIMO REPORT: EQUIPMENT HISTORY

Station: WEST 49TH ST. **Equipment: BKR-0000326** **W49ST-CIRCUIT BREAKER-4**

RESP AREA	WORK TYPE	WORK NUMBER	STATUS	DESCRIPTION	PRTY	REPORT DATE	REPORTED BY	SUPV	HRS	ACTUAL FINISH
				TESTS 1 THRU 6 PERFORMED WITH BKR. OPEN, BUSHINGS OF PHASES NOT UNDER TEST ARE LEFT FLOATING. TESTS 7,8,9 PERFORMED WITH BKR. OPEN, LV LEAD TO OTHER CONTACT. TEST 10,11,12 PERFORMED WITH BKR. CLOSE AND LV LEAD GRD.						

Air Temperature and Humidity

Test Number	Test Date	Test Time	Air Temp.	Humidity
1	03/25/08	04:41 PM	15 °C	17 %
2	03/25/08	04:25 PM	15 °C	17 %
3	03/25/08	04:36 PM	15 °C	17 %
4	03/25/08	04:20 PM	15 °C	17 %
5	03/25/08	04:32 PM	15 °C	17 %
6	03/25/08	04:12 PM	15 °C	16 %
7	03/25/08	03:50 PM	15 °C	15 %
8	03/25/08	04:00 PM	15 °C	15 %
9	03/25/08	04:06 PM	15 °C	15 %
10	03/25/08	03:41 PM	15 °C	15 %
11	03/25/08	03:17 PM	15 °C	15 %
12	03/25/08	03:24 PM	15 °C	15 %

FACILITY Long Description:	CMP-0	**0007875233**	CLOSE	0500-28 BKR SUMMERIZATION INSP 4	4	2/8/2008	89260	38902	8.0	3/20/2008
FACILITY Long Description:	CMP-0	**0007507675**	CLOSE	0500-17 ANNUAL COMPRESSOR BKR 4	4	10/31/2007	MAXADMIN	38902	0.0	1/8/2008
FACILITY Long Description:	CMP-0	**0007319292**	CLOSE	0500-28 BKR WINTERIZATION INSP 4	4	9/30/2007	MAXADMIN	38902	16.0	11/23/2007

Redacted

Exhibit __ (SIIP-1)
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MAXIMO REPORT: EQUIPMENT HISTORY

Station: WEST 49TH ST. **Equipment: BKR-0000326** **W49ST-CIRCUIT BREAKER-4**

RESP AREA	WORK TYPE	WORK NUMBER	STATUS	DESCRIPTION	PRTY	REPORT DATE	REPORTED BY	SUPV	HRS	ACTUAL FINISH
FACILITY	DT	0007286146	CLOSE	BKR 4 (DT)	4	9/17/2007	86152		98.0	3/28/2008

Long Description: I have discussed the Doble test results with John Isecke and Pat Dilillo. The power factor on some of the Doble tests performed on breaker 4 are higher than expected and they are of concern. However, these power factor tests are still all under 1 percent and the Doble tests results are acceptable. This breaker will need to be monitored and taken out in the fall 2008 to do additional testing.

From: Kraemer, Steven C.
Sent: Friday, April 18, 2008 10:31 PM
To: Loiacono, Frank; dl - PST-MAN-MGMT
Cc: Isecke, John C.; Chu, Donald; Dilillo, Patrick; Urdea, John; Malaj, Halim; Kraemer, Steven C.; Gavioli, Bruce; Vero, Sebastian; Petrosino, Steve; Salony, Robert; Herrera, Francis; Diamond, David J.
Subject: RE: Bkr4 Doble test at W49st

Frank,

I got an email back from Dusty and he is concerned there maybe a bushing problem. I am going to ask for the Doble test to be redone. I would like it to be redone between the AC hipot testing if possible. I would like to be there when it is tested. Please let me know and my cell phone is 917-662-3674.

Steve

From: Loiacono, Frank
Sent: Friday, April 18, 2008 5:56 PM
To: Kraemer, Steven C.; Dilillo, Patrick
Cc: Salony, Robert; Petrosino, Steve; dl - PST-MAN-MGMT; Herrera, Francis; Diamond, David J.
Subject: FW: Bkr4 Doble test at W49st

STEVE & PAT,
BELOW IS THE DOBLE TEST DATA OF BREAKER 4 AT WEST 49TH STREET SUBTATION FOR YOUR REVIEW AND APPROVAL. PLEASE NOTE THAT THE DATE OF THE TEST SHOULD SAY 4/18/2008. THANKS,

Frank Loiacono

From: Herrera, Francis
Sent: Friday, April 18, 2008 5:43 PM
To: Loiacono, Frank
Cc: Herrera, Francis; Diamond, David J.
Subject: Bkr4 Doble test at W49st

Redacted

MAXIMO REPORT: EQUIPMENT HISTORY

Station: WEST 49TH ST. **Equipment: BKR-0000326** **W49ST-CIRCUIT BREAKER-4**

<< File: W49 BKR 4 041608.txt >>

RESP AREA	WORK TYPE	WORK NUMBER	STATUS	DESCRIPTION	PRTY	REPORT DATE	REPORTED BY	SUPV	HRS	ACTUAL FINISH
FACILITY	CMP	**0006895097**	CLOSE	0500-02 DEW POINT TESTING -BKR 4	2	5/1/2007	MAXADMIN	56690	1.5	5/16/2007
Long Description:										
FACILITY	CMP	**0006646780**	CLOSE	0500-28 SUMMERIZATION INSP BKR 4	2	2/28/2007	MAXADMIN	38902	8.0	4/18/2007
Long Description:										
FACILITY	CM	**0006363899**	CLOSE	49 STREET BREAKER #4 REPLACE TEMPERATURE GAUGE AND PROBE	5	12/14/2006	18713		0.0	1/2/2007
Long Description:	**Replaced during the Bkr 5 overhaul with the ABB rep. 100% S.P.**									
FACILITY	CMP	**0006198268**	CLOSE	0500-17 ANNUAL COMPRESSOR BKR 4	2	10/31/2006	MAXADMIN	15085	8.0	2/9/2007
Long Description:										
FACILITY	CMP	**0006179559**	CLOSE	0500-28 BKR WINTERIZATION INSP 4	2	10/31/2006	MAXADMIN	21100	12.0	11/21/2006
Long Description:										
FACILITY	CMP	**0005584980**	CLOSE	0500-02 DEW POINT TESTING -BKR 4	2	5/1/2006	MAXADMIN	21100	2.0	7/6/2006
Long Description:										
FACILITY	CMP	**0005353458**	CLOSE	0500-28 BKR SUMMERIZATION INSP 4	2	2/28/2006	MAXADMIN	21100	0.0	5/8/2006
Long Description:										
FACILITY	CMP	**0000345170**	CLOSE	0500-28 BKR WINTERIZATION INSP 4	2	10/25/2005	PMWOGEN	01748	0.0	2/8/2006
Long Description:										
FACILITY	CMP	**0000345035**	CLOSE	0500-17 ANNUAL COMPRESSOR BKR 4	2	10/25/2005	PMWOGEN	38902	0.0	9/27/2006
Long Description:										
FACILITY	CMP	**0000300972**	CLOSE	0500-28 BKR SUMMERIZATION INSP 4	4	2/25/2005	PMWOGEN	56690	8.0	5/25/2005
Long Description:										
FACILITY	CMP	**0000278920**	CLOSE	0500-28 BKR WINTERIZATION INSP 4	4	10/25/2004	PMWOGEN	86336	8.0	12/17/2004
Long Description:										
FACILITY	CMP	**0000278531**	CLOSE	0500-17 ANNUAL COMPRESSOR BKR 4	4	10/25/2004	PMWOGEN	21100	1.5	7/5/2005
Long Description:										
FACILITY	CMP	**0000252695**	CLOSE	0500-02 DEW POINT TESTING -BKR 4	4	4/25/2004	PMWOGEN	19325	0.8	6/9/2004
Long Description:										

Redacted

MAXIMO REPORT: EQUIPMENT HISTORY

Station: WEST 49TH ST. **Equipment: BKR-0000326** **W49ST-CIRCUIT BREAKER-4**

RESP AREA	WORK TYPE	WORK NUMBER	STATUS	DESCRIPTION	PRTY	REPORT DATE	REPORTED BY	SUPV	HRS	ACTUAL FINISH
FACILITY Long Description:	CMP	**0000245643**	CLOSE	0500-28 BKR SUMMERIZATION INSP 4	4	2/28/2004	PMWOGEN	19325	4.0	4/20/2004
FACILITY Long Description:	CMP	**0000231365**	CLOSE	0500-28 BKR SUMM/WINT INSP 4	2	10/30/2003	PMWOGEN	38902	16.0	12/9/2003
FACILITY Long Description:	CMP	**0000231150**	CLOSE	0500-17 ANNUAL COMPRESSOR BKR 4	2	10/30/2003	PMWOGEN	38902	0.0	12/12/2003
PROTSYS Long Description:	SR	**0000213505**	CLOSE	REPLACE DEFECTIVE HF RELAY ON BKR 4	2	6/26/2003	18934		32.0	7/24/2003
FACILITY Long Description:	CM	**0000212970**	CLOSE	REPLACE DEFECTIVE HF RELAY ON BKR 4	3	6/18/2003	20259	85191	8.0	8/14/2003
FACILITY Long Description:	CM	**0000212932**	CLOSE	CHECK/REPAIR 52B AUX CONTACT	5	6/18/2003	20259	21100	8.0	8/14/2003
FACILITY Long Description:	CM	**0000209395**	CLOSE	W49 - BKR #4 (REPALCE DEFECTIVE TEMP GAUGE	5	5/23/2003	20412	19143	0.0	8/16/2006
FACILITY Long Description:	CMP	**0000206251**	CLOSE	0500-28 BKR SUMM/WINT INSP 4	2	4/29/2003	20412		16.0	5/15/2003
FACILITY Long Description:	CMP	**0000206237**	CLOSE	0500-02 DEW POINT TESTING -BKR 4	2	4/29/2003	20412		0.0	5/15/2003
FACILITY Long Description:	CMP	**0000183608**	CLOSE	0500-17 ANNUAL COMPRESSOR BKR 4	2	10/29/2002	20412		8.0	6/9/2003
FACILITY Long Description:	CMP	**0000183592**	CLOSE	0500-28 BKR SUMM/WINT INSP 4	2	10/29/2002	20412		0.0	11/20/2002
FACILITY Long Description:	CM	**0000181368**	CLOSE	W49 BKR# 4 & BTS (DOBLE TEST) SSM / PST	4	10/24/2002	18934	39043	40.0	4/2/2003
FACILITY Long Description:	CM	**0000174188**	CLOSE	BKR# 4 (DOBLE TEST) SSM / PST	3	9/3/2002	20412	39043	8.0	2/26/2003
FACILITY Long Description:	CMP	**0000160214**	CLOSE	0500-02 DEW POINT TESTING -BKR 4	2	4/30/2002	20412		0.0	4/1/2002

Redacted

MAXIMO REPORT: EQUIPMENT HISTORY

Station: WEST 49TH ST. **Equipment: BKR-0000326** **W49ST-CIRCUIT BREAKER-4**

RESP AREA	WORK TYPE	WORK NUMBER	STATUS	DESCRIPTION	PRTY	REPORT DATE	REPORTED BY	SUPV	HRS	ACTUAL FINISH
FACILITY Long Description:	CMP	**0000158448**	CLOSE	0500-28 BKR SUMM/WINT INSP 4	2	4/22/2002	20259		0.0	5/28/2002
FACILITY Long Description:	CMP	**0000135032**	CLOSE	0500-17 ANNUAL COMPRESSOR BKR 4	9	10/29/2001	20412		2.0	11/19/2001
FACILITY Long Description:	CMP	**0000135014**	CLOSE	0500-28 BKR SUMM/WINT INSP 4	1	10/29/2001	20412		4.0	11/19/2001
FACILITY Long Description:	CM	**0000123442**	CLOSE	BREAKER # 4 REPLACE DEFECTIVE LOW PRESSURE SF6 TEMPERATURE GAGE	5	8/2/2001	39043	21100	0.0	6/29/2005
FACILITY Long Description:	CMP	**0000111694**	CLOSE	0500-28 BKR SUMM/WINT INSP 4	1	5/1/2001	20412		8.0	5/24/2001
FACILITY Long Description:	CMP	**0000100463**	CLOSE	0500-02 DEW POINT TESTING -BKR 4	9	3/1/2001	29132		8.0	3/26/2001
FACILITY Long Description:	CM	**0000092076**	CLOSE	ALARM ON BKR. 4 ON ALARM PANEL	9	12/27/2000	77059		0.0	1/25/2001
FACILITY Long Description:	CM	**0000089553**	CLOSE	RELAY OR SOL. IN BKR. CAB. COMES OUT WHEN BKR. IS OPERATED	9	12/20/2000	77059		16.0	12/21/2000
FACILITY Long Description:	GC	**0000089320**	CLOSE	GAS CALL -CIRCUIT BREAKER 4	2	12/20/2000	19093		0.0	2/10/2003
FACILITY Long Description:	CMP	**0000078941**	CLOSE	0500-02 DEW POINT TESTING -BKR 4	9	11/1/2000	20412		0.0	12/12/2000
FACILITY Long Description:	CMP	**0000078918**	CLOSE	0500-28 BKR SUMM/WINT INSP 4	1	11/1/2000	20412		0.0	11/30/2000
FACILITY Long Description:	CMP	**0000075491**	CLOSE	0500-17 ANNUAL COMPRESSOR BKR 4	9	10/2/2000	20412		8.0	10/17/2000
FACILITY Long Description:	CMP	**0000071224**	CLOSE	0500-02 DEW POINT TESTING -BKR 4	9	8/31/2000	20412		0.0	10/3/2000

Redacted

MAXIMO REPORT: EQUIPMENT HISTORY

Station: WEST 49TH ST. **Equipment: BKR-0000326** **W49ST-CIRCUIT BREAKER-4**

RESP AREA	WORK TYPE	WORK NUMBER	STATUS	DESCRIPTION	PRTY	REPORT DATE	REPORTED BY	SUPV	HRS	ACTUAL FINISH
FACILITY Long Description:	CMP	**0000039610**	CLOSE	0500-28-CIR BKRS WINTERIZATION IN 4	1	11/1/1999	39043		8.0	11/17/1999
FACILITY Long Description:	GC	**0000021900**	CLOSE	W49ST-GAS CALL GCB/ITE MODC 4	1	6/1/1999	13357		0.0	11/1/1999
FACILITY Long Description:	CM	**0000015347**	CLOSE	FIND CAUSE & CORRECT BKR. TRIPPING FREE	9	4/5/1999	19325	20099	391.0	8/24/1999
FACILITY Long Description:	CM	**0000012207**	CLOSE	REPLACE AIR RECEIVER DRAIN VALVE	9	2/19/1999	19325		8.0	10/8/1999
PROTSYS Long Description:	SR	**0000010171**	CLOSE	W49 ST. BKR. 4 SOCCS MM	9	1/23/1999	50900		24.0	9/27/1999
FACILITY Long Description:	CMP	**0000009020**	CLOSE	500-28-CIR BKRS WINTERIZATION IN	1	1/11/1999	20099		0.0	8/19/1999
FACILITY Long Description:	DT	**0000004527**	CLOSE	BKR-0000326 GCB 4	9	12/8/1998	MAXIMO		0.0	12/8/1998

59 total work order(s) having 2534.75 hours.

Redacted

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MAXIMO REPORT: EQUIPMENT HISTORY

Station: E75 ST SUBSTATION **Equipment: BKR-0000466** **E75ST-BKR 200**

RESP AREA	WORK TYPE	WORK NUMBER	STATUS	DESCRIPTION	PRTY	REPORT DATE	REPORTED BY	SUPV	HRS	ACTUAL FINISH
FACILITY	CM	**0008197757**	INPRG	HI/LOW PRESSURE RELAY NOT OPERATING CORRECTLY	5	6/1/2008	86004	16179	0.0	
Long Description:	**hi/low pressure Relay not operating for gas compressor to startup.gas pressure govenor was tapped with a screwdriver and the compressor started to operate.**									
FACILITY	CMP-0	**0008155872**	APPR	0500-02 DEW POINT TESTING -BKR 200	4	5/13/2008	MAXADMIN		0.0	
Long Description:										
FACILITY	CMP-0	**0007873139**	CLOSE	0500-28 SUMMERIZATION INSP BKR 200	4	2/8/2008	89260	13855	8.0	5/16/2008
Long Description:										
FACILITY	CAP	**0007644456**	POUTG	E 75TH BREAKER 200 REPLACEMENT	5	12/7/2007	00458		0.0	
Long Description:										
FACILITY	CM	**0007571971**	CLOSE	CHECK AND REPAIR HEATER ON BKR 200	5	11/24/2007	14201		78.0	11/30/2007
Long Description:										
PROTSYS	TI	**0007571842**	CLOSE	E75 - BREAKER 200 TRIP OUT INVESTIGATION 11/24/2007	5	11/24/2007	01518		6.0	11/24/2007
Long Description:	**Trip outs - At 0337 hours breaker 200 at the East 75th Street Substation opened automatically rendering 138 kV feeders 36252 and 38M34 alive on back feed. Feeder 36252 runs from the Rainey Substation to the East 75th Street Substation. Feeder 38M34 runs between the East 75th Street Substation and the West 110th Street substation. An attempt was made to close Breaker 200 but was unsuccessful. The back feed on 38M34 was cleared de-energizing the feeder at 0342 hours. East 75th Street, West 110 and West 110th #2 are reduced to 3 transformers as 38M33 was previously out of service for scheduled work.**									

	PST FOUND NO TARGETS. FOUND BREAKER TO HEATERS OPEN, CAUSING PRESSURE ISSUES WITH THE DROP IN OUTSIDE TEMPERATURE. SSO TO RESTORE.									
FACILITY	GC	**0007544760**	CLOSE	GAS CALL- BKR 200	4	11/8/2007	88829	88829	0.0	11/8/2007
Long Description:										
FACILITY	CMP-0	**0007319222**	CLOSE	0500-28 BKR WINTERIZATION INSP 200	4	9/30/2007	MAXADMIN	20201	12.0	12/4/2007
Long Description:										
FACILITY	CMP-0	**0007311147**	APPR	0500-17 ANNUAL COMPRESSOR BKR 200	4	9/30/2007	MAXADMIN		0.0	
Long Description:										
PROTSYS	SR	**0007112753**	CLOSE	BKR 200 TRIP INVESTIGATION	5	7/6/2007	87584		16.0	7/6/2007
Long Description:										

Redacted

MAXIMO REPORT: EQUIPMENT HISTORY

Station: E75 ST SUBSTATION **Equipment: BKR-0000466** **E75ST-BKR 200**

RESP AREA	WORK TYPE	WORK NUMBER	STATUS	DESCRIPTION	PRTY	REPORT DATE	REPORTED BY	SUPV	HRS	ACTUAL FINISH
FACILITY Long Description:	CM	**0007111504**	CLOSE	REPLACE GAS COMPRESSOR ALSO CHECK AND REPAIR ALARM FOR BKR 200	5	7/4/2007	14201		40.0	7/18/2007
FACILITY Long Description:	CM	**0007030771**	CLOSE	E75ST-200 REPLACE DEFECTIVE GAS COMPRESSOR	5	6/14/2007	16348		0.0	7/18/2007
PROTSYS Long Description:	SR	**0007024949**	CLOSE	E75 BKR 200 TESTING FOR MTCE	5	6/12/2007	18934		26.0	6/18/2007
FACILITY Long Description:	CMP	**0006882562**	CLOSE	0500-02 DEW POINT TESTING -BKR 200	2	5/1/2007	MAXADMIN	52665	4.0	7/23/2007
FACILITY Long Description:	DT	**0006707156**	CLOSE	BKR 200 (DT)	2	3/14/2007	17080		124.0	6/11/2007
FACILITY Long Description:	CMP	**0006646950**	CLOSE	0500-28 SUMMERIZATION INSP BKR 200	2	2/28/2007	MAXADMIN	20201	1.0	3/29/2007

Redacted

Exhibit __ (SIIP-1)
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MAXIMO REPORT: EQUIPMENT HISTORY

Station: E75 ST SUBSTATION **Equipment: BKR-0000466** **E75ST-BKR 200**

RESP AREA	WORK TYPE	WORK NUMBER	STATUS	DESCRIPTION	PRTY	REPORT DATE	REPORTED BY	SUPV	HRS	ACTUAL FINISH
FACILITY	FM	**0006478910**	CLOSE	BREAKER # 200 - REPAIR VALVE.	5	1/19/2007	18680		5.0	4/9/2007

Long Description: **From: Mullings, Rodney**
Sent: Wednesday, March 21, 2007 12:36 PM
To: Gavioli, Bruce; Petrosino, Steve; Vero, Sebastian
Cc: Cosenzo, Pasquale ; Duffy, Michael J.
Subject: RE: Bkr 200

Sam, we were able to install the new rubber gasket for the closing mechanism and it is holding. The breaker remained in service and is now 100% operational.

Thanks
Rodney

From: Gavioli, Bruce
Sent: Tuesday, March 20, 2007 3:38 PM
To: Petrosino, Steve; Vero, Sebastian
Cc: Mullings, Rodney
Subject: RE: Bkr 200

thanks

From: Petrosino, Steve
Sent: Tuesday, March 20, 2007 3:33 PM
To: Gavioli, Bruce; Vero, Sebastian
Cc: Mullings, Rodney
Subject: RE: Bkr 200

Shooting for Thursday.

From: Gavioli, Bruce
Sent: Tuesday, March 20, 2007 2:12 PM
To: Vero, Sebastian
Cc: Petrosino, Steve; Mullings, Rodney
Subject: RE: Bkr 200

Has this been put to bed?

From: Vero, Sebastian
Sent: Saturday, March 10, 2007 9:03 AM

Redacted

Exhibit __ (SIIP-1)
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MAXIMO REPORT: EQUIPMENT HISTORY

Station: E75 ST SUBSTATION **Equipment: BKR-0000466** **E75ST-BKR 200**

RESP AREA	WORK TYPE	WORK NUMBER	STATUS	DESCRIPTION	PRTY	REPORT DATE	REPORTED BY	SUPV	HRS	ACTUAL FINISH

To: Gavioli, Bruce
Cc: Petrosino, Steve; Mullings, Rodney; Vero, Sebastian
Subject: Bkr 200

Bruce,
I spoke with Rodney last night when he wrapped up the job at E75ST on Bkr 200.
The crews replaced the assembly that houses the control valve, in addition to the valve itself, but leaks were still present.
The next step will be to remove and repair/replace the mechanism behind this assembly. This is a much larger job that would require some preliminary work to set up for it, not something to attempt on a Friday night at 11PM unless absolutely necessary.
Considering the breaker can remain in service (with this device valved off), a decision was made to return the permit, restore the breaker and plan for a fully supported job during a subsequent outage.
We'll look to be ready for this early during the next week.
Please let me know if you have any other suggestions.

Thanks,
Sam

The below is taken from this morning's 24 HOUR Report.

Equipment Off on Emergency - At 1024 hours 138 kV Feeder 38M34, which runs between East 75th Street and West 110th Street Substations, was removed from service off on emergency category 2 to repair an air leak on 138 kV Breaker 200 at the East 75th Street Substation. At 2053 hours repairs were completed and the Breaker and Feeder were restored.

Redacted

MAXIMO REPORT: EQUIPMENT HISTORY

Station: E75 ST SUBSTATION **Equipment: BKR-0000466** **E75ST-BKR 200**

RESP AREA	WORK TYPE	WORK NUMBER	STATUS	DESCRIPTION	PRTY	REPORT DATE	REPORTED BY	SUPV	HRS	ACTUAL FINISH
FACILITY	CM	**0006357538**	CLOSE	AIR COMPRESSOR ON BKR 200 RUNNING EXCESSIVELY DUE TO LEAK	5	12/8/2006	96046	20201	67.0	4/4/2007

Long Description: **From: Mullings, Rodney**
Sent: Wednesday, March 21, 2007 12:36 PM
To: Gavioli, Bruce; Petrosino, Steve; Vero, Sebastian
Cc: Cosenzo, Pasquale ; Duffy, Michael J.
Subject: RE: Bkr 200

Sam, we were able to install the new rubber gasket for the closing mechanism and it is holding. The breaker remained in service and is now 100% operational.

Thanks
Rodney

From: Gavioli, Bruce
Sent: Tuesday, March 20, 2007 3:38 PM
To: Petrosino, Steve; Vero, Sebastian
Cc: Mullings, Rodney
Subject: RE: Bkr 200

thanks

From: Petrosino, Steve
Sent: Tuesday, March 20, 2007 3:33 PM
To: Gavioli, Bruce; Vero, Sebastian
Cc: Mullings, Rodney
Subject: RE: Bkr 200

Shooting for Thursday.

From: Gavioli, Bruce
Sent: Tuesday, March 20, 2007 2:12 PM
To: Vero, Sebastian
Cc: Petrosino, Steve; Mullings, Rodney
Subject: RE: Bkr 200

Has this been put to bed?

From: Vero, Sebastian

Redacted

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MAXIMO REPORT: EQUIPMENT HISTORY

Station: E75 ST SUBSTATION **Equipment: BKR-0000466** **E75ST-BKR 200**

RESP AREA	WORK TYPE	WORK NUMBER	STATUS	DESCRIPTION	PRTY	REPORT DATE	REPORTED BY	SUPV	HRS	ACTUAL FINISH

Sent: Saturday, March 10, 2007 9:03 AM
To: Gavioli, Bruce
Cc: Petrosino, Steve; Mullings, Rodney; Vero, Sebastian
Subject: Bkr 200

Bruce,
I spoke with Rodney last night when he wrapped up the job at E75ST on Bkr 200.
The crews replaced the assembly that houses the control valve, in addition to the valve itself, but leaks were still present.
The next step will be to remove and repair/replace the mechanism behind this assembly. This is a much larger job that would require some preliminary work to set up for it, not something to attempt on a Friday night at 11PM unless absolutely necessary.
Considering the breaker can remain in service (with this device valved off), a decision was made to return the permit, restore the breaker and plan for a fully supported job during a subsequent outage.
We'll look to be ready for this early during the next week.
Please let me know if you have any other suggestions.

Thanks,
Sam

The below is taken from this morning's 24 HOUR Report.

Equipment Off on Emergency - At 1024 hours 138 kV Feeder 38M34, which runs between East 75th Street and West 110th Street Substations, was removed from service off on emergency category 2 to repair an air leak on 138 kV Breaker 200 at the East 75th Street Substation. At 2053 hours repairs were completed and the Breaker and Feeder were restored.

FACILITY Long Description:	CMP	**0006071988**	CLOSE	0500-28 BKR WINTERIZATION INSP 200	2	9/30/2006	MAXADMIN	20201	2.0	12/11/2006
FACILITY Long Description:	CMP	**0005568959**	CLOSE	0500-02 DEW POINT TESTING -BKR 200	2	5/1/2006	MAXADMIN	12192	4.0	6/5/2006
FACILITY Long Description:	CMP	**0005354581**	CLOSE	0500-28 BKR SUMMERIZATION INSP 200	2	2/28/2006	MAXADMIN	20201	16.0	4/28/2006
FACILITY Long Description:	CMP	**0000313874**	CLOSE	0500-02 DEW POINT TESTING -BKR 200	4	5/2/2005	19093	88980	0.0	7/1/2005
FACILITY Long Description:	CMP	**0000300978**	CLOSE	0500-28 BKR SUMMERIZATION INSP 200	4	2/25/2005	PMWOGEN	13855	4.0	4/28/2005
FACILITY Long Description:	CMP	**0000283027**	CLOSE	0500-28 BKR WINTERIZATION INSP 200	4	11/25/2004	PMWOGEN	88980	12.0	3/28/2005

Redacted

MAXIMO REPORT: EQUIPMENT HISTORY

Station: E75 ST SUBSTATION **Equipment: BKR-0000466** **E75ST-BKR 200**

RESP AREA	WORK TYPE	WORK NUMBER	STATUS	DESCRIPTION	PRTY	REPORT DATE	REPORTED BY	SUPV	HRS	ACTUAL FINISH
FACILITY Long Description:	FM	**0000272230**	CLOSE	E75 - BKR 200 (CLEAN ALL PORCELAINS)	5	9/21/2004	20412	16179	16.0	10/13/2004
FACILITY Long Description:	CM	**0000271575**	ZERO	E75 - (BKR 200) CLEAN BUSHINGS	5	9/13/2004	20412	12192	0.0	2/3/2005
FACILITY Long Description:	CMP	**0000253010**	CLOSE	0500-02 DEW POINT TESTING -BKR 200	4	4/25/2004	PMWOGEN	20201	6.0	5/27/2004
FACILITY Long Description:	CMP	**0000245648**	CLOSE	0500-28 BKR SUMMERIZATION INSP 200	4	2/28/2004	PMWOGEN	20201	10.0	5/27/2004
FACILITY Long Description:	CMP	**0000234133**	CLOSE	0500-28 BKR SUMM/WINT INSP 200	5	11/25/2003	PMWOGEN	19325	8.0	12/17/2003
FACILITY	CM	**0000214771**	CLOSE	BREAKER 200 O/A WHILE THE RESTORING PILOT WIRE #2 ASSOCIATED WITH 36252	3	7/2/2003	72593	72593	0.0	7/2/2003
FACILITY Long Description:	CMP	**0000210316**	CLOSE	0500-28 BKR SUMM/WINT INSP 200	2	5/29/2003	20412	20259	0.0	12/29/2003
FACILITY Long Description:	CMP	**0000206039**	CLOSE	0500-02 DEW POINT TESTING -BKR 200	2	4/29/2003	20412	20412	0.0	7/16/2003

Long Description: **E75 ST SUBSTATION**
Event Type Description Start Date End Date Contact
MISC. Breaker 200 O/A. 07/01/2003 21:50 07/01/2003 22:25 Shift Mgr
Status Date Note
07/01/2003 21:50 Breaker 200 O/A while the restoring Pilot Wire #2 associated with 36252. Crossover valve #2 closed.
07/01/2003 22:10 Crossover valve #2 opened. Alpha page sent.
07/01/2003 22:25 Breaker 200 restored.

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MAXIMO REPORT: EQUIPMENT HISTORY

Station: E75 ST SUBSTATION **Equipment: BKR-0000466** **E75ST-BKR 200**

RESP AREA	WORK TYPE	WORK NUMBER	STATUS	DESCRIPTION	PRTY	REPORT DATE	REPORTED BY	SUPV	HRS	ACTUAL FINISH
FACILITY	CM	**0000195634**	CLOSE	E75 ST (REPAIR BKR 200 BUSHINGS ARCHING OVER)	2	2/3/2003	20412	88980	15.0	2/1/2003

Long Description: **STATION: E75 ST**
CURRENT
SCHEDULED PROJECTED
EQUIPMENT TYPE REASON OOS DATE RETURN RETURN DATE
BKR.200 OOE#1 2/1/03 8:05 2/5/03 15:00
DISCREPANCY Arcing bushings
STATUS AS OF 2/4/03
08:00 Wp picked up by SSM for contractors apply kemper seal on Secondary Bus run.
14:30 Wp returned complete BY SSM holding for contractor on kemper seal on Secondary Bus run.
23:39 Bkr. 200 and Fdr.38M34 were restored to service
CONTACT PERSON:

FACILITY Long Description:	CM	**0000193788**	CLOSE	BKR 200 (CHANGE CLOSING AIR VALVE COIL)	3	1/17/2003	20412	88980	38.0	2/3/2003
FACILITY Long Description:	CM	**0000189643**	CLOSE	BRK 200 CLOSE NOT WORKING	5	12/13/2002	03177	88980	6.0	1/16/2003
FACILITY Long Description:	CMP	**0000186584**	CLOSE	0500-28 BKR SUMM/WINT INSP 200	2	11/22/2002	20412		0.0	1/23/2003
FACILITY Long Description:	CM	**0000169003**	CLOSE	BKR 200 (REPAIR AIR LEAK)	3	7/19/2002	20412	88980	42.0	2/3/2003
FACILITY Long Description:	CMP	**0000163158**	CLOSE	0500-28 BKR SUMM/WINT INSP 200	2	5/30/2002	20412		8.0	10/24/2002
FACILITY Long Description:	CMP	**0000160055**	CLOSE	0500-02 DEW POINT TESTING -BKR 200	2	4/30/2002	20412		0.0	8/20/2002
FACILITY Long Description:	CMP	**0000138477**	CLOSE	0500-28 BKR SUMM/WINT INSPR 200	1	11/28/2001	20412		8.0	12/31/2001
FACILITY Long Description:	CMP	**0000114757**	CLOSE	0500-28 BKR SUMM/WINT INSPR 200	1	5/31/2001	20412		0.0	6/6/2001
FACILITY Long Description:	CMP	**0000111317**	CLOSE	0500-02 DEW POINT TESTING -BKR 200	1	4/30/2001	20412		0.0	6/14/2001

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MAXIMO REPORT: EQUIPMENT HISTORY

Station: E75 ST SUBSTATION **Equipment: BKR-0000466** **E75ST-BKR 200**

RESP AREA	WORK TYPE	WORK NUMBER	STATUS	DESCRIPTION	PRTY	REPORT DATE	REPORTED BY	SUPV	HRS	ACTUAL FINISH
FACILITY Long Description:	CMP	**0000100203**	CLOSE	0500-02 DEW POINT TESTING -BKR 200	1	3/1/2001	29132		0.0	3/30/2001
FACILITY Long Description:	GC	**0000105283**	CLOSE	GAS CALL-CIRCUIT BKR 200	2	1/1/2001	89260		0.0	2/10/2003
FACILITY Long Description:	CM	**0000085857**	CLOSE	CLEAN ALL BUSHINGS FOR BKR 200	9	11/29/2000	20412		12.0	12/26/2000
FACILITY Long Description:	CMP	**0000062851**	CLOSE	0500-28 BKR SUMM/WINT INSPR 200	1	6/1/2000	20412		0.0	11/29/2000
FACILITY Long Description:	CMP	**0000062850**	CLOSE	0500-02 DEW POINT TESTING -BKR 200	1	6/1/2000	20412		0.0	12/6/2000
FACILITY Long Description:	CMP	**0000052387**	CLOSE	0500-02 SF6 DEWPOINTS	1	3/1/2000	20412		0.0	2/17/2000
FACILITY Long Description:	CMP	**0000050650**	CLOSE	BKR # 200 DEW POINT READINGS QUARTERLEY	9	2/21/2000	19325	88980	2.0	2/17/2000
FACILITY Long Description:	CMP	**0000043693**	CLOSE	0500-02-SF6 DEWPOINTS	1	12/6/1999	20412		0.0	12/18/1999
FACILITY Long Description:	CMP	**0000043692**	CLOSE	0500-28-CIR BKRS WINTERIZATION IN	1	12/6/1999	20412		0.0	2/3/2000
FACILITY Long Description:	CM	**0000033720**	CLOSE	RUN TEMP. 125V DC NEG. WIRE TO ELIMINATE - 5MIL GRD.	9	9/15/1999	19325	88980	46.0	11/4/1999
FACILITY Long Description:	CMP	**0000031961**	CLOSE	500-02-SF6 DEWPOINTS	1	9/1/1999	20412		0.0	10/16/1999
FACILITY Long Description:	CMP	**0000021761**	CLOSE	500-02-SF6 DEWPOINTS	1	6/1/1999	88980		0.0	7/15/1999
FACILITY Long Description:	CMP	**0000017814**	CLOSE	500-02-SF6 DEWPOINTS	1	5/4/1999	88980		0.0	4/25/1999

55 total work order(s) having 642 hours.

Redacted

MAXIMO REPORT: EQUIPMENT HISTORY

Station: RAMAPO 345KV **Equipment: BKR-0000617** **RAMAPO-CIRCUIT BREAKER-W-72-2Y**

RESP AREA	WORK TYPE	WORK NUMBER	STATUS	DESCRIPTION	PRTY	REPORT DATE	REPORTED BY	SUPV	HRS	ACTUAL FINISH
FACILITY Long Description:	CMP-0	**0007860491**	COMP	0500-28 BKR SUMMERIZATION INSP W-72-2Y	4	2/8/2008	89260	15477	3.0	5/19/2008
FACILITY Long Description:	RET	**0007464060**	POUTG	BKR W-72-2Y - BREAKER REPLACEMENT - RETIREMENT PORTION	5	10/24/2007	19093		0.0	
FACILITY Long Description:	CMP-0	**0007313155**	CLOSE	0500-28 BKR WINTERIZATION INSP W-72-2Y	4	9/30/2007	MAXADMIN	16108	2.0	11/9/2007
FACILITY Long Description:	CMP	**0006598478**	CLOSE	0500-28 BKR SUMMERIZATION INSP W-72-2Y	2	2/28/2007	MAXADMIN	15477	2.0	4/26/2007
FACILITY Long Description:	CM	**0006163350**	CLOSE	T/S BREAKER W-72-2Y TRIPPING FREE	1	10/18/2006	15477		141.5	10/19/2006
FACILITY Long Description:	CAP	**0006161981**	POUTG	RAMAPO-W-72-2Y	5	10/17/2006	18727		0.0	
FACILITY Long Description: **REPAIR HYDRAULIC SYSTEM, WATER AND AIR IN SYSTEM CAUSED B PHASE TO OPERATE SLOWER, DISAGREEMENT. HYDRAULIC HOSE ON B PHASE NEEDS REPLACEMENT**	CM	**0006157412**	CLOSE	REPAIR HYDRAULIC SYSTEM BKR. W-72-2Y (FX22D)	1	10/15/2006	20417	75400	51.0	10/17/2006
FACILITY Long Description:	CMP	**0006104466**	CLOSE	0500-28 BKR WINTERIZATION INSP W-72-2Y	2	9/30/2006	MAXADMIN	16108	4.0	12/8/2006
FACILITY Long Description:	ENVLK	**0005721989**	POUTG	BKR W-72-2Y LEAKSE ON THE HYDRAULIC SYSTEM	5	6/3/2006	96080	01150	0.0	
FACILITY Long Description:	CMP	**0005317432**	CLOSE	0500-28 BKR SUMMERIZATION INSP W-72-2Y	2	2/28/2006	MAXADMIN	15477	1.8	5/22/2006
CONST Long Description: **EI to oversee scope of work.**	CAP	**0005199246**	CLOSE	RAMAPO- TRIP COIL MOD'S W-72-2Y BATT RM - ECB	5	1/31/2006	80629	80629	0.0	3/28/2008
FACILITY Long Description:	CMP	**0000300982**	CLOSE	0500-28 BKR SUMMERIZATION INSP W-72-2Y	4	2/25/2005	PMWOGEN	15477	1.5	5/15/2005
FACILITY Long Description:	CMP	**0000278818**	CLOSE	0500-17 ANNUAL COMPRESSOR BKR W-72-2Y	4	10/25/2004	PMWOGEN	56751	0.0	12/5/2005

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MAXIMO REPORT: EQUIPMENT HISTORY

Station: RAMAPO 345KV **Equipment: BKR-0000617** **RAMAPO-CIRCUIT BREAKER-W-72-2Y**

RESP AREA	WORK TYPE	WORK NUMBER	STATUS	DESCRIPTION	PRTY	REPORT DATE	REPORTED BY	SUPV	HRS	ACTUAL FINISH
FACILITY	CMP	**0000274336**	CLOSE	0500-28 BKR WINTERIZATION INSP W-72-2Y	4	9/25/2004	PMWOGEN	15477	2.0	10/17/2004
Long Description:										
FACILITY	INFO	**0000272006**	CLOSE	REPAIR OR REPLACE DEFECTIVE ACCLIMATIC VALVE	5	9/17/2004	72593		0.0	9/17/2004

Long Description: **RAMAPO 345KV**
Event Type Description Start Date End Date Contact
MISC. Bkr T1500-w-72-2 and D/S T-W-72-3 open auto 09/17/2004 00:40 09/17/2004 11:06 Shiftmanager
Status Date Note
09/17/2004 00:40 Bkr# T1500-W-72-2 & D/S T-W-72-3 open auto
09/17/2004 02:15 Station Operator reported that T1500-W-72-2,ATB Bkr#7, tripped on low pressure. Low pressure reading 340 PSI trips @ 400 PSI and normal pressure is 500 PSI. High pressure is @ 1950 PSI. Air reduction valve coil is burnt and stuck in the closed POS.
09/17/2004 02:30 Notified Field Superv. and SSM is in route.
09/17/2004 02:40 Alpha Page sent
09/17/2004 03:15 Breaker and Disc Sws TW72-3 and T1500-3 blocked open
09/17/2004 04:30 Work Permit issued to SSM to repair breaker.
09/17/2004 09:57 Work Permit Returned complet by SSM to repair breaker,SSM replaced acclimatic valve.
09/17/2004 11:06 Bkr T-1500-W-72 Restored to service.
RAMAPO 345KV

Equipment Name Voltage Outage
Type OOS Date Projected
Restoration Actual
Restoration Outage Work
Description Contact
RAMAPO-CIRCUIT BREAKER T-1500-W-72-2 345 kv OA 09/17/2004 00:46 SSO - REPAIR OR REPLACE DEFECTIVE ACCLIMATIC VALVE
Outage Step Step Start Step End Work Description Work Location Comments
Working 09/17/2004 15:08 REPAIR OR REPLACE DEFECTIVE ACCLIMATIC VALVE RAMAPO
Status Date Note
09/17/2004 05:59 See Substation Event.

FACILITY	CMP	**0000245651**	CLOSE	0500-28 BKR SUMMERIZATION INSP W-72-2Y	4	2/28/2004	PMWOGEN	15477	0.5	5/16/2004
Long Description:										

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MAXIMO REPORT: EQUIPMENT HISTORY

Station: RAMAPO 345KV **Equipment: BKR-0000617** **RAMAPO-CIRCUIT BREAKER-W-72-2Y**

RESP AREA	WORK TYPE	WORK NUMBER	STATUS	DESCRIPTION	PRTY	REPORT DATE	REPORTED BY	SUPV	HRS	ACTUAL FINISH
FACILITY	INFO	**0000236006**	CLOSE	HIGH MICRO OHM READING ON 'C' PHASERAMAPO-CIRCUIT BREAKER-W-72-2Y	5	12/9/2003	72593		0.0	12/9/2003

Long Description: **RAMAPO 345KV**

Equipment Name Voltage Outage
Type OOS Date Projected
Restoration Actual
Restoration Outage Work
Description Contact
RAMAPO-CIRCUIT BREAKER-W-72-2Y 345 kv OOE2 12/08/2003 09:13 12/08/2003 16:00 12/08/2003 15:32 SSO: VENDOR TO INVEST. HIGH MICRO OHM READING ON 'C' PHASE
Outage Step Step Start Step End Work Description Work Location Comments
No Steps Defined for Date Range Specified.
Status Date Note
12/08/2003 14:19 WP sign off complete.
12/08/2003 15:30 Breaker prepared for service.
12/08/2003 15:32 Breaker restored.

FACILITY Long Description:	CM	**0000232175**	CLOSE	W-72-2Y CONTROL CABINET CLIXON NG	5	11/11/2003	15477	01150	55.0	2/12/2007
FACILITY Long Description:	CMP	**0000225737**	CLOSE	0500-28 BKR SUMM/WINT INSP W-72-2Y	4	9/29/2003	14180	15477	0.8	11/9/2003
PROTSYS Long Description:	SR	**0000216617**	CLOSE	W72 TRIPOUT INVESTIGATION (PART2)	2	7/17/2003	43414		143.0	10/6/2003
FACILITY Long Description:	DT	**0000205657**	CLOSE	BKR- W-72-2Y (DT)	2	4/25/2003	39418		226.0	12/12/2003
FACILITY Long Description:	CMP	**0000203712**	CLOSE	0500-28 BKR SUMM/WINT INSP W-72-2Y	2	4/1/2003	19093		0.5	4/30/2003
FACILITY Long Description:	GC	**0000181905**	CLOSE	GAS CALL ACB/ATB7AY W-72-2Y	2	10/25/2002	19093		0.0	1/6/2003
FACILITY Long Description:	CMP	**0000178353**	CLOSE	0500-28 BKR SUMM/WINT INSP W-72-2Y	2	10/1/2002	19093		1.0	2/3/2003
FACILITY Long Description:	CMP	**0000153575**	CLOSE	0500-28 BKR SUMM/WINT INSP W-72-2Y	2	3/19/2002	15477		0.8	4/20/2002

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MAXIMO REPORT: EQUIPMENT HISTORY

Station: RAMAPO 345KV **Equipment: BKR-0000617** **RAMAPO-CIRCUIT BREAKER-W-72-2Y**

RESP AREA	WORK TYPE	WORK NUMBER	STATUS	DESCRIPTION	PRTY	REPORT DATE	REPORTED BY	SUPV	HRS	ACTUAL FINISH
FACILITY	CM	**0000146106**	CLOSE	BKR W72-2 - REPAIR HYDRAULIC LEAKS ON BREAKER	2	1/25/2002	19093		11.0	8/6/2002
Long Description:										
FACILITY	CMP	**0000129833**	CLOSE	0500-28 BKR SUMM/WINT INSP W-72-2Y	1	9/27/2001	19093		0.8	10/21/2001
Long Description:										
FACILITY	CMP	**0000110463**	CLOSE	0500-28 BKR SUMM/WINT INSP W-72-2Y	1	4/25/2001	19093		0.0	6/22/2001
Long Description:										
FACILITY	GC	**0000089097**	CLOSE	GAS CALL ACB/ATB7AY W-72-2Y	2	12/20/2000	19093		7.5	2/28/2003
Long Description:										
FACILITY	CMP	**0000077042**	CLOSE	0500-28 BKR SUMM/WINT INSP W-72-2Y	1	10/12/2000	19093		0.0	11/16/2000
Long Description:										
FACILITY	CM	**0000068485**	CLOSE	REPAIR SAFETY ON COMPRESSOR	9	7/31/2000	19093	01150	10.0	7/28/2000
Long Description:										
FACILITY	CMP	**0000063980**	CLOSE	0500-02 DEW POINT TESTING -BKR W-72-2Y	9	6/12/2000	19093		0.0	7/17/2000
Long Description:										
FACILITY	CMP	**0000049638**	CLOSE	0500-02 CIR BKR - W-72-2Y - DEW POINT TEST	9	2/7/2000	19093		0.0	3/30/2000
Long Description:										
FACILITY	CMP	**0000038644**	CLOSE	0500-28-CIR BKRS WINTERIZATION - BKR W-72-2Y	1	10/21/1999	19093	46553	0.0	11/30/1999
Long Description:										
FACILITY	GC	**0000022244**	CLOSE	RAMAPO-GAS CALL ACB/ATB7AY W-72-2Y	1	6/4/1999	19093	46553	0.0	12/24/2000
Long Description:										
FACILITY	CMP	**0000020697**	CLOSE	500-28-CIR BKRS WINTERIZATION IN	1	5/26/1999	98219		0.0	5/26/1999
Long Description:										
FACILITY	CM	**0000009342**	CLOSE	REPAIR BREAKER HYDRAULIC MECHANISM(W-72-2Y)	9	1/13/1999	54992		277.0	2/16/1999
Long Description: **HYDRAULIC FLUID CONTAMINATED**										
FACILITY	CM	**0000007504**	CLOSE	REPAIR BREAKER CLOSING COIL -W-72-2Y	9	1/5/1999	54992		309.0	1/13/1999
Long Description: **start date 12/19/98** **end date 1/3/99** **Hrydraulic pistons changed out. Scoured due to ice and water in hrydraulic fluid see wo 9342**										

Redacted

MAXIMO REPORT: EQUIPMENT HISTORY

Station: RAMAPO 345KV **Equipment: BKR-0000617** **RAMAPO-CIRCUIT BREAKER-W-72-2Y**

RESP AREA	WORK TYPE	WORK NUMBER	STATUS	DESCRIPTION	PRTY	REPORT DATE	REPORTED BY	SUPV	HRS	ACTUAL FINISH
FACILITY	CM	**0000007366**	CLOSE	BKR W-72-2Y- CHECK BKR OPERATION	9	1/4/1999	54992		8.0	4/16/1999
Long Description:										

39 total work order(s) having 1259.5 hours.

Redacted

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MAXIMO REPORT: EQUIPMENT HISTORY

Station: PLEASANT VALLEY 345 **Equipment: BKR-0000912** **PV 345 BKR RNS5**

RESP AREA	WORK TYPE	WORK NUMBER	STATUS	DESCRIPTION	PRTY	REPORT DATE	REPORTED BY	SUPV	HRS	ACTUAL FINISH
FACILITY Long Description:	CMP-0	**0007858363**	COMP	0500-28 SUMMERIZATION INSP BKR RNS5	4	2/8/2008	89260	15477	2.0	5/15/2008
FACILITY Long Description:	CMP-0	**0007308422**	CLOSE	0500-28 BKR WINTERIZATION INSP RNS5	4	9/30/2007	MAXADMIN	15477	2.0	11/1/2007
FACILITY Long Description:	CMP	**0007156128**	CLOSE	0500-02 DEW POINT TESTING -BKR RNS5	4	7/31/2007	MAXADMIN	56751	0.0	10/4/2007
FACILITY Long Description:	CMP-0	**0007155183**	COMP	0500-17 ANNUAL COMPRESSOR BKR RNS5	4	7/31/2007	MAXADMIN	56751	8.0	5/16/2008
FACILITY Long Description:	OH	**0007037163**	POUTG	BKR RNS5 (OH)	4	6/19/2007	19093		0.0	
FACILITY Long Description:	HSREP	**0006945335**	CLOSE	PLEASANT VALLEY - 345 BREAKER RNS5 CT TANKS A & C HOTSPOT 20.9 DEGREES	5	5/22/2007	39418		76.0	6/25/2007
FACILITY Long Description:	CMP	**0006593506**	CLOSE	0500-28 SUMMERIZATION INSP BKR RNS5	2	2/28/2007	MAXADMIN	15477	2.0	5/10/2007
FACILITY Long Description:	CM	**0006470895**	CLOSE	REPAIR GAS LEAK FROM U SHAPED TUBING ON MANIFOLD	3	1/18/2007	15477		20.0	2/16/2007
FACILITY Long Description:	GC	**0006357602**	CLOSE	GAS CALL- BKR RNS5	2	12/8/2006	70286	70286	4.0	12/8/2006
FACILITY Long Description:	CMP	**0006103565**	CLOSE	0500-28 BKR WINTERIZATION INSP RNS5	2	9/30/2006	MAXADMIN	03268	0.0	11/2/2006
FACILITY Long Description:	CMP	**0005885349**	CLOSE	0500-02 DEW POINT TESTING -BKR RNS5	2	7/31/2006	MAXADMIN	70286	0.0	1/31/2007
FACILITY Long Description:	CMP	**0005881095**	CLOSE	0500-17 ANNUAL COMPRESSOR BKR RNS5	2	7/31/2006	MAXADMIN	56751	0.0	7/12/2007
FACILITY Long Description:	CMP	**0005315932**	CLOSE	0500-28 BKR SUMMERIZATION INSP RNS5	2	2/28/2006	MAXADMIN	15477	1.8	6/9/2006

Redacted

MAXIMO REPORT: EQUIPMENT HISTORY

Station: PLEASANT VALLEY 345 **Equipment: BKR-0000912** **PV 345 BKR RNS5**

RESP AREA	WORK TYPE	WORK NUMBER	STATUS	DESCRIPTION	PRTY	REPORT DATE	REPORTED BY	SUPV	HRS	ACTUAL FINISH
FACILITY Long Description:	GC	**0005304407**	CLOSE	GAS CALL- BKR RNS5	2	2/23/2006	03268	03268	0.0	2/23/2006
FACILITY Long Description:	CMP	**0000341037**	CLOSE	0500-28 BKR WINTERIZATION INSP RNS5	2	9/25/2005	PMWOGEN	82577	1.0	12/5/2005
FACILITY Long Description:	CMP	**0000328495**	CLOSE	0500-17 ANNUAL COMPRESSOR BKR RNS5	2	7/25/2005	PMWOGEN	70286	0.0	8/4/2006
FACILITY Long Description:	CMP	**0000328444**	CLOSE	0500-02 DEW POINT TESTING -BKR RNS5	2	7/25/2005	PMWOGEN	49112	1.0	7/29/2005
FACILITY Long Description:	CM	**0000315053**	CLOSE	CT DELIVERY	3	5/11/2005	14180	58712	77.0	9/16/2005
FACILITY Long Description:	CMP	**0000300840**	CLOSE	0500-28 BKR SUMMERIZATION INSP RNS5	4	2/25/2005	PMWOGEN	15477	1.5	5/8/2005
FACILITY Long Description:	CMP	**0000274256**	CLOSE	0500-28 BKR WINTERIZATION INSP RNS5	4	9/25/2004	PMWOGEN	15477	1.0	10/16/2004

Redacted

MAXIMO REPORT: EQUIPMENT HISTORY

Station: PLEASANT VALLEY 345 **Equipment: BKR-0000912** **PV 345 BKR RNS5**

RESP AREA	WORK TYPE	WORK NUMBER	STATUS	DESCRIPTION	PRTY	REPORT DATE	REPORTED BY	SUPV	HRS	ACTUAL FINISH
AUXSUP	HPOT	**0000271911**	CLOSE	PVALLEY- BKR RNS5- HIPOT AFTER FAILURE B PHASE	1	9/16/2004	49436	49436	58.0	9/17/2004

Long Description: **DC Proof Test Data**

Location Of Test: Pl. Valley Equip. Bkr RNS5 Date: 9/17/2004 Starting Time:

Voltage Applied: 475kv dc Duration of Test: 5 min's Station Set/Truck # V1 Performed By: Call

Test OK: yes Test Failed: Surged: End Time:

TEST DATA : B Phase Only
ELAPSED TIME DC KILOVOLTS MILLIAMPS Remarks: as per EI-100414
0 sec. 475 kv 1.3 ma set leakage = .3 ma
15 sec. 475 kv 1.3 ma
30 sec. 475 kv 1.3 ma
45 sec. 475 kv 1.3 ma
1 min. 475 kv 1.3 ma
2 min. 475 kv 1.3 ma
3 min. 475 kv 1.3 ma
4 min. 475 kv 1.3 ma
5 min. 475 kv 1.3 ma

Redacted

MAXIMO REPORT: EQUIPMENT HISTORY

Station: PLEASANT VALLEY 345 **Equipment: BKR-0000912** **PV 345 BKR RNS5**

RESP AREA	WORK TYPE	WORK NUMBER	STATUS	DESCRIPTION	PRTY	REPORT DATE	REPORTED BY	SUPV	HRS	ACTUAL FINISH
FACILITY	INFO	**0000271557**	CLOSE	REPAIR B PHASE INTERRUPTER.	5	9/13/2004	72593		0.0	9/13/2004

Long Description: **PLEASANT VALLEY 345**

Equipment Name Voltage Outage
Type OOS Date Projected
Restoration Actual
Restoration Outage Work
Description Contact
PV 345 BKR RNS5 345 kv OOE1 09/10/2004 23:57 CHECK CAUSE OF BREAKER FIRE
Outage Step Step Start Step End Work Description Work Location Comments
Apply Protection 09/11/2004 04:00 Repair B phase interrupter. Pleasant Valley Engineering to evaluate in AM.
Status Date Note
09/10/2004 23:57 Bkr RNS5 C/O OOE1 due to failure of "B" phase interupter head
09/11/2004 00:12 ERG, Safety and Environmental personnel enroute.
09/11/2004 00:14 Operator report Fire and Police Departments on site. White Hat assumed by Operator McManus. Reports of B phase smoking and hole on interrupter. Breaker released SF6 gas on B phase.
09/11/2004 00:20 Bkr RS5 recalled
09/11/2004 00:26 Alpha Page sent. C.I.G. and area supervision notified.
09/11/2004 00:35 Bkr RS5 C/I
09/11/2004 01:37 ERG assigned White Hat. He reports operator taken to St. Francis Hospital for testing. Operator complained of source throat (Possible exposure to HF). Police and Fire Department notified of the same.
09/11/2004 01:40 Chemlab dispatched for HF testing.
09/11/2004 03:20 Safety reports operator was release from hospital. All test checked OK.
09/11/2004 05:00 Chem Lab in Station
09/11/2004 05:30 Chem Lab. out of station , no HF found on blue stones and breaker pad
09/11/2004 06:15 Bkr#RNS5 isolated and grounded. Back up timers removed and reclosure switches off
09/11/2004 07:30 Ordered Breathable, Grade D, air tanker, a 35 ton crane with operator, and a flat bed truck to transport a gas reclaimer cart from East Fishkill S/S to Pleasant Valley S/S, from Emergency Transportation.
09/11/2004 14:00 Station Superv. requested Fdr#92 removed from service for clearance outage
09/11/2004 14:48 Work Permit issued to SSM to do after fault repairs
09/11/2004 14:50 Air Tanker in station
09/11/2004 14:55 Gas Reclaimer Cart in station
09/11/2004 15:45 35 ton crane in station
09/11/2004 16:34 Work Permit issued to SSM to connect gas reclaimer cart
09/11/2004 20:50 Work Permit completed by SSM
09/11/2004 21:44 Work Permit return not complete on the after fault repairs
09/11/2004 22:43 Work Permit issued to SSM to apply static leads to Bkr# RNS5
09/12/2004 07:20 Feeder 92 isolated and grounded
09/12/2004 07:30 Work Permit issued to SSM to do after fault repairs, remove rigid bus between Bkr#RNS5 and D/S NS5N A,B,& C phases, and isolate B phase C/T
09/12/2004 12:10 Work Permit return not complete by SSM after fault repairs. Rigid bus is removed and B phase C/T is isolated
09/12/2004 13:30 Station Superv. reports that cribbing is needed to level the 35 ton crane and the cribbing will be in the station on Monday 9/13 in the AM

Redacted

MAXIMO REPORT: EQUIPMENT HISTORY

Station: PLEASANT VALLEY 345 **Equipment: BKR-0000912** **PV 345 BKR RNS5**

RESP AREA	WORK TYPE	WORK NUMBER	STATUS	DESCRIPTION	PRTY	REPORT DATE	REPORTED BY	SUPV	HRS	ACTUAL FINISH
				09/12/2004 14:30 Work Permit issued to SSM to slow close Bkr# RNS5 09/12/2004 16:50 Work Permit return not complete by SSM ,slow close Bkr RNS5, found mechanical indication linkage hung up and the indicator is between open and close 09/13/2004 10:00 Work permit issued to MTCE for after fault repairs on Bkr. RNS5. Also assist crane Op. to install new base plates under crane. 09/13/2004 11:00 MTCE using air in B phase head to purge any residual Sf6. Chem lab to resam						
FACILITY	EM	0000271471	CLOSE	CIRCUIT BREAKER RNS-5 B PHASEFAILURE	1	9/11/2004	98397	98397	466.0	9/22/2004
Long Description:				while switchingout circuit breaker rs5 for seheduled work breaker rns5 b phase faulted.						
FACILITY	INFO	0000266343	CLOSE	BKR RNS5 OPEN AUTO	5	8/2/2004	72593		0.0	8/2/2004
Long Description:				PLEASANT VALLEY 345 Event Type Description Start Date End Date Contact MISC. Bkr RNS5 Open Auto 07/30/2004 18:34 08/01/2004 15:00 SHIFT MGR Status Date Note 07/30/2004 18:34 Bkr RNS5 open/auto, Field supervisor was notified, an operator and SSM were dispatched. 07/30/2004 18:40 Alpha page notification was sent. 07/30/2004 20:00 Operator and SSOM in station. Oper reports no targets and all pressures are normal. 07/31/2004 01:08 Station operator reports gas system high pressure compressor overload relay was reset and cut in settings were adjusted. Note: Disc Sw. NS5S "B" phase on the breaker side hot spot readings to be taken, due to blade not sitting all the way to the back of the jaw. 07/31/2004 02:51 Bkr RNS5 open/auto, Field supervisor was notified, an operator and SSM were dispatched 07/31/2004 03:06 Alpha page notification was sent. 07/31/2004 04:25 Operator and SSOM in station. 07/31/2004 05:15 Wp was issued to SSM check and repair Bkr. RNS5 07/31/2004 07:10 SSOM tabled W/P. 07/31/2004 10:52 Oper reported, W/P was issued to SSOM to perform drop checks, operational checks, and repair. 07/31/2004 14:54 Oper reported, SSOM returned W/P complete on bkr RNS5. D/S NS5S B-phase, bkr side, doesn't close. 07/31/2004 15:20 Dispatched FS to station. 07/31/2004 15:46 Ordered 60' manlift from Emergency Transportation. 07/31/2004 16:20 Bleakly reported, manlift will be delivered ~1900. 07/31/2004 19:06 Operator reports Bleakly manlift delivered. 07/31/2004 19:06 Bkr RS5 removed form service for clearance outage. 07/31/2004 20:34 WP Issued to SSOM check and repair Disc Sw NS5S. ABC phase. 08/01/2004 04:55 Operator reports Micro Ohm of Disc in progress. 08/01/2004 06:15 SSOM returned W/P complete. 08/01/2004 08:15 D/S NS5S was prepared for service. 08/01/2004 08:40 Oper reported, bkr RNS5 and D/S NS5S were restored to service. 08/01/2004 09:00 Oper reported bkr RNS5 gas compressor kept cutting in at 240 psi and cutting out at 260 psi in every 15 minute interval. 08/01/2004 12:04 Oper reported SSOM requested to cycle RNS5. Bkr was cut out at 11:51 and cut in at 11:53. SSOM is checking for problem. 08/01/2004 15:00 Oper reported, SSOM checked, monitored and found that bkr gas pressure is holding and normal.						
FACILITY	CMP	0000264465	CLOSE	0500-02 DEW POINT TESTING -BKR RNS5	4	7/25/2004	PMWOGEN	99294	2.0	8/31/2004
Long Description:										

Redacted

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MAXIMO REPORT: EQUIPMENT HISTORY

Station: PLEASANT VALLEY 345 **Equipment: BKR-0000912** **PV 345 BKR RNS5**

RESP AREA	WORK TYPE	WORK NUMBER	STATUS	DESCRIPTION	PRTY	REPORT DATE	REPORTED BY	SUPV	HRS	ACTUAL FINISH
FACILITY Long Description:	CMP	**0000245514**	CLOSE	0500-28 BKR SUMMERIZATION INSP RNS5	4	2/28/2004	PMWOGEN	15477	0.0	5/16/2004
FACILITY Long Description:	CMP	**0000234025**	CLOSE	0500-02 DEW POINT TESTING -BKR RNS5	2	11/25/2003	PMWOGEN	99294	0.0	12/11/2003
FACILITY Long Description:	CMP	**0000232957**	CLOSE	0500-02 DEW POINT TESTING -BKR RNS5	4	11/25/2003	PMWOGEN	99294	2.0	1/9/2004
FACILITY Long Description:	CMP	**0000225703**	CLOSE	0500-28 BKR SUMM/WINT INSP RNS5	4	9/29/2003	14180	15477	1.5	11/2/2003
PROTSYS Long Description:	SR	**0000224615**	CLOSE	PST TO PERFORM DOBBLE TEST ON BREAKER RNS5	5	9/26/2003	18922		28.5	10/6/2003
FACILITY Long Description:	CM	**0000223824**	CLOSE	RNS5 REPAIRS	2	9/17/2003	14180	01967	15.5	9/27/2003

PLEASANT VALLEY 345
Event Type Description Start Date End Date Contact
MISC. Bkrs RNS5 & RS5 O/A 09/17/2003 13:37 09/17/2003 21:20 Doherty
Status Date Note
09/17/2003 13:37 Bkrs RNS5 & RS5 O/A multiple Bkr operation.
09/17/2003 13:39 Bkr RS5 restored to service. Bkr RNS5 unable to close due to ARS lockout. Trip under investigation. Alpha notification sent
09/17/2003 14:30 W.P. Picked up by PST to Check audiotone equipment and investigate cause of trip.
09/17/2003 17:45 Work permit returned by PST checking feeder F30 route wires, all normal.
09/17/2003 17:55 Work permit issued to MTCE to check and inspect breaker & compressor RNS5.
09/17/2003 20:00 Work permit returned complete by MTCE, breaker RNS5 air and gas pressures normal. Breaker is ready for service.
09/17/2003 21:20 Bkr. RNS5 restored to service.

FACILITY Long Description:	CM	**0000218828**	CLOSE	HI TEMP ALARM ON RNS5	3	8/4/2003	14180	75400	16.0	10/23/2003
FACILITY Long Description:	CM	**0000208474**	CLOSE	PULL CABLE TO BREAKER RNS5	2	5/12/2003	14180	86450	16.0	9/8/2003
FACILITY Long Description:	CM	**0000207841**	CLOSE	CLEAN CONNECTIONS ON CANS	2	5/5/2003	84868		76.5	7/23/2003

Redacted

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MAXIMO REPORT: EQUIPMENT HISTORY

Station: PLEASANT VALLEY 345 **Equipment: BKR-0000912** **PV 345 BKR RNS5**

RESP AREA	WORK TYPE	WORK NUMBER	STATUS	DESCRIPTION	PRTY	REPORT DATE	REPORTED BY	SUPV	HRS	ACTUAL FINISH
FACILITY	DT	**0000205597**	CLOSE	BKR- RNS5 (DT)	3	4/24/2003	39418		308.0	9/27/2003
Long Description:	**Note; the following repairs and parts where replaced. Leaks from High pressure to low pressure side in A & B phase were repaired. All (6) movable main contact fingers where replace with new parts. all (6) tefflon cones replaced (refer to Eng. J. Haufler's report.). Found lose dogs in A phase which was repaired. all door gaskets replace with new gaskets. All o-rings taken from kit have been re-ordered to replenish kit. All items in Diagaostis test complete and O.K.ed By Engineering.100%. Supv. J.Trano 9/27/03..**									
FACILITY	CM	**0000205511**	CLOSE	REPAIR "A" SWITCH ON RNS5	2	4/23/2003	14180	40297	72.0	7/23/2003
Long Description:										
FACILITY	CMP	**0000203677**	CLOSE	0500-28 BKR SUMM/WINT INSP RNS5	2	4/1/2003	19093		0.5	4/30/2003
Long Description:										
FACILITY	CMP	**0000187699**	CLOSE	0500-02 DEW POINT TESTING -BKR RNS5	2	12/2/2002	19093		1.0	1/16/2003
Long Description:										
FACILITY	CMP	**0000178319**	CLOSE	0500-28 BKR SUMM/WINT INSP RNS5	2	10/1/2002	19093		2.0	12/30/2002
Long Description:										
FACILITY	CMP	**0000153611**	CLOSE	0500-28 BKR SUMM/WINT INSP RNS5	2	3/19/2002	15477		0.5	4/23/2002
Long Description:										
FACILITY	CMP	**0000139650**	CLOSE	0500-02 DEW POINT TESTING -BKR RNS5	9	12/3/2001	19093		0.0	2/13/2002
Long Description:										
FACILITY	CMP	**0000129869**	CLOSE	0500-28 BKR SUMM/WINT INSP RNS5	1	9/27/2001	19093		0.5	11/11/2001
Long Description:										
FACILITY	CMP	**0000110501**	CLOSE	0500-28 BKR SUMM/WINT INSP RNS5	1	4/25/2001	19093		0.0	6/22/2001
Long Description:										
FACILITY	GC	**0000089075**	CLOSE	GAS CALL- BKR RNS5	2	12/20/2000	19093		0.0	2/28/2003
Long Description:										
FACILITY	CMP	**0000086546**	CLOSE	0500-02 DEW POINT TESTING -BKR RNS5	9	12/1/2000	19093		2.0	2/16/2001
Long Description:										
FACILITY	CMP	**0000077056**	CLOSE	0500-28 BKR SUMM/WINT INSP RNS5	1	10/12/2000	19093		2.0	1/23/2001
Long Description:										
FACILITY	CMP	**0000071834**	CLOSE	0500-02 DEW POINT TESTING -BKR RNS5	9	9/5/2000	19093		2.0	9/26/2000
Long Description:										

Redacted

MAXIMO REPORT: EQUIPMENT HISTORY

Station: PLEASANT VALLEY 345 **Equipment: BKR-0000912** **PV 345 BKR RNS5**

RESP AREA	WORK TYPE	WORK NUMBER	STATUS	DESCRIPTION	PRTY	REPORT DATE	REPORTED BY	SUPV	HRS	ACTUAL FINISH
FACILITY	CM	**0000071661**	CLOSE	BKR RNS5 - HOT SPOT REPAIRS	2	9/4/2000	19093	98397	26.0	2/13/2002
Long Description: **REPAIR HOT SPOTS ALL 3 PHASES ON BUS CONNECTIONS BETWEEN BREAKER AND CT'S.**										
FACILITY	CMP	**0000063947**	CLOSE	0500-02 DEW POINT TESTING -BKR RNS5	9	6/12/2000	19093		0.0	7/17/2000
Long Description:										
FACILITY	CMP	**0000049697**	CLOSE	0500-02 CIRCUIT BREAKER - RNS5 - DEW POINT TEST	9	2/7/2000	19093		0.0	6/7/2000
Long Description:										
FACILITY	CMP	**0000030137**	CLOSE	500-02 CIRCUIT BREAKER - RNS5 - DEW POINT TEST	9	8/12/1999	19093	40297	1.0	9/14/1999
Long Description:										
FACILITY	GC	**0000022221**	CLOSE	PV 345-GAS CALL GCB RNS5	1	6/4/1999	19093	40297	0.0	12/24/2000
Long Description:										

52 total work order(s) having 1296.75 hours.

Redacted

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MAXIMO REPORT: EQUIPMENT HISTORY

Station: PLEASANT VALLEY 345 **Equipment: BKR-0000916** **PV 345 BKR RN5**

RESP AREA	WORK TYPE	WORK NUMBER	STATUS	DESCRIPTION	PRTY	REPORT DATE	REPORTED BY	SUPV	HRS	ACTUAL FINISH
FACILITY Long Description:	CMP-0	**0008118227**	APPR	0500-17 ANNUAL COMPRESSOR BKR RN5	4	5/1/2008	MAXADMIN	56751	0.0	
FACILITY Long Description:	CMP-0	**0007858737**	COMP	0500-28 SUMMERIZATION INSP BKR RN5	4	2/8/2008	89260	15477	2.0	5/15/2008
FACILITY Long Description:	GC	**0007720280**	CLOSE	GAS CALL- BKR RN5	4	1/3/2008	16726	16726	7.5	1/3/2008
FACILITY Long Description:	CM	**0007719738**	CLOSE	T/S & REPAIR AIR LEAKS	5	1/3/2008	15477		38.0	2/12/2008
FACILITY Long Description:	CMP-0	**0007308527**	CLOSE	0500-28 BKR WINTERIZATION INSP RN5	4	9/30/2007	MAXADMIN	15477	2.0	10/29/2007
FACILITY Long Description:	GC	**0007221924**	CLOSE	GAS CALL- BKR RN5	2	8/27/2007	03268	03268	2.5	8/27/2007
FACILITY Long Description:	CMP	**0007144540**	CLOSE	0500-02 DEW POINT TESTING -BKR RN5	4	7/31/2007	MAXADMIN	56751	3.0	8/16/2007
FACILITY Long Description:	OH	**0007037213**	APPR	BKR- RN5 (OH)	4	6/19/2007	19093		0.0	
FACILITY Long Description:	CMP-0	**0006902046**	COMP	0500-17 ANNUAL COMPRESSOR BKR RN5	4	5/1/2007	MAXADMIN	56751	4.0	4/3/2008
FACILITY Long Description:	CMP	**0006594464**	CLOSE	0500-28 SUMMERIZATION INSP BKR RN5	2	2/28/2007	MAXADMIN	15477	2.0	5/8/2007
FACILITY Long Description:	GC	**0006177739**	CLOSE	GAS CALL- BKR RN5	2	10/30/2006	19093	03268	2.0	10/30/2006
FACILITY Long Description:	CMP	**0006103705**	CLOSE	0500-28 BKR WINTERIZATION INSP RN5	2	9/30/2006	MAXADMIN	03268	0.0	11/2/2006
FACILITY Long Description:	CMP	**0005885458**	CLOSE	0500-02 DEW POINT TESTING -BKR RN5	2	7/31/2006	MAXADMIN	56751	0.0	1/31/2007
FACILITY Long Description:	CMP	**0005599499**	CLOSE	0500-17 ANNUAL COMPRESSOR BKR RN5	2	5/1/2006	MAXADMIN	70286	0.0	5/23/2006

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MAXIMO REPORT: EQUIPMENT HISTORY

Station: PLEASANT VALLEY 345 **Equipment: BKR-0000916** **PV 345 BKR RN5**

RESP AREA	WORK TYPE	WORK NUMBER	STATUS	DESCRIPTION	PRTY	REPORT DATE	REPORTED BY	SUPV	HRS	ACTUAL FINISH
FACILITY Long Description:	CMP	**0005316951**	CLOSE	0500-28 BKR SUMMERIZATION INSP RN5	2	2/28/2006	MAXADMIN	15477	3.0	6/8/2006
FACILITY Long Description:	GC	**0005020380**	CLOSE	GAS CALL- BKR RN5	2	12/5/2005	70286	70286	0.0	12/6/2005
FACILITY Long Description:	CMP	**0000341041**	CLOSE	0500-28 BKR WINTERIZATION INSP RN5	2	9/25/2005	PMWOGEN	82577	1.0	12/5/2005
FACILITY Long Description:	CMP	**0000328448**	CLOSE	0500-02 DEW POINT TESTING -BKR RN5	2	7/25/2005	PMWOGEN	49112	1.0	7/29/2005
FACILITY Long Description:	CMP	**0000313793**	CLOSE	0500-17 ANNUAL COMPRESSOR BKR RN5	4	5/2/2005	19093	70286	8.0	4/24/2006
FACILITY Long Description:	GC	**0000310670**	CLOSE	GAS CALL- BKR RN5	2	4/13/2005	01827	01827	2.5	4/13/2005
FACILITY Long Description:	CMP	**0000300844**	CLOSE	0500-28 BKR SUMMERIZATION INSP RN5	4	2/25/2005	PMWOGEN	15477	1.5	5/8/2005

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MAXIMO REPORT: EQUIPMENT HISTORY

Station: PLEASANT VALLEY 345 **Equipment: BKR-0000916** **PV 345 BKR RN5**

RESP AREA	WORK TYPE	WORK NUMBER	STATUS	DESCRIPTION	PRTY	REPORT DATE	REPORTED BY	SUPV	HRS	ACTUAL FINISH
FACILITY	INFO	**0000277030**	CLOSE	BREAKERS RN5 AND RNS5 AT PLEASANT VALLEY O/A	5	10/21/2004	72593		0.0	10/21/2004

Long Description: **PLEASANT VALLEY 345**

Equipment Name Voltage Outage
Type OOS Date Projected
Restoration Actual
Restoration Outage Work
Description Contact
PV 345 BKR RN5 345 kv OA 10/20/2004 15:50 10/20/2004 16:58 Breakers O/A at P'valley Feeder was alive from Leeds
Outage Step Step Start Step End Work Description Work Location Comments
No Steps Defined for Date Range Specified.
Status Date Note
10/20/2004 15:50 Fdr 92 O/a alive on back feed from Leads
10/20/2004 15:59 Alpha Page sent
10/20/2004 16:25 Operator record and resets targets
10/20/2004 16:35 Relay Targets: 1st. Line: NAARX/FN5 Aux. Time Target 2nd Line: NAA/RY Aux. Time Target, MCTT/ FN5 ELOR
10/20/2004 16:58 Fdr 92 restored to service

PLEASANT VALLEY 345
Event Type Description Start Date End Date Contact
MISC. Open Auto 10/20/2004 15:50 10/20/2004 17:22 Shiftmgr
Status Date Note
10/20/2004 15:50 Feeder 92 Tripped. Breakers RN5 and RNS5 at Pleasant Valley opened automatically, but did not re-close. Breaker R9293 at Leeds S/S (Niagara Mohawk) was previously out to work. Breaker R92 at Leeds S/S did not open.

FACILITY	INFO	**0000275794**	CLOSE	FEEDER #92 BREAKERS # RN5 AND RNS5 O/A AND RE-CLOSED	5	10/4/2004	72593		0.0	10/4/2004

Long Description: **PLEASANT VALLEY 345**
Event Type Description Start Date End Date Contact
MISC. Feeder 92 Tripped 10/02/2004 13:00 10/02/2004 14:40 Shiftmanager
Status Date Note
10/02/2004 13:00 Feeder #92 Breakers # RN5 and RNS5 O/A and re-closed
10/02/2004 14:40 Relay Targets: 1st Line: CEY 651 21GCI/FN5, Ground to MHO Distance Relay. 12BCA11AM-85/FN5, Carrier Auxiliary Relay. 2nd Line: RFL Tone Permissive Trip Relay. (Trip Receive Light Lit, and Trip Sent Light Lit). RFL Receive/Tone Direct Trip. RN5: HAA/RN5, 79 Reclosure Relay Target. RNS5: HAA/RN5, 79 Reclosure Relay Target, FLP/FN5 (A-B 01: B-C 01: C-A 80) Fault Locator Relay Light Lit. FLN/FN5 (A-N 97: B-N 46: C-N 42) Fault Locator Relay Light Lit.

FACILITY	CMP	**0000274260**	CLOSE	0500-28 BKR WINTERIZATION INSP RN5	4	9/25/2004	PMWOGEN	15477	1.0	10/16/2004

Long Description:

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MAXIMO REPORT: EQUIPMENT HISTORY

Station: PLEASANT VALLEY 345 **Equipment: BKR-0000916** **PV 345 BKR RN5**

RESP AREA	WORK TYPE	WORK NUMBER	STATUS	DESCRIPTION	PRTY	REPORT DATE	REPORTED BY	SUPV	HRS	ACTUAL FINISH
FACILITY Long Description:	CMP	**0000264469**	CLOSE	0500-02 DEW POINT TESTING -BKR RN5	4	7/25/2004	PMWOGEN	99294	1.0	8/12/2004
FACILITY Long Description:	CMP	**0000245518**	CLOSE	0500-28 BKR SUMMERIZATION INSP RN5	4	2/28/2004	PMWOGEN	15477	0.0	5/16/2004
FACILITY Long Description:	CMP	**0000234029**	CLOSE	0500-02 DEW POINT TESTING -BKR RN5	2	11/25/2003	PMWOGEN	99294	0.0	12/11/2003
FACILITY Long Description:	CMP	**0000232961**	CLOSE	0500-02 DEW POINT TESTING -BKR RN5	4	11/25/2003	PMWOGEN	99294	1.0	1/9/2004
FACILITY Long Description:	DT	**0000227425**	CLOSE	BKR- RN5 (DT) REPAIR CONES INSIDE BREAKER	2	10/8/2003	14180	58747	0.0	10/16/2003
FACILITY Long Description:	CMP	**0000225707**	CLOSE	0500-28 BKR SUMM/WINT INSP RN5	4	9/29/2003	14180	15477	1.5	11/2/2003
FACILITY Long Description:	DT	**0000218931**	CLOSE	BKR- RN5 (DT)	3	8/4/2003	82650	58747	252.0	10/16/2003
FACILITY Long Description:	CMP	**0000203681**	CLOSE	0500-28 BKR SUMM/WINT INSP RN5	2	4/1/2003	19093		0.5	4/30/2003
FACILITY Long Description:	CMP	**0000187703**	CLOSE	0500-02 DEW POINT TESTING -BKR RN5	2	12/2/2002	19093		1.0	1/15/2003
FACILITY Long Description:	GC	**0000185806**	CLOSE	GAS CALL- BKR RN5	2	11/13/2002	19093		0.0	1/6/2003
FACILITY Long Description:	CMP	**0000178323**	CLOSE	0500-28 BKR SUMM/WINT INSP RN5	2	10/1/2002	19093		2.0	12/30/2002
FACILITY Long Description:	CM	**0000162397**	CLOSE	REPLACE LOW GAS PRESS SWITCH	3	5/23/2002	53730		30.0	7/23/2003
FACILITY Long Description:	CMP	**0000153616**	CLOSE	0500-28 BKR SUMM/WINT INSP RN5	2	3/19/2002	15477		0.8	4/23/2002
FACILITY Long Description:	CMP	**0000139646**	CLOSE	0500-02 DEW POINT TESTING -BKR RN5	9	12/3/2001	19093		0.0	2/12/2002

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MAXIMO REPORT: EQUIPMENT HISTORY

Station: PLEASANT VALLEY 345 **Equipment: BKR-0000916** **PV 345 BKR RN5**

RESP AREA	WORK TYPE	WORK NUMBER	STATUS	DESCRIPTION	PRTY	REPORT DATE	REPORTED BY	SUPV	HRS	ACTUAL FINISH
FACILITY Long Description:	CMP	**0000129873**	CLOSE	0500-28 BKR SUMM/WINT INSP RN5	1	9/27/2001	19093		0.8	11/11/2001
FACILITY Long Description:	CM	**0000127948**	CLOSE	BKR RN5 LOW GAS ALARM NOT WORKING	9	9/7/2001	48407		0.0	11/30/2001
FACILITY Long Description:	GC	**0000123551**	CLOSE	GAS CALL- BKR RN5	1	8/3/2001	70286		0.0	8/27/2001
FACILITY Long Description:	CM	**0000112515**	CLOSE	HOT SPOT BKR RN5 -C PHASE CT REPAIR	4	5/3/2001	99710		28.0	2/14/2002
FACILITY Long Description:	CMP	**0000110505**	CLOSE	0500-28 BKR SUMM/WINT INSP RN5	1	4/25/2001	19093		0.0	6/22/2001
FACILITY Long Description:	GC	**0000089069**	CLOSE	GAS CALL- BKR RN5	2	12/20/2000	19093		8.0	2/28/2003
FACILITY Long Description:	CMP	**0000086542**	CLOSE	0500-02 DEW POINT TESTING -BKR RN5	9	12/1/2000	19093		2.0	2/8/2001
FACILITY Long Description:	CMP	**0000077052**	CLOSE	0500-28 BKR SUMM/WINT INSP RN5	1	10/12/2000	19093		0.0	1/23/2001
FACILITY Long Description:	CMP	**0000071830**	CLOSE	0500-02 DEW POINT TESTING -BKR RN5	9	9/5/2000	19093		2.0	9/26/2000
FACILITY Long Description:	CMP	**0000063943**	CLOSE	0500-02 DEW POINT TESTING -BKR RN5	9	6/12/2000	19093		0.0	7/17/2000
FACILITY Long Description:	CMP	**0000049693**	CLOSE	0500-02 CIRCUIT BREAKER - RN5 - DEW POINT TEST	9	2/7/2000	19093		0.0	6/7/2000
FACILITY Long Description:	GC	**0000039864**	CLOSE	PV 345-GAS CALL GCB RN5	1	11/1/1999	19093	40297	0.0	12/7/1999
FACILITY Long Description:	CM	**0000031456**	CLOSE	BREAKER # RN5 - COMPRESSOR PM	9	8/27/1999	19093	56705	4.0	10/25/1999

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MAXIMO REPORT: EQUIPMENT HISTORY

Station: PLEASANT VALLEY 345 **Equipment: BKR-0000916** **PV 345 BKR RN5**

RESP AREA	WORK TYPE	WORK NUMBER	STATUS	DESCRIPTION	PRTY	REPORT DATE	REPORTED BY	SUPV	HRS	ACTUAL FINISH
FACILITY	CMP	**0000030133**	CLOSE	500-02 CIRCUIT BREAKER - RN5 - DEW POINT TEST	9	8/12/1999	19093	40297	1.0	9/14/1999
Long Description:										
FACILITY	GC	**0000022226**	CLOSE	PV 345-GAS CALL GCB RN5	1	6/4/1999	19093	40297	4.0	12/24/2000
Long Description:										

53 total work order(s) having 420.5 hours.

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MAXIMO REPORT: EQUIPMENT HISTORY

Station: SHERMAN CREEK S/S **Equipment: BKR-0000969** **SC 138-CIRCUIT BREAKER-BT**

RESP AREA	WORK TYPE	WORK NUMBER	STATUS	DESCRIPTION	PRTY	REPORT DATE	REPORTED BY	SUPV	HRS	ACTUAL FINISH
FACILITY Long Description:	OH	**0008157169**	APPR	BKR BT (OH)	4	5/13/2008	19093		0.0	
FACILITY Long Description:	CMP-0	**0007856304**	CLOSE	0500-28 SUMMERIZATION INSP BKR BT	4	2/8/2008	89260	50686	0.0	4/18/2008
FACILITY Long Description:	CMP-0	**0007494950**	CLOSE	0500-02 DEW POINT TESTING -BKR BT	4	10/31/2007	MAXADMIN	04685	2.0	1/9/2008
FACILITY Long Description:	CMP-0	**0007306147**	CLOSE	0500-28 BKR WINTERIZATION INSP BT	4	9/30/2007	MAXADMIN	50686	4.0	11/15/2007
FACILITY Long Description:	CM	**0007110946**	CLOSE	BACK UP TIMER 62F-BT/B4W IS DEFECFTIVE	5	7/3/2007	03779		46.0	7/15/2007
FACILITY Long Description:	CM	**0007110944**	CLOSE	B.U.TIMER 62F-BT/B4E IS DEFECTIVE	5	7/3/2007	03779		13.0	7/13/2007
FACILITY Long Description:	CM	**0006818030**	CLOSE	BU TIMER: 62F-BT/B4W MONITORING LIGHT IS OUT.	3	4/18/2007	14386		1.0	5/10/2007
FACILITY Long Description:	CM	**0006818029**	CLOSE	BU TIMER:62F-BT/B4E MONITORING LIGHT IS OUT.	3	4/18/2007	14386		1.0	5/10/2007
FACILITY Long Description:	CMP	**0006589290**	CLOSE	0500-28 SUMMERIZATION INSP BKR BT	2	2/28/2007	MAXADMIN	50686	6.0	5/3/2007
FACILITY Long Description: **This is an existing condition. oil absorbant pads placed.**	CM	**0006154777**	CLOSE	BKR IS LEAKING HYDRAULIC FLUID IN CABINET. OIL RESERVOIR BELOW NORMAL.	5	10/12/2006	03779		6.0	3/8/2007
FACILITY Long Description:	CMP	**0006107712**	CLOSE	0500-28 BKR WINTERIZATION INSP BT	2	9/30/2006	MAXADMIN	00608	3.5	11/15/2006
FACILITY Long Description:	CMP	**0005312039**	CLOSE	0500-28 BKR SUMMERIZATION INSP BT	2	2/28/2006	MAXADMIN	13934	0.0	4/17/2006
FACILITY Long Description:	CMP	**0000341162**	CLOSE	0500-28 BKR WINTERIZATION INSP BT	2	9/25/2005	PMWOGEN	13934	2.0	10/10/2005

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MAXIMO REPORT: EQUIPMENT HISTORY

Station: SHERMAN CREEK S/S **Equipment: BKR-0000969** **SC 138-CIRCUIT BREAKER-BT**

RESP AREA	WORK TYPE	WORK NUMBER	STATUS	DESCRIPTION	PRTY	REPORT DATE	REPORTED BY	SUPV	HRS	ACTUAL FINISH
FACILITY Long Description:	OSS	**0000327828**	CLOSE	JOBPLAN TEST	5	7/19/2005	86219	86219	0.0	7/19/2005
FACILITY Long Description:	CMP	**0000301020**	CLOSE	0500-28 BKR SUMMERIZATION INSP BT	4	2/25/2005	PMWOGEN	07157	2.0	5/5/2005
FACILITY Long Description:	CMP	**0000245692**	CLOSE	0500-28 BKR SUMMERIZATION INSP BT	4	2/28/2004	PMWOGEN	07157	14.0	5/5/2004
FACILITY Long Description:	CMP	**0000228035**	CLOSE	0500-28 BKR SUMM/WINT INSP BT	2	10/15/2003	19093	14884	2.0	10/23/2003
FACILITY Long Description:	CM	**0000211727**	CLOSE	BREAKER HAS A HYDRAULIC OIL LEAK IN CONTROL CABINET.	2	6/5/2003	14386	07157	6.0	9/2/2003
FACILITY Long Description:	CMP	**0000207419**	CLOSE	0500-28 BKR SUMM/WINT INSP BT	2	5/2/2003	19093	18382	0.0	10/20/2003
FACILITY Long Description:	DT	**0000193415**	CLOSE	BKR- BT (DT)	2	1/13/2003	82650		160.0	4/7/2003
FACILITY Long Description:	CMP	**0000180882**	CLOSE	0500-28 BKR SUMM/WINT INSP BT	2	10/21/2002	54992		1.5	11/1/2002
FACILITY Long Description:	CMP	**0000137384**	CLOSE	0500-28 BKR SUMM/WINT INSP BT-REPAIR HTRS. NOT WORKING	1	11/14/2001	54992	85866	8.0	12/17/2001
FACILITY Long Description:	CMP	**0000131438**	CLOSE	0500-28 BKR SUMM/WINT INSP BT	1	10/2/2001	54992		1.0	12/17/2001
FACILITY Long Description:	CM	**0000129427**	CLOSE	BT BKR. GROUND REPAIRS	2	9/27/2001	85866	85866	12.0	2/12/2002
FACILITY Long Description:	ENVLK	**0000113205**	CLOSE	HYDRAULIC OIL LEAK IN BKR OPERATING CONTROL CABINET (CONTAINED)	2	5/10/2001	14386		4.0	4/6/2003
FACILITY Long Description:	CMP	**0000099940**	CLOSE	0500-28 BKR SUMM/WINT INSP BT	1	2/28/2001	54992		0.0	5/1/2001

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MAXIMO REPORT: EQUIPMENT HISTORY

Station: SHERMAN CREEK S/S **Equipment: BKR-0000969** **SC 138-CIRCUIT BREAKER-BT**

RESP AREA	WORK TYPE	WORK NUMBER	STATUS	DESCRIPTION	PRTY	REPORT DATE	REPORTED BY	SUPV	HRS	ACTUAL FINISH
FACILITY	GC	**0000089169**	CLOSE	GAS CALL-CIRCUIT BKR BT	2	12/20/2000	19093		0.0	2/10/2003
Long Description:										
PROTSYS	CM	**0000067710**	CLOSE	PST -TROUBLE SHOOT LOSE OF BTE&W MONITORING LTS	9	7/21/2000	19093		28.0	8/14/2000
Long Description:	**TROUBLE SHOOT BTE & W MONITORING LIGHT OUT WITH NE FEED**									
FACILITY	CM	**0000067690**	CLOSE	TROUBLE SHOOT LOSE OF BTE&W MONITORING LTS	9	7/21/2000	77117		22.0	8/14/2000
Long Description:	**TROUBLE SHOOT BTE & W MONITORING LIGHT OUT WITH NE FEED**									
FACILITY	CMP	**0000065673**	CLOSE	0500-02 DEW POINT TESTING -BKR BT	1	6/29/2000	89260		0.0	8/24/2000
Long Description:										
FACILITY	CMP	**0000055429**	CLOSE	0500-28 BKR SUMM/WINT INSP BT	1	3/31/2000	89260		0.0	6/23/2000
Long Description:										
FACILITY	CM	**0000044394**	CLOSE	DUAL INDICATION ON SUP. PANEL	9	12/10/1999	03779		0.0	4/8/2000
Long Description:										
FACILITY	CMP	**0000038773**	CLOSE	0500-28-BKR SUMM/WINT INSPECTION-BT	1	10/22/1999	89260	89260	0.0	3/31/2000
Long Description:										
FACILITY	GC	**0000038317**	CLOSE	GAS CALL-CIRCUIT BKR BT	1	10/20/1999	89260	89260	0.0	12/24/2000
Long Description:										
PROTSYS	SR	**0000031601**	CLOSE	125VDC GROUND ON BKR BT TIMER	9	8/30/1999	12778		22.0	9/13/1999
Long Description:										
FACILITY	CMP	**0000017487**	CLOSE	0500-28 CIR BKRS WINTERIZATION BKR BT	1	5/2/1999	89260	89260	0.0	11/2/1998
Long Description:										
FACILITY	DT	**0000014266**	CLOSE	SC138 BKR BT (GCB)	1	5/13/1994	89260		0.0	5/13/1994
Long Description:										

37 total work order(s) having 367 hours.

Redacted

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MAXIMO REPORT: EQUIPMENT HISTORY

Station: SPRAINBROOK **Equipment: BKR-0001806** **SB-CIRCUIT BREAKER-RS5**

RESP AREA	WORK TYPE	WORK NUMBER	STATUS	DESCRIPTION	PRTY	REPORT DATE	REPORTED BY	SUPV	HRS	ACTUAL FINISH
FACILITY Long Description:	CM	**0007996027**	CLOSE	TROUBLE SHOOT BKR RS5 - WILL NOT CLOSE	2	3/24/2008	00594		9.0	3/22/2008
FACILITY Long Description:	CMP-0	**0007862810**	CLOSE	0500-28 BKR SUMMERIZATION INSP RS5	4	2/8/2008	89260	16108	0.0	5/21/2008
FACILITY Long Description:	CMP-0	**0007305832**	CLOSE	0500-28 BKR WINTERIZATION INSP RS5	4	9/30/2007	MAXADMIN	82577	6.0	12/8/2007
FACILITY Long Description:	CMP-0	**0007239595**	CLOSE	0500-02 DEW POINT TESTING -BKR RS5	4	8/31/2007	MAXADMIN	88830	1.0	11/23/2007
FACILITY Long Description:	CMP	**0006608947**	CLOSE	0500-28 BKR SUMMERIZATION INSP RS5	2	2/28/2007	MAXADMIN	15477	2.0	5/17/2007
FACILITY Long Description:	CMP	**0006102668**	CLOSE	0500-28 BKR WINTERIZATION INSP RS5	2	9/30/2006	MAXADMIN	16108	2.0	12/6/2006
FACILITY Long Description:	CMP	**0005991964**	CLOSE	0500-02 DEW POINT TESTING -BKR RS5	2	8/31/2006	MAXADMIN	56751	2.0	1/18/2007
FACILITY Long Description:	OH	**0005959563**	APPR	BKR- RS5 (OH)	4	8/22/2006	19093		0.0	
FACILITY Long Description:	CMP	**0005328985**	CLOSE	0500-28 BKR SUMMERIZATION INSP RS5	2	2/28/2006	MAXADMIN	15477	1.8	5/28/2006
FACILITY Long Description:	CMP	**0000340862**	CLOSE	0500-28 BKR WINTERIZATION INSP RS5	2	9/25/2005	PMWOGEN	82577	1.0	12/27/2005
FACILITY Long Description:	CMP	**0000333983**	CLOSE	0500-02 DEW POINT TESTING -BKR RS5	2	8/25/2005	PMWOGEN	49112	2.0	8/31/2005
FACILITY Long Description:	CM	**0000321868**	CLOSE	CALIBRATE PRESS SWITCH	3	6/2/2005	14180	75400	16.0	12/16/2005
FACILITY Long Description:	CMP	**0000300647**	CLOSE	0500-28 BKR SUMMERIZATION INSP RS5	4	2/25/2005	PMWOGEN	15477	1.5	5/18/2005
FACILITY Long Description:	CM	**0000276427**	CLOSE	LINE STARTER PROBLEM	3	10/12/2004	14180	50013	15.0	10/26/2004

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MAXIMO REPORT: EQUIPMENT HISTORY

Station: SPRAINBROOK **Equipment: BKR-0001806** **SB-CIRCUIT BREAKER-RS5**

RESP AREA	WORK TYPE	WORK NUMBER	STATUS	DESCRIPTION	PRTY	REPORT DATE	REPORTED BY	SUPV	HRS	ACTUAL FINISH
FACILITY Long Description:	CMP	**0000274043**	CLOSE	0500-28 BKR WINTERIZATION INSP RS5	4	9/25/2004	PMWOGEN	15477	2.0	11/14/2004
FACILITY Long Description:	CMP	**0000268748**	CLOSE	0500-02 DEW POINT TESTING -BKR RS5	4	8/25/2004	PMWOGEN	99294	2.0	9/3/2004
FACILITY Long Description:	CM	**0000247667**	CLOSE	REPLACE COMPRESSOR	3	3/9/2004	14180	56751	22.0	8/9/2004
FACILITY Long Description:	CMP	**0000245332**	CLOSE	0500-28 BKR SUMMERIZATION INSP RS5	4	2/28/2004	PMWOGEN	15477	0.5	5/12/2004
FACILITY Long Description:	CMP	**0000225552**	CLOSE	0500-28 BKR SUMM/WINT INSP RS5	2	9/29/2003	14180	15477	2.0	10/25/2003
FACILITY Long Description:	CMP	**0000224489**	CLOSE	0500-02 DEW POINT TESTING -BKR RS5	2	9/25/2003	19093	99294	1.0	10/10/2003
FACILITY Long Description:	CMP	**0000203535**	CLOSE	0500-28 BKR SUMM/WINT INSP RS5	2	4/1/2003	19093		0.5	4/30/2003
FACILITY Long Description:	CM	**0000193542**	CLOSE	CHANGE RELAY ON RS5	2	1/15/2003	14180	19963	8.0	7/22/2003
FACILITY Long Description:	CMP	**0000187717**	CLOSE	0500-02 DEW POINT TESTING -BKR RS5	2	12/2/2002	19093		4.0	1/22/2003
FACILITY Long Description:	CMP	**0000178403**	CLOSE	0500-28 BKR SUMM/WINT INSP RS5	2	10/1/2002	19093		0.0	12/29/2002
PROTSYS Long Description:	SR	**0000176724**	CLOSE	BKR RS5 CIF & DOBLE TESTS	4	9/23/2002	10644		14.0	10/22/2002
FACILITY Long Description:	CM	**0000176312**	CLOSE	BKR RS5 - REPAIR/REPLACE HFA RELAY	4	9/20/2002	19963		10.0	7/22/2003
FACILITY Long Description:	DT	**0000165637**	CLOSE	BKR- RS5 (DT)	2	6/20/2002	54992		131.0	9/30/2002
FACILITY Long Description:	CM	**0000157585**	CLOSE	GAUGE CABINET DOOR NEEDS NEW GASKET FOR SIGHT GLASS WINDOW	3	4/14/2002	15477	98397	0.0	4/15/2002

Redacted

MAXIMO REPORT: EQUIPMENT HISTORY

Station: SPRAINBROOK **Equipment: BKR-0001806** **SB-CIRCUIT BREAKER-RS5**

RESP AREA	WORK TYPE	WORK NUMBER	STATUS	DESCRIPTION	PRTY	REPORT DATE	REPORTED BY	SUPV	HRS	ACTUAL FINISH
FACILITY	CMP	**0000153661**	CLOSE	0500-28 BKR SUMM/WINT INSP RS5	2	3/19/2002	15477		0.0	4/14/2002
Long Description:										
FACILITY	CMP	**0000139628**	CLOSE	0500-02 DEW POINT TESTING -BKR RS5	9	12/3/2001	19093		3.0	1/24/2002
Long Description:										
FACILITY	CM	**0000137351**	CLOSE	BKR RS5- CONT. CAB. STRP HTRS XCEPT 1 N/G ,SITE GLSSES NEED NEW WTHRSTRPPNG	9	11/13/2001	15477	98397	2.0	12/1/2001
Long Description:	**CONT. CAB. STRP HTRS XCEPT 1 N/G ,SITE GLSSES NEED NEW WTHRSTRPPNG IN GAGE CAB.**									

From: Notis, Alan
Sent: Tuesday, November 13, 2001 6:13 PM
To: Calandrino, Judy; Trano, Joseph
Subject: Sprainbrook RS5 Winterization

A number was generated in Maximo for RS5 winterization compliance: 0000137347
I entered it into Maximo with subworkorder number 0000137351 which notes the following discrepancies: All control cabinet strip heaters except 1 N/G, Sight glasses need new weather-stripping in gauge cabinet
There wasn't enough space to write it as I did above, so it is abbreviated on the workorder. Alan

FACILITY	CMP	**0000137347**	CLOSE	0500-28 BKR SUMM/WINT INSP RS5	1	11/13/2001	19093		2.0	11/19/2001
Long Description:										
FACILITY	CMP	**0000086512**	CLOSE	0500-02 DEW POINT TESTING -BKR RS5	9	12/1/2000	19093		0.0	2/1/2001
Long Description:										
FACILITY	CMP	**0000071801**	CLOSE	0500-02 DEW POINT TESTING -BKR RS5	9	9/5/2000	19093		2.0	10/16/2000
Long Description:										
FACILITY	CMP	**0000063914**	CLOSE	0500-02 DEW POINT TESTING -BKR RS5	9	6/12/2000	19093		0.0	7/17/2000
Long Description:										
FACILITY	CMP	**0000049664**	CLOSE	0500-02 CIRCUIT BREAKER - RS5 - DEW POINT TEST	9	2/7/2000	19093		0.0	6/7/2000
Long Description:										
FACILITY	CMP	**0000030111**	CLOSE	500-02 CIRCUIT BREAKER - RS5 - DEW POINT TEST	9	8/12/1999	19093	98397	2.0	8/16/1999
Long Description:										

37 total work order(s) having 267.25 hours.

Redacted

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MAXIMO REPORT: EQUIPMENT HISTORY

Station: SPRAINBROOK **Equipment: BKR-0001816** **SB-CIRCUIT BREAKER-S6 **RETIRED****

RESP AREA	WORK TYPE	WORK NUMBER	STATUS	DESCRIPTION	PRTY	REPORT DATE	REPORTED BY	SUPV	HRS	ACTUAL FINISH
PROTSYS	CAP	**0007907143**	CLOSE	SPRAIN BROOK - BREAKER S6 REPLACEMENT - PST TESTING	5	2/27/2008	18830		649.0	3/24/2008
Long Description:										
FACILITY	CMP-0	**0007305902**	CLOSE	0500-28 BKR WINTERIZATION INSP S6	4	9/30/2007	MAXADMIN	04765	4.0	12/18/2007
Long Description:										
FACILITY	CAP	**0007288883**	CLOSE	EI SUPPORT FOR BUS SIPPORT S-6	3	9/20/2007	54198		93.0	11/23/2007
Long Description:										
FACILITY	CMP-0	**0007238225**	CLOSE	0500-02 DEW POINT TESTING -BKR S6	4	8/31/2007	MAXADMIN	88830	1.0	11/23/2007
Long Description:										
FACILITY	CMP	**0006603850**	CLOSE	0500-28 BKR SUMMERIZATION INSP S6	2	2/28/2007	MAXADMIN	00594	0.0	6/6/2007
Long Description:										
FACILITY	CMP-0	**0006410058**	CLOSE	0500-17 ANNUAL COMPRESSOR BKR S6	4	12/31/2006	MAXADMIN	88830	8.0	12/23/2007
Long Description:										
FACILITY	CMP	**0006106290**	CLOSE	0500-28 BKR WINTERIZATION INSP S6	2	9/30/2006	MAXADMIN	16108	2.0	12/6/2006
Long Description:										
FACILITY	CMP	**0005990057**	CLOSE	0500-02 DEW POINT TESTING -BKR S6	2	8/31/2006	MAXADMIN	56751	1.0	1/18/2007
Long Description:										
FACILITY	CMP	**0005325363**	CLOSE	0500-28 BKR SUMMERIZATION INSP S6	2	2/28/2006	MAXADMIN	15477	3.0	5/29/2006
Long Description:										
FACILITY	CMP	**0005099406**	CLOSE	0500-17 ANNUAL COMPRESSOR BKR S6	2	12/31/2005	MAXADMIN	56751	0.0	2/21/2006
Long Description:										
FACILITY	CMP	**0000340853**	CLOSE	0500-28 BKR WINTERIZATION INSP S6	2	9/25/2005	PMWOGEN	82577	4.0	12/23/2005
Long Description:										
FACILITY	CMP	**0000333985**	CLOSE	0500-02 DEW POINT TESTING -BKR S6	2	8/25/2005	PMWOGEN	49112	1.0	8/31/2005
Long Description:										
FACILITY	CMP	**0000300638**	CLOSE	0500-28 BKR SUMMERIZATION INSP S6	4	2/25/2005	PMWOGEN	15477	1.5	5/18/2005
Long Description:										
FACILITY	CMP	**0000274033**	CLOSE	0500-28 BKR WINTERIZATION INSP S6	4	9/25/2004	PMWOGEN	15477	2.0	11/14/2004
Long Description:										

Redacted

MAXIMO REPORT: EQUIPMENT HISTORY

Station: SPRAINBROOK **Equipment: BKR-0001816** **SB-CIRCUIT BREAKER-S6 **RETIRED****

RESP AREA	WORK TYPE	WORK NUMBER	STATUS	DESCRIPTION	PRTY	REPORT DATE	REPORTED BY	SUPV	HRS	ACTUAL FINISH
FACILITY Long Description:	CM	**0000271341**	CLOSE	CONNECT AIR TANKER TO S6	2	9/9/2004	15477	50013	5.0	3/18/2005
FACILITY Long Description:	CMP	**0000268750**	CLOSE	0500-02 DEW POINT TESTING -BKR S6	4	8/25/2004	PMWOGEN	99294	0.0	9/7/2004
FACILITY Long Description:	CMP	**0000245323**	CLOSE	0500-28 BKR SUMMERIZATION INSP S6	4	2/28/2004	PMWOGEN	15477	0.5	5/12/2004
FACILITY Long Description:	CMP	**0000225543**	CLOSE	0500-28 BKR SUMM/WINT INSP S6	2	9/29/2003	14180	15477	2.0	10/26/2003
FACILITY Long Description:	CMP	**0000224491**	CLOSE	0500-02 DEW POINT TESTING -BKR S6	2	9/25/2003	19093	99294	2.0	10/10/2003
FACILITY Long Description:	CMP	**0000203526**	CLOSE	0500-28 BKR SUMM/WINT INSP S6	2	4/1/2003	19093		1.0	5/2/2003
FACILITY Long Description:	CM	**0000197960**	CLOSE	PST- BREAKER S-6 WON'T CLOSE	2	2/26/2003	12778		12.0	7/22/2003
FACILITY Long Description:	CM	**0000197891**	CLOSE	BREAKER S-6 WON'T CLOSE	2	2/25/2003	19963		20.0	7/22/2003
FACILITY Long Description:	CMP	**0000187719**	CLOSE	0500-02 DEW POINT TESTING -BKR S6	2	12/2/2002	19093		4.0	1/22/2003
PROTSYS Long Description:	SR	**0000179544**	CLOSE	DOBLE BKR RS6	4	10/4/2002	10644		8.0	10/22/2002
FACILITY Long Description:	CMP	**0000178394**	CLOSE	0500-28 BKR SUMM/WINT INSP S6	2	10/1/2002	19093		1.0	12/29/2002

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MAXIMO REPORT: EQUIPMENT HISTORY

Station: SPRAINBROOK **Equipment: BKR-0001816** **SB-CIRCUIT BREAKER-S6 **RETIRED****

RESP AREA	WORK TYPE	WORK NUMBER	STATUS	DESCRIPTION	PRTY	REPORT DATE	REPORTED BY	SUPV	HRS	ACTUAL FINISH
FACILITY	CM	**0000168562**	CLOSE	INVESTIGATE AND REPAIR CAUSE FOR CIRCUIT BREAKER S6	2	7/14/2002	98397	98397	8.0	7/22/2003

Long Description: **open auto**

STATION: SPRAINBROOK
CURRENT
SCHEDULED PROJECTED
EQUIPMENT TYPE REASON OOS DATE RETURN RETURN DATE
Bkr.S6 345KV O/A 7/13/02
DISCREPANCY
STATUS AS OF 7/13/02
13:30 - Bkr.S6 O/A. No alarms up at the time.
13:33 - Bkr S6 C/I.
13:55 - Alpha Page sent.
14:20 - Operator reported no targets & air pressure normal.
CONTACT PERSON:

FACILITY	CM	**0000164908**	CLOSE	REPLACE DEFECTIVE ATKOMATIC VALVE, FOUND STUCK OPEN.	1	6/10/2002	98397	98397	26.0	7/1/2002

Long Description:

FACILITY	CMP	**0000153647**	CLOSE	0500-28 BKR SUMM/WINT INSP S6	2	3/19/2002	15477		1.5	4/18/2002

Long Description:

FACILITY	CM	**0000148657**	CLOSE	BKR S6 - OPENED AUTO DUE TO BLOWN FUSE ASSOC. TO ATKOMATIC VALVE RELAY	2	2/11/2002	19093	98397	16.0	4/10/2002

Long Description:
STATION: SPRAINBROOK
EQUIPMENT TYPE REASON OOS DATE UPDATE PICTURE
BKR S6 Merlin O/A 2/9/200 2/10/200
DISCREPANCY
OPEN AUTO
STATUS
23:08 Bkr S6 O/A on low air. Pressure at 280 psi on low side. D.O. reports no alarm on SOCCS. Alarm received in control room but operator was on O/O.
2/10/02
00:45 Alpha pager sent and field supv notf'd.
00:50 Mtce in station to check breaker alarm setting and cause of no pressure build up.
02:01 Bkr S6 C/I. Mtce found blown fuse associated with Aklomatic valve relay.

FACILITY	CMP	**0000139626**	CLOSE	0500-02 DEW POINT TESTING -BKR S6	9	12/3/2001	19093		2.0	1/25/2002

Long Description:

Redacted

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MAXIMO REPORT: EQUIPMENT HISTORY

Station: SPRAINBROOK **Equipment: BKR-0001816** **SB-CIRCUIT BREAKER-S6 **RETIRED****

RESP AREA	WORK TYPE	WORK NUMBER	STATUS	DESCRIPTION	PRTY	REPORT DATE	REPORTED BY	SUPV	HRS	ACTUAL FINISH
FACILITY Long Description:	CM	**0000133216**	CLOSE	BKR S6 -ONE HEATER N/G	9	10/14/2001	15477	98397	2.0	12/1/2001
FACILITY Long Description:	CMP	**0000129904**	CLOSE	0500-28 BKR SUMM/WINT INSP S6	1	9/27/2001	19093		1.3	11/19/2001
FACILITY Long Description:	CMP	**0000110541**	CLOSE	0500-28 BKR SUMM/WINT INSP S6	1	4/25/2001	19093		1.5	6/20/2001
FACILITY Long Description:	CMP	**0000086510**	CLOSE	0500-02 DEW POINT TESTING -BKR S6	9	12/1/2000	19093		4.0	2/1/2001
FACILITY Long Description: **Work on these heads to be done at Ramapo S.S. Vendor at site.**	CM	**0000085430**	CLOSE	REBUILD S-6 BREAKER HEADS FROM DT	4	11/22/2000	01150	98397	540.0	1/30/2001
AUXSUP Long Description:	HPOT	**0000080132**	CLOSE	SB-BKR S6 - AUXSUP TO SET UP HI-POT OF BREAKER	4	11/13/2000	19093	98397	56.0	12/1/2000
FACILITY Long Description:	CM	**0000080065**	CLOSE	BKR-S6 REMOVE AND REPLACE BKR HEADS	4	11/9/2000	03896	98397	176.0	1/30/2001
PROTSYS Long Description:	SR	**0000079499**	CLOSE	BKR S6 - PST TO PERFORM DOBLE TESTING	4	11/2/2000	80509		0.0	1/30/2001
FACILITY Long Description:	CMP	**0000077069**	CLOSE	0500-28 BKR SUMM/WINT INSP S6	1	10/12/2000	19093		0.0	10/26/2000
FACILITY Long Description:	CMP	**0000071799**	CLOSE	0500-02 DEW POINT TESTING -BKR S6	9	9/5/2000	19093		1.0	10/16/2000
FACILITY Long Description:	CMP	**0000063912**	CLOSE	0500-02 DEW POINT TESTING -BKR S6	9	6/12/2000	19093		3.0	7/17/2000
FACILITY Long Description:	CM	**0000061609**	CLOSE	BKR S6 - REPLACE ATKOMATIC VALVE	9	5/22/2000	19093	98397	8.0	5/21/2000
FACILITY Long Description:	CMP	**0000049662**	CLOSE	0500-02 CIRCUIT BREAKER - S6 - DEW POINT TEST	9	2/7/2000	19093		2.0	5/2/2000

Redacted

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MAXIMO REPORT: EQUIPMENT HISTORY

Station: SPRAINBROOK **Equipment: BKR-0001816** **SB-CIRCUIT BREAKER-S6 **RETIRED****

RESP AREA	WORK TYPE	WORK NUMBER	STATUS	DESCRIPTION	PRTY	REPORT DATE	REPORTED BY	SUPV	HRS	ACTUAL FINISH
FACILITY	CM	**0000048903**	CLOSE	BKR.S6,DIAGNOSTIC TESTING	4	2/2/2000	98397	98397	0.0	4/21/2000
Long Description:										
FACILITY	CM	**0000044063**	CLOSE	BKR S6 - REPAIR AKTO-MATIC VALVE,RELAY & PR. SW.	9	12/9/1999	19093	98397	17.0	12/9/1999
Long Description:										
FACILITY	CM	**0000042128**	CLOSE	BKR S6 - REPAIR PRESSURE VALVE ON COMPRESSOR	9	11/22/1999	19093	98397	52.0	2/8/2000
Long Description:										
PROTSYS	SR	**0000036816**	CLOSE	S6 TRIPPED ON GROUNDS IN STATION	9	10/12/1999	84038		24.0	10/12/1999
Long Description:										
FACILITY	CM	**0000036668**	CLOSE	BREAKER S6 - EMERGENCY REPAIRS	9	10/11/1999	19093	98397	100.0	10/25/1999
Long Description: **BKR S6 TRIPPED DUE TO NEGATIVE GROUND.**										
FACILITY	CMP	**0000030109**	CLOSE	500-02 CIRCUIT BREAKER - S6 - DEW POINT TEST	9	8/12/1999	19093	98397	2.0	8/16/1999
Long Description:										
FACILITY	DT	**0000015972**	CLOSE	BKR- BKR S6	4	4/13/1999	80509		323.5	12/29/2000
Long Description: **Diagnostic test result indicated that all heads had to be replaced.**										

50 total work order(s) having 2191.75 hours.

Redacted

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MAXIMO REPORT: EQUIPMENT HISTORY

Station: DUNWOODIE NORTH 345 **Equipment: BKR-0001849** **DUN 345-CIRCUIT BREAKER-6**

RESP AREA	WORK TYPE	WORK NUMBER	STATUS	DESCRIPTION	PRTY	REPORT DATE	REPORTED BY	SUPV	HRS	ACTUAL FINISH
AUXSUP	CAP	**0008147133**	COMP	DUNW 345KV- BKR 6 & 8, SECT. 6-8- AC & DC HIPOTS AFTER LIFE EXT. OH	3	5/7/2008	49436	49436	261.0	5/25/2008

Long Description: **The bus section 6-8 at Dunwoodie will undergo a life extension overhaul which includes work on circuit breakers 6 and 8 and the associated disconnect and ground switches. Also, new potential transformers will be installed in section 6-8 and the temporary CCVT's on Feeder W90 will be removed. All wiring that was temporarily moved to the W90 CCVT's will be moved back the section PT's. The scope of work is detailed in the attached proposal by ABB:**
Circuit Breakers 6 and 8

Two AC hipots from W74 air bushings at 400kv ac (ABB contracted to do) w/ASM assisting and 1 modified dc hipot at 325 kv, all phases tied from W74 air bushings (done by ASM..

AC Proof Test Data

Location Of Test: Dunw Mini Bus Equip. Bkr 8 & BS 6-8 Date: 5/18/2008 Starting Time:

Voltage Applied: 400 kv ac Duration of Test: 1 min. at top end Station Set/Truck # Hipo Rental Performed By:

Test OK: Test Failed: Surged: End Time:

TEST DATA : A Phase
AC KILOVOLTS Duration Amps Remarks:
40 kv 20 min's 0.09
80 kv 20 min's 0.19
120 kv 20 min's 0.3
160 kv 20 min's 0.4
200 kv 20 min's 0.51
240 kv 1 min. 0.62
280 kv 1 min. 0.71
320 kv 1 min. 0.82
360 kv 1 min 0.93 note: set tripped at 360 w/ping in section, restart & brought right
400 kv 1 min. 1.02 back to 360kv and continued test ok

TEST DATA : B Phase
AC KILOVOLTS Duration Amps Remarks:
40 kv 20 min's 0.08
80 kv 20 min's 0.18
120 kv 20 min's 0.28
160 kv 20 min's 0.38
200 kv 20 min's 0.47
240 kv 1 min. 0.56
280 kv 1 min. 0.66

Redacted

MAXIMO REPORT: EQUIPMENT HISTORY

Station: DUNWOODIE NORTH 345 Equipment: BKR-0001849 DUN 345-CIRCUIT BREAKER-6

RESP AREA	WORK TYPE	WORK NUMBER	STATUS	DESCRIPTION	PRTY	REPORT DATE	REPORTED BY	SUPV	HRS	ACTUAL FINISH

320 kv 1 min. 0.75
360 kv 1 min 0.85
400 kv 1 min. 0.94

TEST DATA : C Phase
AC KILOVOLTS Duration Amps Remarks:
40 kv 20 min's 0.09
80 kv 20 min's 0.19
120 kv 20 min's 0.29
160 kv 20 min's 0.4
200 kv 20 min's 0.5
240 kv 1 min. 0.61
280 kv 1 min. 0.71
320 kv 1 min. 0.82
360 kv 1 min 0.93
400 kv 1 min. 1.03

DC Proof Test Data

Location Of Test: Dunw 345 Equip. Fdr W74 Date: 5/19/2008 Starting Time:

Voltage Applied: 325kv dc Duration of Test: 5 min's Station Set/Truck # V1 Performed By:

Test OK: Test Failed: Surged: End Time:

TEST DATA : All phase
ELAPSED TIME DC KILOVOLTS MILLIAMPS Remarks:
0 sec. 325 1 As per EO-4022
15 sec. 325 1 All phases tied.
30 sec. 325 1 Set leakage= .1 ma
45 sec. 325 1
1 min. 325 1
2 min. 325 1
3 min. 325 1
4 min. 325 1
5 min. 325 1
Fdr dissipated entirely in 15 mins.

AC Proof Test Data

Location Of Test: Dunw Mini Bus Equip. Bkr 6 & BS 6-8 Date: 5/24/2008 Starting Time:

Redacted

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MAXIMO REPORT: EQUIPMENT HISTORY

Station: DUNWOODIE NORTH 345 Equipment: BKR-0001849 DUN 345-CIRCUIT BREAKER-6

RESP AREA	WORK TYPE	WORK NUMBER	STATUS	DESCRIPTION	PRTY	REPORT DATE	REPORTED BY	SUPV	HRS	ACTUAL FINISH

Voltage Applied: 400 kv ac Duration of Test: 1 min. at top end Station Set/Truck # Hipo Rental Performed By:

Test OK: Test Failed: Surged: End Time:

TEST DATA : A Phase

AC KILOVOLTS Duration Amps Remarks: FAILED @ 400KV AFTER 20 SECS. The 2nd try failed @ 260kv. The 3rd time passed @ 400kv .89a

40 kv 20 min's 0.08 used dielectric pole to guide lead away from wave trap
80 kv 20 min's 0.18
120 kv 20 min's 0.34
160 kv 20 min's 0.35
200 kv 20 min's 0.46
240 kv 1 min. 0.54
280 kv 1 min. 0.63
320 kv 1 min. 0.72
360 kv 1 min 0.81
400 kv 1 min. 0.9

TEST DATA : B Phase

AC KILOVOLTS Duration Amps Remarks:

40 kv 20 min's 0.07 used dielectric pole to guide lead away from wave trap
80 kv 20 min's 0.15
120 kv 20 min's 0.25
160 kv 20 min's 0.33
200 kv 20 min's 0.56
240 kv 1 min. 0.58
280 kv 1 min. 0.65
320 kv 1 min. 0.77 note: re-tuned test set
360 kv 1 min 0.83
400 kv 1 min. 0.96

TEST DATA : C Phase

AC KILOVOLTS Duration Amps Remarks:

40 kv 20 min's 0.06
80 kv 20 min's 0.15
120 kv 20 min's 0.23
160 kv 20 min's 0.31
200 kv 20 min's 0.4
240 kv 1 min. 0.51
280 kv 1 min. 0.59
320 kv 1 min. 0.68

Redacted

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MAXIMO REPORT: EQUIPMENT HISTORY

Station: DUNWOODIE NORTH 345 **Equipment: BKR-0001849** **DUN 345-CIRCUIT BREAKER-6**

RESP AREA	WORK TYPE	WORK NUMBER	STATUS	DESCRIPTION	PRTY	REPORT DATE	REPORTED BY	SUPV	HRS	ACTUAL FINISH
	360 kv 1 min 0.76 **400 kv 1 min. 0.84**									
	FAILED @ 400KV AFTER 20 SECS. The 2nd try failed @ 260kv. The 3rd time passed @ 400kv .89a on A phase									
FACILITY	RET	**0008054342**	CLOSE	BKR 6 (OH) - RETIREMENT PORTION OF OVERHAUL	4	4/2/2008	19093		298.5	4/28/2008
Long Description:										
FACILITY	GC	**0007980832**	CLOSE	GAS CALL- BKR 6	4	3/12/2008	82577	82577	12.0	3/12/2008
Long Description:										
FACILITY	CM	**0007903366**	CLOSE	INSPECT AND REPAIR COMPRESSOR MOTOR BELT ON BREAKER 6	2	2/24/2008	00594		12.0	2/25/2008
Long Description:										
FACILITY	CMP-0	**0007857935**	COMP	0500-28 BKR SUMMERIZATION INSP 6	4	2/8/2008	89260	15477	4.0	5/27/2008
Long Description:										
FACILITY	GC	**0007720734**	CLOSE	GAS CALL- BKR 6	4	1/4/2008	15187	15187	8.0	1/4/2008
Long Description:										
FACILITY	OH	**0007464002**	CLOSE	BKR 6 (OH) - CAPITAL PORTION OF OVERHAUL	4	10/24/2007	19093		1276.0	5/22/2008
Long Description:										
FACILITY	CMP-0	**0007310224**	CLOSE	0500-28 BKR WINTERIZATION INSP 6	4	9/30/2007	MAXADMIN	00734	8.0	12/14/2007
Long Description:										
FACILITY	CVIR	**0007299022**	CLOSE	WORK ON DISCREPANCY ITEMS (LISTED ON PAD) —>	5	9/25/2007	00594	86516	0.5	2/25/2008

Long Description: **DUNWOODIE MINIBUS BREAKER 6**

- HEATER WIRES ON RIGHT, ARE FRAYED

- NO NAME PLATE ON ALARM PRESSURE SWITCH

- RIGHT SIDE RELAYS MISSING COVERS

- LEFT SIDE CABINET BARE UNLABELED BUNDLE OF WIRES

- DEFECTIVE LOCK ON LEFT SIDE OF CABINET

- TANK HEATER COVER MISSING HARDWARE

Redacted

MAXIMO REPORT: EQUIPMENT HISTORY

Station: DUNWOODIE NORTH 345 **Equipment: BKR-0001849** **DUN 345-CIRCUIT BREAKER-6**

RESP AREA	WORK TYPE	WORK NUMBER	STATUS	DESCRIPTION	PRTY	REPORT DATE	REPORTED BY	SUPV	HRS	ACTUAL FINISH
FACILITY Long Description:	CMP-0	**0007236356**	CLOSE	0500-02 DEW POINT TESTING -BKR 6	4	8/31/2007	MAXADMIN	88830	1.0	11/23/2007
FACILITY Long Description:	CMP-0	**0007154954**	APPR	0500-17 ANNUAL COMPRESSOR BKR 6	4	7/31/2007	MAXADMIN	88830	0.0	
FACILITY Long Description:	GC	**0007019510**	CLOSE	GAS CALL- BKR 6	2	6/8/2007	88029	88029	2.0	6/8/2007
FACILITY Long Description:	CMSEA	**0006944248**	APPR	BKR 6 - REPAIR HIGH PRESSURE TANK CABINET	3	5/22/2007	04765		0.0	
FACILITY Long Description:	CMP	**0006593043**	CLOSE	0500-28 BKR SUMMERIZATION INSP 6	2	2/28/2007	MAXADMIN	04765	0.0	5/22/2007
FACILITY Long Description:	CMP	**0006101013**	CLOSE	0500-28 BKR WINTERIZATION INSP 6	2	9/30/2006	MAXADMIN	16108	0.0	12/1/2006
FACILITY Long Description:	CMP	**0005988162**	CLOSE	0500-02 DEW POINT TESTING -BKR 6	2	8/31/2006	MAXADMIN	70286	1.0	6/7/2007
FACILITY Long Description:	CMP	**0005880856**	CLOSE	0500-17 ANNUAL COMPRESSOR BKR 6	2	7/31/2006	MAXADMIN	56751	0.0	8/14/2006
FACILITY Long Description:	CMP	**0005315264**	CLOSE	0500-28 BKR SUMMERIZATION INSP 6	2	2/28/2006	MAXADMIN	15477	2.0	5/10/2006
FACILITY Long Description:	ALARM	**0005020247**	CLOSE	TRIP CIRCUIT MONITORING ALARM	3	12/5/2005	15477	15187	22.0	12/27/2005
FACILITY Long Description:	CMP	**0000341209**	CLOSE	0500-28 BKR WINTERIZATION INSP 6	2	9/25/2005	PMWOGEN	87625	2.0	12/28/2005
FACILITY Long Description:	CMP	**0000333989**	CLOSE	0500-02 DEW POINT TESTING -BKR 6	2	8/25/2005	PMWOGEN	49112	0.0	9/7/2005
FACILITY Long Description:	CMP	**0000301065**	CLOSE	0500-28 BKR SUMMERIZATION INSP 6	4	2/25/2005	PMWOGEN	15477	1.5	4/3/2005
PROTSYS Long Description:	SR	**0000284839**	CLOSE	BREAKER #6 DOBLE TESTS	4	12/9/2004	14974	29552	20.0	3/21/2005

Redacted

MAXIMO REPORT: EQUIPMENT HISTORY

Station: DUNWOODIE NORTH 345 **Equipment: BKR-0001849** **DUN 345-CIRCUIT BREAKER-6**

RESP AREA	WORK TYPE	WORK NUMBER	STATUS	DESCRIPTION	PRTY	REPORT DATE	REPORTED BY	SUPV	HRS	ACTUAL FINISH
PROTSYS Long Description:	SR	**0000284327**	CLOSE	BREAKER 6 CLOSE-IN-FAULT PROTECTION	3	12/1/2004	14974	01735	24.0	3/21/2005
FACILITY Long Description:	CM	**0000277018**	CLOSE	T/S BREAKER 6 TRIP FREE	3	10/21/2004	14180	05506	16.0	10/25/2004
FACILITY Long Description:	CMP	**0000274429**	CLOSE	0500-28 BKR WINTERIZATION INSP 6	4	9/25/2004	PMWOGEN	15477	2.0	10/31/2004
FACILITY Long Description:	CMP	**0000268754**	CLOSE	0500-02 DEW POINT TESTING -BKR 6	4	8/25/2004	PMWOGEN	99294	3.0	9/1/2004
FACILITY Long Description:	CMP	**0000245738**	CLOSE	0500-28 BKR SUMMERIZATION INSP 6	4	2/28/2004	PMWOGEN	15477	0.5	5/16/2004
FACILITY Long Description:	GC	**0000243545**	CLOSE	GAS CALL- BKR 6	2	2/27/2004	15477	15477	3.0	2/27/2004
FACILITY Long Description:	DT	**0000227398**	CLOSE	BKR- 6 (DT)	3	10/8/2003	39418	05506	428.5	12/20/2004
FACILITY Long Description:	CMP	**0000225801**	CLOSE	0500-28 BKR SUMM/WINT INSP 6	4	9/29/2003	14180	15477	2.0	10/11/2003
FACILITY Long Description:	GC	**0000216751**	CLOSE	GAS CALL- BKR 6	2	7/18/2003	86349	86349	4.0	7/18/2003
FACILITY Long Description:	CM	**0000216712**	CLOSE	BKR 6 - TROUBLESHOOT GAS ALARM ON BKR	3	7/18/2003	54992	54992	12.0	8/1/2003
FACILITY Long Description:	CMP	**0000211964**	CLOSE	0500-02 DEW POINT TESTING -BKR 6	2	6/9/2003	19093	99294	0.0	12/11/2003
FACILITY Long Description:	CMP	**0000211958**	CLOSE	0500-02 DEW POINT TESTING -BKR 6	4	6/9/2003	19093	99294	2.0	7/7/2003
FACILITY Long Description:	CMP	**0000203773**	CLOSE	0500-28 BKR SUMM/WINT INSP 6	2	4/1/2003	19093		1.3	5/4/2003
FACILITY Long Description:	CMP	**0000187902**	CLOSE	0500-02 DEW POINT TESTING -BKR 6	2	12/2/2002	19093		3.0	1/2/2003

Redacted

MAXIMO REPORT: EQUIPMENT HISTORY

Station: DUNWOODIE NORTH 345 **Equipment: BKR-0001849** **DUN 345-CIRCUIT BREAKER-6**

RESP AREA	WORK TYPE	WORK NUMBER	STATUS	DESCRIPTION	PRTY	REPORT DATE	REPORTED BY	SUPV	HRS	ACTUAL FINISH
FACILITY Long Description:	CMP	**0000178082**	CLOSE	0500-28 BKR SUMM/WINT INSP 6	2	10/1/2002	19093		7.0	12/20/2002
FACILITY Long Description:	CMP	**0000153562**	CLOSE	0500-28 BKR SUMM/WINT INSP 6	2	3/19/2002	15477		2.5	5/11/2002
FACILITY Long Description:	CMP	**0000139623**	CLOSE	0500-02 DEW POINT TESTING -BKR 6	9	12/3/2001	19093		2.0	12/13/2001
FACILITY Long Description:	GC	**0000136532**	CLOSE	GAS CALL GCB/ITE MODC 6	1	11/4/2001	19093		0.0	12/10/2001
FACILITY Long Description:	CMP	**0000129820**	CLOSE	0500-28 BKR SUMM/WINT INSP 6	1	9/27/2001	19093		0.5	10/15/2001
FACILITY Long Description:	CM	**0000113491**	CLOSE	CHANGE CT WIRING FROM CONT.CAB. TO PNL. 4-5	9	5/16/2001	19963	19963	134.0	5/30/2001
FACILITY Long Description:	CMP	**0000110450**	CLOSE	0500-28 BKR SUMM/WINT INSP 6	1	4/25/2001	19093		0.0	6/22/2001
FACILITY Long Description:	CM	**0000092441**	CLOSE	BKR#6 REBUILD OPER.MECH.& CLOSING VALVE	9	12/29/2000	98397	98397	8.0	2/17/2001
FACILITY Long Description:	GC	**0000089107**	CLOSE	GAS CALL- BKR 6	0	12/20/2000	19093		4.0	2/28/2003
FACILITY Long Description:	CM	**0000087609**	CLOSE	INVETIGATE TRIP CIRCUIT	9	12/11/2000	19963	19963	166.0	8/15/2001
FACILITY Long Description:	CMP	**0000086507**	CLOSE	0500-02 DEW POINT TESTING -BKR 6	9	12/1/2000	19093		1.0	2/2/2001
FACILITY Long Description:	CMP	**0000076982**	CLOSE	0500-28 BKR SUMM/WINT INSP 6	1	10/12/2000	19093		0.5	10/11/2000
FACILITY Long Description:	CMP	**0000071794**	CLOSE	0500-02 DEW POINT TESTING -BKR 6	9	9/5/2000	19093		2.0	10/16/2000
FACILITY Long Description:	CM	**0000067468**	CLOSE	BREAKER WILL NOT CLOSE	9	7/18/2000	19093	19963	8.0	9/7/2000

Redacted

MAXIMO REPORT: EQUIPMENT HISTORY

Station: DUNWOODIE NORTH 345 **Equipment: BKR-0001849** **DUN 345-CIRCUIT BREAKER-6**

RESP AREA	WORK TYPE	WORK NUMBER	STATUS	DESCRIPTION	PRTY	REPORT DATE	REPORTED BY	SUPV	HRS	ACTUAL FINISH
FACILITY Long Description:	CMP	**0000063907**	CLOSE	0500-02 DEW POINT TESTING -BKR 6	9	6/12/2000	19093		2.0	7/17/2000
FACILITY Long Description:	GC	**0000063527**	CLOSE	DUN 345-GAS CALL GCB/ITE MODC 6	1	6/7/2000	07945	12700	0.0	6/15/2000
FACILITY Long Description:	GC	**0000063432**	CLOSE	DUN 345-GAS CALL GCB/ITE MODC 6	1	6/7/2000	19093	12700	0.0	6/7/2000
FACILITY Long Description:	CMP	**0000049657**	CLOSE	0500-02 CIRCUIT BREAKER - 6 - DEW POINT TEST	9	2/7/2000	19093		0.0	6/7/2000
FACILITY Long Description:	GC	**0000038951**	CLOSE	DUN 345-GAS CALL GCB/ITE MODC 6	1	10/26/1999	19093	12700	0.0	10/26/1999
FACILITY Long Description:	CMP	**0000038587**	CLOSE	0500-28-CIR BKRS WINTERIZATION - BKR #6	1	10/21/1999	19093	12700	0.0	11/30/1999
FACILITY Long Description:	CMP	**0000023803**	CLOSE	500-02 CIRCUIT BREAKER - 6 - DEW POINT TEST	9	6/18/1999	19093	12700	1.0	6/17/1999
FACILITY Long Description:	GC	**0000022162**	CLOSE	DUN 345-GAS CALL GCB/ITE MODC 6	1	6/4/1999	19093	12700	35.0	12/24/2000
FACILITY Long Description:	CMP	**0000020725**	CLOSE	500-28-CIR BKRS WINTERIZATION IN	1	5/26/1999	98219		0.0	5/26/1999
FACILITY Long Description:	GC	**0000011620**	CLOSE	LGA - BKR 6	9	2/9/1999	54992		8.0	4/27/1999
FACILITY Long Description:	GC	**0000011401**	CLOSE	BKR 6 -LGA	9	2/7/1999	54992		2.0	2/9/1999

62 total work order(s) having 2816.25 hours.

Redacted

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MAXIMO REPORT: EQUIPMENT HISTORY

Station: DUNWOODIE NORTH 345 **Equipment: BKR-0001855** **DUN 345-CIRCUIT BREAKER-8**

RESP AREA	WORK TYPE	WORK NUMBER	STATUS	DESCRIPTION	PRTY	REPORT DATE	REPORTED BY	SUPV	HRS	ACTUAL FINISH
FACILITY	RET	**0008054327**	CLOSE	BKR 8 (OH) - RETIREMENT PORTION OF OVERHAUL	5	4/2/2008	19093		327.5	4/27/2008
Long Description:										
FACILITY	CMP-0	**0007858040**	COMP	0500-28 BKR SUMMERIZATION INSP 8	4	2/8/2008	89260	15477	4.0	5/27/2008
Long Description:										
FACILITY	GC	**0007720767**	CLOSE	GAS CALL- BKR 8	4	1/4/2008	15187	15187	7.0	1/4/2008
Long Description:										
FACILITY	CMP-0	**0007310294**	CLOSE	0500-28 BKR WINTERIZATION INSP 8	4	9/30/2007	MAXADMIN	00734	8.0	12/14/2007
Long Description:										
FACILITY	CVIR	**0007299055**	CLOSE	WORK ON DISCREPANCY ITEMS (LISTED ON PAD) —>	5	9/25/2007	00594	86516	0.5	2/25/2008

Long Description: **DUNWOODIE MINIBUS BREAKER 8**

- RIGHT SIDE PRESSURE SWITCH MISSING NAME PLATES

- TIMER MISSING TURN KNOB

- DEFECTIVE LOCK RIGHT SIDE

- LEFT SIDE OF CABINET EXPOSED WIRE BEHIND PUSH BUTTON AND JUMPER TAG

- LEFT SIDE OF CABINET PRESSURE SWITCH MISSING NAME PLATE

FACILITY	CMP-0	**0007236439**	CLOSE	0500-02 DEW POINT TESTING -BKR 8	4	8/31/2007	MAXADMIN	88830	1.0	11/23/2007
Long Description:										
FACILITY	CMP-0	**0007154983**	APPR	0500-17 ANNUAL COMPRESSOR BKR 8	4	7/31/2007	MAXADMIN	88830	0.0	
Long Description:										
FACILITY	OH	**0007037501**	COMP	BKR 8 (OH) - CAPITAL PORTION OF OVERHAUL	4	6/19/2007	19093		1010.5	5/8/2008
Long Description:										
FACILITY	CMSEA	**0006944180**	APPR	BKR 8 - REPAIR HIGH PRESSURE TANK CABINETS AND HEATERS	3	5/21/2007	04765		0.0	
Long Description:										
FACILITY	CMP	**0006593077**	CLOSE	0500-28 BKR SUMMERIZATION INSP 8	2	2/28/2007	MAXADMIN	04765	0.0	5/21/2007
Long Description:										

Redacted

MAXIMO REPORT: EQUIPMENT HISTORY

Station: DUNWOODIE NORTH 345 **Equipment: BKR-0001855** **DUN 345-CIRCUIT BREAKER-8**

RESP AREA	WORK TYPE	WORK NUMBER	STATUS	DESCRIPTION	PRTY	REPORT DATE	REPORTED BY	SUPV	HRS	ACTUAL FINISH
FACILITY Long Description:	CMP	**0006101083**	CLOSE	0500-28 BKR WINTERIZATION INSP 8	2	9/30/2006	MAXADMIN	16108	0.0	12/1/2006
FACILITY Long Description:	CM	**0005990446**	CLOSE	T/S & REPAIR HEATER CIRCUIT BREAKER 8	4	8/31/2006	15477		24.0	12/3/2006
FACILITY Long Description:	CMP	**0005988247**	CLOSE	0500-02 DEW POINT TESTING -BKR 8	2	8/31/2006	MAXADMIN	56751	0.0	1/22/2007
FACILITY Long Description:	GC	**0005976553**	CLOSE	GAS CALL- BKR 8	2	8/30/2006	00323	00323	7.0	8/30/2006
FACILITY Long Description:	CMP	**0005880885**	CLOSE	0500-17 ANNUAL COMPRESSOR BKR 8	2	7/31/2006	MAXADMIN	56751	0.0	8/14/2006
FACILITY Long Description:	GC	**0005631425**	CLOSE	GAS CALL- BKR 8	2	5/12/2006	58747	58747	4.0	5/12/2006
FACILITY Long Description:	CM	**0005631194**	CLOSE	BREAKER 8 AIR LEAK	3	5/11/2006	14180		14.0	5/12/2006
FACILITY Long Description:	CM	**0005549316**	CLOSE	T/S & REPAIR BREAKER 8 TRIP ON LOW GAS	5	4/26/2006	15477	58747	16.0	4/26/2006
FACILITY Long Description:	GC	**0005437279**	CLOSE	GAS CALL- BKR 8	2	3/21/2006	87625	87625	5.0	3/21/2006
FACILITY Long Description:	GC	**0005327247**	CLOSE	GAS CALL- BKR 8	2	2/28/2006	58712	58712	5.0	2/28/2006
FACILITY Long Description:	CMP	**0005315332**	CLOSE	0500-28 BKR SUMMERIZATION INSP 8	2	2/28/2006	MAXADMIN	15477	1.8	5/3/2006
FACILITY Long Description:	GC	**0005269545**	CLOSE	GAS CALL- BKR 8	2	2/10/2006	00609	00609	8.0	2/10/2006
FACILITY Long Description:	GC	**0005060302**	CLOSE	GAS CALL- BKR 8	2	12/13/2005	15477	15477	0.0	3/15/2006
FACILITY Long Description:	GC	**0004939398**	CLOSE	GAS CALL- BKR 8	2	11/18/2005	19093	00323	14.0	1/8/2006

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MAXIMO REPORT: EQUIPMENT HISTORY

Station: DUNWOODIE NORTH 345 **Equipment: BKR-0001855** **DUN 345-CIRCUIT BREAKER-8**

RESP AREA	WORK TYPE	WORK NUMBER	STATUS	DESCRIPTION	PRTY	REPORT DATE	REPORTED BY	SUPV	HRS	ACTUAL FINISH
FACILITY Long Description:	GC	**0000343441**	CLOSE	GAS CALL- BKR 8	2	10/11/2005	05506	05506	10.0	10/11/2005
FACILITY Long Description:	GC	**0000342865**	CLOSE	GAS CALL- BKR 8	2	10/4/2005	00323	00323	8.0	10/4/2005
FACILITY Long Description:	CMP	**0000341211**	CLOSE	0500-28 BKR WINTERIZATION INSP 8	2	9/25/2005	PMWOGEN	87625	2.0	12/29/2005
PROTSYS Long Description:	SR	**0000338168**	CLOSE	BREAKER #8 AIR/GAS ALARM	3	9/15/2005	14974	80042	8.0	8/20/2006
FACILITY Long Description:	GC	**0000336453**	CLOSE	GAS CALL- BKR 8	2	9/4/2005	05506	05506	0.0	9/4/2005
FACILITY Long Description:	CMP	**0000333990**	CLOSE	0500-02 DEW POINT TESTING -BKR 8	2	8/25/2005	PMWOGEN	49112	0.0	9/7/2005
FACILITY Long Description:	GC	**0000333376**	CLOSE	GAS CALL- BKR 8	2	8/19/2005	15477	15477	4.0	8/19/2005
FACILITY Long Description:	GC	**0000327775**	CLOSE	GAS CALL- BKR 8	2	7/18/2005	87625	87625	3.0	7/18/2005
FACILITY Long Description:	GC	**0000325818**	CLOSE	GAS CALL- BKR 8	2	6/27/2005	03268	03268	4.0	6/27/2005
FACILITY Long Description:	GC	**0000315884**	CLOSE	GAS CALL- BKR 8	2	5/19/2005	19093	19093	0.0	5/19/2005
FACILITY Long Description:	CM	**0000309316**	CLOSE	AIR LEAK AT VALVE FLANGE	5	4/3/2005	15477	15477	0.0	9/11/2006
FACILITY Long Description:	GC	**0000309265**	CLOSE	GAS CALL- BKR 8	2	4/1/2005	15477	15477	6.0	4/1/2005
FACILITY Long Description:	CMP	**0000301067**	CLOSE	0500-28 BKR SUMMERIZATION INSP 8	4	2/25/2005	PMWOGEN	15477	1.5	4/3/2005
FACILITY Long Description:	CMP	**0000274431**	CLOSE	0500-28 BKR WINTERIZATION INSP 8	4	9/25/2004	PMWOGEN	15477	2.0	10/31/2004

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MAXIMO REPORT: EQUIPMENT HISTORY

Station: DUNWOODIE NORTH 345 **Equipment: BKR-0001855** **DUN 345-CIRCUIT BREAKER-8**

RESP AREA	WORK TYPE	WORK NUMBER	STATUS	DESCRIPTION	PRTY	REPORT DATE	REPORTED BY	SUPV	HRS	ACTUAL FINISH
FACILITY Long Description:	CMP	**0000268755**	CLOSE	0500-02 DEW POINT TESTING -BKR 8	4	8/25/2004	PMWOGEN	99294	2.0	9/1/2004
FACILITY Long Description:	CMP	**0000245740**	CLOSE	0500-28 BKR SUMMERIZATION INSP 8	4	2/28/2004	PMWOGEN	15477	0.5	5/16/2004
FACILITY Long Description:	CMP	**0000225803**	CLOSE	0500-28 BKR SUMM/WINT INSP 8	4	9/29/2003	14180	15477	2.0	10/11/2003
FACILITY Long Description:	CMP	**0000211965**	CLOSE	0500-02 DEW POINT TESTING -BKR 8	2	6/9/2003	19093	99294	0.0	12/11/2003
FACILITY Long Description:	CMP	**0000211959**	CLOSE	0500-02 DEW POINT TESTING -BKR 8	4	6/9/2003	19093	99294	2.0	7/7/2003
FACILITY Long Description:	CMP	**0000203775**	CLOSE	0500-28 BKR SUMM/WINT INSP 8	2	4/1/2003	19093		1.3	5/4/2003
FACILITY Long Description:	DT	**0000193298**	CLOSE	BKR- 8 (DT)	2	1/10/2003	82650	14837	541.0	10/9/2003
FACILITY Long Description:	CMP	**0000187903**	CLOSE	0500-02 DEW POINT TESTING -BKR 8	2	12/2/2002	19093		2.0	4/8/2003
FACILITY Long Description:	CMP	**0000187723**	CLOSE	0500-02 DEW POINT TESTING -BKR 8	2	12/2/2002	19093		0.0	1/2/2003
FACILITY Long Description:	CMP	**0000178084**	CLOSE	0500-28 BKR SUMM/WINT INSP 8	2	10/1/2002	19093		3.0	12/19/2002
FACILITY Long Description:	GC	**0000175195**	CLOSE	GAS CALL- BKR 8	2	9/8/2002	19093		0.0	9/27/2002
FACILITY Long Description:	GC	**0000161476**	CLOSE	GAS CALL- BKR 8	2	5/12/2002	19093		0.0	9/27/2002
FACILITY Long Description:	CMP	**0000153564**	CLOSE	0500-28 BKR SUMM/WINT INSP 8	2	3/19/2002	15477		1.0	3/26/2002
FACILITY Long Description:	CMP	**0000139622**	CLOSE	0500-02 DEW POINT TESTING -BKR 8	9	12/3/2001	19093		2.0	12/13/2001

Redacted

MAXIMO REPORT: EQUIPMENT HISTORY

Station: DUNWOODIE NORTH 345 **Equipment: BKR-0001855** **DUN 345-CIRCUIT BREAKER-8**

RESP AREA	WORK TYPE	WORK NUMBER	STATUS	DESCRIPTION	PRTY	REPORT DATE	REPORTED BY	SUPV	HRS	ACTUAL FINISH
FACILITY Long Description:	GC	**0000136531**	CLOSE	GAS CALL GCB/ITE MODC 8	1	11/4/2001	19093		0.0	12/10/2001
FACILITY Long Description:	CM	**0000133164**	CLOSE	BKR 8 -RIGHT SIDE HEATER N/G	9	10/13/2001	15477		4.0	11/29/2001
FACILITY Long Description:	CMP	**0000129822**	CLOSE	0500-28 BKR SUMM/WINT INSP 8	1	9/27/2001	19093		0.5	11/19/2001
FACILITY Long Description:	GC	**0000125886**	CLOSE	GAS CALL- BKR 8	1	8/24/2001	84868		0.0	8/27/2001
FACILITY Long Description:	CMP	**0000110452**	CLOSE	0500-28 BKR SUMM/WINT INSP 8	1	4/25/2001	19093		0.0	6/22/2001
FACILITY Long Description:	CM	**0000092442**	CLOSE	BKR.#8 REBUILD OPER.MECH.& CLOSING VALVE	9	12/29/2000	98397	98397	0.0	2/17/2001
FACILITY Long Description:	GC	**0000089106**	CLOSE	GAS CALL- BKR 8	2	12/20/2000	19093		17.5	2/28/2003
FACILITY Long Description:	GC	**0000087941**	CLOSE	DUN 345-GAS CALL GCB/ITE MODC 8	1	12/13/2000	49112	12700	0.0	12/24/2000
FACILITY Long Description:	GC	**0000087940**	CLOSE	DUN 345-GAS CALL GCB/ITE MODC 8	1	12/13/2000	49112	12700	0.0	12/24/2000
FACILITY Long Description:	CMP	**0000086506**	CLOSE	0500-02 DEW POINT TESTING -BKR 8	9	12/1/2000	19093		3.0	2/12/2001
FACILITY Long Description:	CMP	**0000076980**	CLOSE	0500-28 BKR SUMM/WINT INSP 8	1	10/12/2000	19093		8.5	10/12/2000
FACILITY Long Description:	CMP	**0000071792**	CLOSE	0500-02 DEW POINT TESTING -BKR 8	9	9/5/2000	19093		2.0	10/16/2000
FACILITY Long Description:	CMP	**0000063905**	CLOSE	0500-02 DEW POINT TESTING -BKR 8	9	6/12/2000	19093		2.0	7/17/2000
FACILITY Long Description:	CMP	**0000049655**	CLOSE	0500-02 CIRCUIT BREAKER - 8 - DEW POINT TEST	9	2/7/2000	19093		2.0	5/2/2000

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MAXIMO REPORT: EQUIPMENT HISTORY

Station: DUNWOODIE NORTH 345 **Equipment: BKR-0001855** **DUN 345-CIRCUIT BREAKER-8**

RESP AREA	WORK TYPE	WORK NUMBER	STATUS	DESCRIPTION	PRTY	REPORT DATE	REPORTED BY	SUPV	HRS	ACTUAL FINISH
FACILITY Long Description:	CMP	**0000038585**	CLOSE	0500-28-CIR BKRS WINTERIZATION - BKR #8	1	10/21/1999	19093	12700	0.0	11/30/1999
FACILITY Long Description:	CMP	**0000023805**	CLOSE	500-02 CIRCUIT BREAKER - 8 - DEW POINT TEST	9	6/18/1999	19093	12700	1.0	6/17/1999
FACILITY Long Description:	GC	**0000022163**	CLOSE	DUN 345-GAS CALL GCB/ITE MODC 8	1	6/4/1999	19093	12700	4.0	12/24/2000
FACILITY Long Description:	CMP	**0000020723**	CLOSE	500-28-CIR BKRS WINTERIZATION IN	1	5/26/1999	98219		0.0	5/26/1999

70 total work order(s) having 2107 hours.

Redacted

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MAXIMO REPORT: EQUIPMENT HISTORY

Station: HUDSON AVE. EAST **Equipment: BKR-0002053** **HA EAST-CIRCUIT BREAKER-10**

RESP AREA	WORK TYPE	WORK NUMBER	STATUS	DESCRIPTION	PRTY	REPORT DATE	REPORTED BY	SUPV	HRS	ACTUAL FINISH
FACILITY Long Description:	DT	**0008145006**	APPR	BKR- 10 (DT)	4	5/6/2008	MAXADMIN		0.0	
FACILITY Long Description:	CM	**0007973792**	APPR	BKR 10 DOES NOT HAVE OPEN & CLOSE SIGNS FOR MECH. INDICATION	5	3/8/2008	18979		0.0	
FACILITY Long Description:	CM	**0007899044**	CLOSE	BKR#10 C PHASE BUSHING STATES LOW OIL ON INDICATOR. BUSHING ON DISC. 10-9 SIDE.	5	2/21/2008	85605		16.0	2/27/2008
FACILITY Long Description:	GC	**0007888809**	CLOSE	GAS CALL BKR 10	4	2/16/2008	87752	87752	0.0	2/16/2008
FACILITY Long Description:	CMP-0	**0007865341**	CLOSE	0500-28 SUMMERIZATION INSP BKR 10	4	2/8/2008	89260	18903	5.0	5/14/2008
FACILITY Long Description:	CMP-0	**0007339715**	CLOSE	0500-28 WINTERIZATION INSP BKR 10	4	10/1/2007	MAXADMIN	18081	2.0	11/9/2007
FACILITY Long Description:	CMP-0	**0007146151**	APPR	0500-17 ANNUAL COMPRESSOR BKR 10	4	7/31/2007	MAXADMIN	12977	0.0	
FACILITY Long Description:	CMP	**0007072858**	CLOSE	0500-02 DEW POINT TESTING -BKR-10	4	6/30/2007	MAXADMIN	12977	0.0	9/19/2007
FACILITY Long Description:	CMP	**0006652595**	CLOSE	0500-28 SUMMERIZATION INSP BKR 10	2	3/1/2007	MAXADMIN	17090	2.0	5/10/2007
FACILITY Long Description:	OH	**0006498762**	APPR	BKR- 10 (OH)	4	1/30/2007	12977		0.0	
FACILITY Long Description:	GC	**0006353976**	CLOSE	GAS CALL- BKR 10	2	12/5/2006	56636	56636	0.0	12/5/2006
FACILITY Long Description:	CMP	**0006074545**	CLOSE	0500-28 BKR WINTERIZATION INSP 10	2	9/30/2006	MAXADMIN	07265	3.0	11/22/2006
FACILITY Long Description:	CMP	**0005872745**	CLOSE	0500-17 ANNUAL COMPRESSOR BKR 10	2	7/31/2006	MAXADMIN	20094	0.0	6/26/2007

Redacted

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MAXIMO REPORT: EQUIPMENT HISTORY

Station: HUDSON AVE. EAST **Equipment: BKR-0002053** **HA EAST-CIRCUIT BREAKER-10**

RESP AREA	WORK TYPE	WORK NUMBER	STATUS	DESCRIPTION	PRTY	REPORT DATE	REPORTED BY	SUPV	HRS	ACTUAL FINISH
FACILITY	CMP	**0005352094**	CLOSE	0500-28 BKR SUMMERIZATION INSP 10	2	2/28/2006	MAXADMIN	10479	2.0	4/17/2006
Long Description:										
FACILITY	GC	**0005027605**	CLOSE	GAS CALL- BKR 10	2	12/8/2005	56636	56636	0.0	12/8/2005
Long Description:										
FACILITY	CM	**0000344026**	CLOSE	BREAKER 10 WILL NOT CLOSE	5	10/17/2005	17366	17366	44.5	1/17/2006
Long Description:										
FACILITY	CMP	**0000341216**	CLOSE	0500-28 BKR WINTERIZATION INSP 10	2	9/25/2005	PMWOGEN	17090	2.0	12/2/2005
Long Description:										
FACILITY	CMP	**0000301075**	CLOSE	0500-28 BKR SUMMERIZATION INSP 10	4	2/25/2005	PMWOGEN	44583	1.0	4/19/2005
Long Description:										
FACILITY	CMP	**0000274440**	CLOSE	0500-28 BKR WINTERIZATION INSP 10	4	9/25/2004	PMWOGEN	49539	4.0	11/15/2004
Long Description:										
FACILITY	CMP	**0000245749**	CLOSE	0500-28 BKR SUMMERIZATION INSP 10	4	2/28/2004	PMWOGEN	44583	3.0	5/18/2004
Long Description:										
FACILITY	GC	**0000235933**	CLOSE	GAS CALL- BKR 10	2	12/8/2003	18979	18979	0.0	12/8/2003
Long Description:										
FACILITY	INFO	**0000229224**	CLOSE	-CIRCUIT BREAKER-10 138 KV OA	5	10/24/2003	72593		0.0	10/24/2003
Long Description: **HUDSON AVE. EAST**										

Equipment Name Voltage Outage
Type OOS Date Projected
Restoration Actual
Restoration Outage Work
Description Contact
HA EAST-CIRCUIT BREAKER-10 138 kv OA 10/23/2003 11:10
Outage Step Step Start Step End Work Description Work Location Comments
No Steps Defined for Date Range Specified.
Status Date Note
10/23/2003 17:00 WP issued to SSM to check and repair Bkr 10 closing coil.
10/23/2003 22:40 WP issued to SSM to check and repair Bkr 10 closing coil returned complete.

Redacted

Exhibit __ (SIIP-1)
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MAXIMO REPORT: EQUIPMENT HISTORY

Station: HUDSON AVE. EAST **Equipment: BKR-0002053** **HA EAST-CIRCUIT BREAKER-10**

RESP AREA	WORK TYPE	WORK NUMBER	STATUS	DESCRIPTION	PRTY	REPORT DATE	REPORTED BY	SUPV	HRS	ACTUAL FINISH
FACILITY	CM	**0000229220**	CLOSE	CHECK & VAIRIFY GAS ALARM TO CONTROL ROOM	2	10/24/2003	17366	17366	10.0	11/10/2003
Long Description:										
FACILITY	CM	**0000229219**	CLOSE	BREAKER 10 INVESTAGE O/A	2	10/24/2003	17366	17366	15.0	11/10/2003
Long Description:	**found lose wire in sf6 gas pressure switch repaired 10/23/03**									
FACILITY	INFO	**0000228585**	CLOSE	BKR # 10 O/A	5	10/22/2003	72593		0.0	10/20/2003
Long Description:	**HUDSON AVE. EAST** **Event Type Description Start Date End Date Contact** **MISC. Bkr # 10 O/A 10/20/2003 11:23 10/20/2003 13:35 Frank Lupo** **Status Date Note** **10/20/2003 11:52 Bkr.10 O/A station was unattended, D.O. attempted to close and was unable to close. Operator was dispatched from Greenwood S/S. Station supervisor was notified. Alpha pager was sent** **10/20/2003 13:04 No targets on Bkr.10 or grounds up in the station.** **10/20/2003 13:33 Bkr.10 was restored to service**									
FACILITY	CMP	**0000226942**	CLOSE	0500-28 BKR SUMM/WINT INSP 10	2	10/3/2003	12977	17090	2.0	10/31/2003
Long Description:	**D.O REFUSING TO GIVE WORK PERMIT TO DO ANY WORK ON BKR UNTIL CLOSING COIL IS REPAIRED.BKR HAS TRIPPED 2 TIMES AND THAT IS THE REASON FOR CONCERN. 10/28/03.** **BREAKER TAKEN OUT OF SERVICE ON 10-31-03 TO CHANGE CLOSING COIL TO (ABB PILOT VALVE) AND TIMING OF BREAKER. AT THIS TIME WE ALSO DID OUR WINTERIZATION OF THIS BREAKER 10-31-03 NEVILLE**									
FACILITY	CMP	**0000219551**	CLOSE	0500-17 ANNUAL COMPRESSOR BKR 10	2	8/8/2003	12977	89689	0.0	9/5/2003
Long Description:	**COMPRESSOR WAS REPLACED WITH NEW ONE ON 7/18/03 MAX # 215128**									
FACILITY	CM	**0000219405**	CLOSE	REPLACE CLOSING COIL	4	8/6/2003	17366	17366	22.0	11/10/2003
Long Description:	**10-31-03 CHANGED OLD CLOSING COIL WITH NEW (ABB PILOT VALVE) AFTER SWAPPING COIL WITH PUSHBUTTON VALVE FIT ON AA10 MECHANISM AND IS NOT LEAKING AT THE PRESENT TIME. COMPRESSOR BUILT AIR PRESSURE TO 300 PSI AND WE TIMED BREAKER WITH VANGAURD TIMING SET AND ALL SHOTS WERE WITHIN SPECS OPEN SHOTS AROUND 35 MS. AND CLOSE SHOTS ABOUT 130 MS. (ACCEPTABLE RANGE 110 MS. AND 150 MS.)** **NEVILLE 10-31-03**									
FACILITY	CM	**0000215128**	CLOSE	HUDSON AVE EAST: BKR 10 LOW AIR PRESS. 250PSI, COMPRESSOR WON'T RUN.	5	7/8/2003	52177	17366	29.5	7/15/2003
Long Description:	**7/8/03.....Replaced Air Compressor....Replaced Close Coil but still leaking....Awaiting new Close Coil..... Turned Compressor feed off to prevent further damages to new compressor. Breaker is Still Connected to Nitro bottle. Robles/Sears**									
FACILITY	GC	**0000214053**	CLOSE	GAS CALL- BKR 10	2	6/28/2003	86012	86012	0.0	2/3/2004
Long Description:										

Redacted

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MAXIMO REPORT: EQUIPMENT HISTORY

Station: HUDSON AVE. EAST **Equipment: BKR-0002053** **HA EAST-CIRCUIT BREAKER-10**

RESP AREA	WORK TYPE	WORK NUMBER	STATUS	DESCRIPTION	PRTY	REPORT DATE	REPORTED BY	SUPV	HRS	ACTUAL FINISH
FACILITY	CM	**0000209113**	CLOSE	REPLACE CLOSING COIL BREAKER 10	4	5/20/2003	12977	17366	12.0	5/20/2003
Long Description:										
FACILITY	GC	**0000208166**	CLOSE	GAS CALL- BKR 10	2	5/7/2003	86012	86012	0.0	2/3/2004
Long Description:										
FACILITY	GC	**0000208165**	CLOSE	GAS CALL- BKR 10	2	5/7/2003	86012	86012	0.0	2/3/2004
Long Description:										
FACILITY	GC	**0000208164**	CLOSE	GAS CALL- BKR 10	2	5/7/2003	86012	86012	0.0	6/28/2003
Long Description:										
FACILITY	CMP	**0000203272**	CLOSE	0500-28 BKR SUMM/WINT INSP 10	2	4/1/2003	14091	12977	2.0	4/22/2003
Long Description:										
FACILITY	GC	**0000186244**	CLOSE	HA EAST-GAS CALL GCB/CASP45 10	2	11/20/2002	18826		0.0	12/9/2002
Long Description:										
FACILITY	GC	**0000186241**	CLOSE	GAS CALL	9	11/20/2002	86153		0.0	12/9/2002
Long Description:										
FACILITY	CMP	**0000178949**	CLOSE	0500-28 BKR SUMM/WINT INSP 10	2	10/1/2002	14091		2.0	12/12/2002
Long Description:										
FACILITY	CMP	**0000170456**	CLOSE	0500-17 ANNUAL COMPRESSOR BKR 10	2	8/1/2002	14091	89689	12.0	12/2/2002
Long Description:										
FACILITY	CM	**0000157203**	CLOSE	BKR 10 REPLACE CLOSING COIL AND VALVE	3	4/11/2002	20182	17366	8.0	5/1/2002
Long Description:										
FACILITY	CM	**0000156935**	CLOSE	AIR LEAK ON CLOSING COIL	2	4/9/2002	17366	17366	14.0	5/1/2002
Long Description: **leak is on closing coil replaced 4/9/02**										
FACILITY	CMP	**0000156370**	CLOSE	0500-28 BKR SUMM/WINT INSP 10	2	4/4/2002	14091		3.0	4/18/2002
Long Description:										

Redacted

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MAXIMO REPORT: EQUIPMENT HISTORY

Station: HUDSON AVE. EAST **Equipment: BKR-0002053** **HA EAST-CIRCUIT BREAKER-10**

RESP AREA	WORK TYPE	WORK NUMBER	STATUS	DESCRIPTION	PRTY	REPORT DATE	REPORTED BY	SUPV	HRS	ACTUAL FINISH
FACILITY	CM	**0000149611**	CLOSE	CB 10 AIR COMPRESSOR NOT BUILDIN PRESSURE	3	2/21/2002	12575	17366	16.0	2/21/2002
Long Description:	**Found CB low air alarm CB 10 air pressure at 240 PSI compressor was not running but was very hot to the touch and there was a slight burning odor. Attempts to reset compressor were not successful. Added nitro to bring pressure to normal and clear alarm and left compressor feed off.**									
	REPLACED CHECK VALVE									
FACILITY	CM	**0000137682**	CLOSE	AT HUDSON AVE EAST, BKR 10 AIR COMP. MOTOR SMOKING, FEED PULLED	9	11/18/2001	52177	17366	15.0	1/29/2002
Long Description:										
PROTSYS	DT	**0000134432**	CLOSE	BKR 10 DOBLE TESTING	9	10/25/2001	12977		24.0	11/8/2001
Long Description:										
FACILITY	CM	**0000134140**	CLOSE	BKR 10 AIR COMPRESSOR MOTOR APPEARS TO HAVE BURNT UP	9	10/23/2001	56636	17366	4.0	11/7/2001
Long Description:	**checked fuses okay, removed air compressor feed at breaker and closes air valve to conserve air.**									
FACILITY	CM	**0000134025**	CLOSE	DISC. SW. HF10M &HF10L WILL NOT OPERATE ELECTICALLY .PROBLEMS TRACED TO BKR.	5	10/21/2001	06846	17366	1.0	8/28/2002
Long Description:	**# 10 AUX CONTRACTS**									
FACILITY	CMP	**0000130039**	CLOSE	0500-28 BKR SUMM/WINT INSP 10	1	9/28/2001	14091		3.0	10/19/2001
Long Description:										
FACILITY	GC	**0000122922**	CLOSE	GAS CALL- BKR 10	1	8/1/2001	01795		0.0	9/4/2001
Long Description:										
FACILITY	CM	**0000122825**	CLOSE	BKR 10 AMBIENT TEMP GAUGE N/G, READING 35 F	9	7/31/2001	01795	17366	4.0	11/5/2001
Long Description:										
FACILITY	CMP	**0000112247**	CLOSE	0500-28 BKR SUMM/WINT INSP 10	1	5/1/2001	14091	06231	1.0	5/29/2001
Long Description:										
FACILITY	CM	**0000109101**	CLOSE	REMOVE BUS AND REPLACE WITH FLEX LINKS ON BKR #10 ALL PHASES	9	4/11/2001	12977	06231	101.5	11/7/2001
Long Description:	**4-11-01 old connectors and bus removed, replaced with new [flex] connectors five were replaced on this day, to be finished 4-12-01 [rain] microhms taken ok olsen**									
FACILITY	GC	**0000104855**	CLOSE	GAS CALL- BKR 10	1	3/20/2001	56636		0.0	4/9/2001
Long Description:										

Redacted

MAXIMO REPORT: EQUIPMENT HISTORY

Station: HUDSON AVE. EAST **Equipment: BKR-0002053** **HA EAST-CIRCUIT BREAKER-10**

RESP AREA	WORK TYPE	WORK NUMBER	STATUS	DESCRIPTION	PRTY	REPORT DATE	REPORTED BY	SUPV	HRS	ACTUAL FINISH
FACILITY	CM	**0000103899**	CLOSE	BKR 10 CLOSE COIL AIR LEAK	9	3/12/2001	12977	06231	24.0	7/18/2001
Long Description:	**CLOSED AIR VALVE TO COIL AIR PRESSURE NORMAL.**									
FACILITY	GC	**0000089454**	CLOSE	HA EAST-GAS CALL GCB/CASP45 10	2	12/20/2000	19093		0.0	2/10/2003
Long Description:										
FACILITY	DT	**0000087990**	CLOSE	BKR-0002053 GCB 10 DIAGNOSTIC TESTING	1	12/14/2000	12977		100.0	11/5/2001
Long Description:										
FACILITY	CM	**0000085584**	CLOSE	BKR 10 WILL NOT OPEN	9	11/26/2000	18979		28.0	11/27/2000
Long Description:	**VIA SOCCS, LOCAL CONTROL, OR INTERPOSING RELAY.**									
FACILITY	CMP	**0000078540**	CLOSE	0500-28 BKR SUMM/WINT INSP 10	1	10/31/2000	14091	06231	1.0	11/14/2000
Long Description:										
FACILITY	CMP	**0000072599**	CLOSE	0500-02 DEW POINT TESTING BKR-10	9	9/8/2000	MARSTONG	06231	2.0	11/16/2000
Long Description:										
FACILITY	GC	**0000069862**	CLOSE	HA EAST-GAS CALL GCB/CASP45 10	1	8/15/2000	12575		0.0	9/5/2000
Long Description:										
FACILITY	GC	**0000065943**	CLOSE	HA EAST-GAS CALL GCB/CASP45 10	1	7/1/2000	56636		0.0	7/7/2000
Long Description:										
FACILITY	CM	**0000059244**	CLOSE	BKR 10 AIR SOLENOID VALVE LEAKING	9	4/29/2000	56636		0.0	10/18/2000
Long Description:	**do to leak on solenoid valve storage tank valved off do to pressure dropping to lock out. With valve closed air pressure maintained at 300psi. if breaker 10 is opened valve needs to be opened prior to close of breaker 10.**									
FACILITY	CMP	**0000054655**	CLOSE	0500-28 BKR SUMM/WINT INSP 10	1	3/23/2000	14091		1.5	5/3/2000
Long Description:										
AUXSUP	CM	**0000044976**	CLOSE	HUD AVE EAST BKR 10 CHECK AND REPAIR COMPRESS	9	12/27/1999	89689		16.0	1/5/2000
Long Description:	**12/27/99-located a defective motor wire &repaired same.**									
FACILITY	EM	**0000040600**	CLOSE	REPLACE DEFECTIVE PILOT VALVE CLOSE VALVE (AIR LEAK)	9	11/8/1999	J.MARSTON		36.0	11/15/1999
Long Description:										
FACILITY	CMP	**0000037123**	CLOSE	0500-28-CIR BKRS WINTERIZATION IN	1	10/12/1999	14091		1.0	11/15/1999
Long Description:										

Redacted

MAXIMO REPORT: EQUIPMENT HISTORY

Station: HUDSON AVE. EAST **Equipment: BKR-0002053** **HA EAST-CIRCUIT BREAKER-10**

RESP AREA	WORK TYPE	WORK NUMBER	STATUS	DESCRIPTION	PRTY	REPORT DATE	REPORTED BY	SUPV	HRS	ACTUAL FINISH
FACILITY Long Description:	GC	**0000035030**	CLOSE	HA EAST-GAS CALL GCB/CASP45 10	1	9/28/1999	52177		0.0	10/7/1999
FACILITY Long Description:	GC	**0000031005**	CLOSE	HA EAST-GAS CALL GCB/CASP45 10	1	8/21/1999	52177		0.0	10/26/1999
FACILITY Long Description:	GC	**0000027543**	CLOSE	HA EAST-GAS CALL GCB/CASP45 10	1	7/20/1999	56636		0.0	8/11/1999
FACILITY Long Description:	GC	**0000023224**	CLOSE	HA EAST-GAS CALL GCB/CASP45 10	1	6/11/1999	56636		0.0	6/22/1999
FACILITY Long Description:	GC	**0000022257**	CLOSE	HA EAST-GAS CALL GCB/CASP45 10	1	6/4/1999	56681		0.0	6/7/1999
FACILITY Long Description:	CMP	**0000020336**	CLOSE	500-28-CIR BKRS WINTERIZATION IN	1	5/26/1999	98219		0.0	5/26/1999
FACILITY Long Description:	GC	**0000017974**	CLOSE	HA EAST-GAS CALL GCB/CASP45 10	1	5/5/1999	14091		0.5	12/24/2000
FACILITY Long Description:	CM	**0000011784**	CLOSE	BREAKER 10 AIR LEAK ON CLOSE CONTROL VALVE	5	2/12/1999	MARSTONG	06231	8.0	7/28/1999

74 total work order(s) having 603.5 hours.

Redacted

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MAXIMO REPORT: EQUIPMENT HISTORY

Station: HUDSON AVE. EAST **Equipment: BKR-0002065** **HA EAST-CIRCUIT BREAKER-9**

RESP AREA	WORK TYPE	WORK NUMBER	STATUS	DESCRIPTION	PRTY	REPORT DATE	REPORTED BY	SUPV	HRS	ACTUAL FINISH
FACILITY	CM	**0008067580**	APPR	BKR #9 AMBIENT TEMPERATURE GAUGE DEFECTIVE. DOESN'T SHOWS TEMPERATURE.	5	4/12/2008	85605		0.0	
Long Description:										
FACILITY	CM	**0008061903**	APPR	BKR #9 L.P. TEMPERATURE GAUGE DEFECTIVE. SHOWS 0 TEMPERATURE OUTSIDE.	5	4/8/2008	85605		0.0	
Long Description:										
FACILITY	CM	**0007973788**	APPR	BKR 9 DOES NOT HAVE OPEN & CLOSE SIGNS FOR MECH. INDICATION	5	3/8/2008	18979		0.0	
Long Description:										
FACILITY	CMP-0	**0007865566**	CLOSE	0500-28 SUMMERIZATION INSP BKR 9	4	2/8/2008	89260	18903	6.0	5/14/2008
Long Description:										
FACILITY	CMP-0	**0007371317**	CLOSE	0500-28 WINTERIZATION INSP BKR 9	4	10/1/2007	MAXADMIN	18081	2.0	11/9/2007
Long Description:										
FACILITY	CM	**0007285194**	CLOSE	BREAKER 9 NOT CLOSING	5	9/17/2007	12977		15.0	11/7/2007
Long Description:										
FACILITY	CM	**0007284970**	CLOSE	EXHAUST PORT NOT RESETTING ON A10 MECHANISM	5	9/17/2007	44583		5.5	11/7/2007
Long Description:										
FACILITY	CMP-0	**0007232670**	APPR	0500-17 ANNUAL COMPRESSOR BKR 9	4	8/31/2007	MAXADMIN		0.0	
Long Description:										
FACILITY	CM	**0007142863**	INPRG	0500-17 ANNUAL COMPRESSOR BKR 9	5	7/30/2007	12977		4.0	
Long Description:										
FACILITY	CMP	**0007077500**	CLOSE	0500-02 DEW POINT TESTING -BKR-9	4	6/30/2007	MAXADMIN	12977	0.0	9/26/2007
Long Description:										
FACILITY	CMP	**0006652629**	CLOSE	0500-28 SUMMERIZATION INSP BKR 9	2	3/1/2007	MAXADMIN	17090	2.0	5/10/2007
Long Description:										
FACILITY	CMP	**0006074685**	CLOSE	0500-28 BKR WINTERIZATION INSP 9	2	9/30/2006	MAXADMIN	49539	3.0	11/22/2006
Long Description:										
FACILITY	CMP	**0005983634**	CLOSE	0500-17 ANNUAL COMPRESSOR BKR 9	2	8/31/2006	MAXADMIN	18903	0.0	7/24/2007
Long Description:										

Redacted

MAXIMO REPORT: EQUIPMENT HISTORY

Station: HUDSON AVE. EAST **Equipment: BKR-0002065** **HA EAST-CIRCUIT BREAKER-9**

RESP AREA	WORK TYPE	WORK NUMBER	STATUS	DESCRIPTION	PRTY	REPORT DATE	REPORTED BY	SUPV	HRS	ACTUAL FINISH
FACILITY Long Description:	CMP	**0005352273**	CLOSE	0500-28 BKR SUMMERIZATION INSP 9	2	2/28/2006	MAXADMIN	10479	2.0	4/17/2006
FACILITY Long Description:	CM	**0005303599**	CLOSE	BREAKER 9 TO REPLACE CLOSING COIL AND TIME BREAKER	5	2/23/2006	12977		44.0	3/3/2006
FACILITY Long Description:	GC	**0005027617**	CLOSE	HA EAST-GAS CALL GCB/CASP45 9	2	12/8/2005	56636	56636	0.0	12/8/2005
FACILITY Long Description:	CMP	**0000341220**	CLOSE	0500-28 BKR WINTERIZATION INSP 9	2	9/25/2005	PMWOGEN	17090	2.0	12/2/2005
FACILITY Long Description:	CMP	**0000334013**	CLOSE	0500-17 ANNUAL COMPRESSOR BKR 9	2	8/25/2005	PMWOGEN	10479	8.0	9/20/2006
FACILITY Long Description:	CMP	**0000301079**	CLOSE	0500-28 BKR SUMMERIZATION INSP 9	4	2/25/2005	PMWOGEN	44583	1.5	4/19/2005
FACILITY Long Description:	CMP	**0000274444**	CLOSE	0500-28 BKR WINTERIZATION INSP 9	4	9/25/2004	PMWOGEN	49539	4.0	11/15/2004
FACILITY Long Description:	CMP	**0000245753**	CLOSE	0500-28 BKR SUMMERIZATION INSP 9	4	2/28/2004	PMWOGEN	44583	3.0	5/18/2004
FACILITY Long Description:	CM	**0000236069**	CLOSE	HUDSON AVE. EAST: BKR 9 - AIR LEAK ON 2" LINE BETWEEN AIR TANK & OP. MECH.	5	12/10/2003	52177	17366	20.0	12/13/2003
FACILITY Long Description:	GC	**0000235932**	CLOSE	HA EAST-GAS CALL GCB/CASP45 9	2	12/8/2003	18979	18979	0.0	12/8/2003
FACILITY Long Description:	CMP	**0000226946**	CLOSE	0500-28 BKR SUMM/WINT INSP 9	2	10/3/2003	12977	17090	2.0	10/28/2003
FACILITY Long Description: **COMPRESSOR REPLACED ON 6/20/03 WITH NEW ONE MAX # 212547**	CMP	**0000222038**	CLOSE	0500-17 ANNUAL COMPRESSOR BKR 9	2	9/4/2003	12977	17366	0.0	9/5/2003
FACILITY Long Description: **REPLACED COMPRESSOR 6/20/03**	CM	**0000212547**	CLOSE	BREAKER 9 HAE BAD COMPRESSOR	5	6/12/2003	17090	17366	25.0	6/20/2003

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MAXIMO REPORT: EQUIPMENT HISTORY

Station: HUDSON AVE. EAST **Equipment: BKR-0002065** **HA EAST-CIRCUIT BREAKER-9**

RESP AREA	WORK TYPE	WORK NUMBER	STATUS	DESCRIPTION	PRTY	REPORT DATE	REPORTED BY	SUPV	HRS	ACTUAL FINISH
FACILITY	CM	**0000208950**	CLOSE	CLOSING VALVE ON C.B. # 9 LEAKING IN H.A.E	4	5/18/2003	86153	17366	4.0	6/3/2003
Long Description:										
FACILITY	CMP	**0000203276**	CLOSE	0500-28 BKR SUMM/WINT INSP 9	2	4/1/2003	14091	12977	2.0	4/22/2003
Long Description:										
FACILITY	CM	**0000185812**	CLOSE	BKR 9 FOUND AIR LEAK AND COMPRESSOR DOES NOT RUN	4	11/14/2002	18979	17366	16.0	11/15/2002
Long Description:	**FOUND BREAKER DOWN TO 100 LBS COMPRESSOR MOTOR OFF. FOUND PIPING FROM STORAGE TANK TO A-10 MECHANISM LEAKING BADLY. DRAINED REST OF AIR AND LOOSENED LEAKING FITTING RE-TAPED WITH TEFLON TAPE AND TIGHTENED FITTING BACK UP. TURNED ON COMPRESSOR FEED AND BUILT BREAKER TO 300 LBS THEN LEAK TECKED ALL FITTINGS FOUND ONE MINOR LEAK AND DID A DROP CHECK FOR APPROXIMETALLY ONE HOUR AND LOST ABOUT 10 LBS BUT ALARMS ARE ALL CLEAR AND COMPRESSOR IS WORKING FINE**										
				NEVILLE/ROGERS 11-14-02						
FACILITY	CMP	**0000178953**	CLOSE	0500-28 BKR SUMM/WINT INSP 9	2	10/1/2002	14091		3.0	12/12/2002
Long Description:										
FACILITY	CMP	**0000174863**	CLOSE	0500-17 ANNUAL COMPRESSOR BKR 9	2	9/4/2002	14091		1.0	10/3/2003
Long Description:										
FACILITY	CMP	**0000156366**	CLOSE	0500-28 BKR SUMM/WINT INSP 9	2	4/4/2002	14091		1.5	4/18/2002
Long Description:										
FACILITY	CMP	**0000130035**	CLOSE	0500-28 BKR SUMM/WINT INSP 9	1	9/28/2001	14091		23.0	10/19/2001
Long Description:										
FACILITY	CMP	**0000112251**	CLOSE	0500-28 BKR SUMM/WINT INSP 9	1	5/1/2001	14091	06231	1.0	5/29/2001
Long Description:										
FACILITY	CM	**0000109102**	CLOSE	REMOVE BUS AND REPLACE WITH FLEX LINKS ON BKR #9 ALL PHASES	9	4/11/2001	12977	06231	38.5	11/7/2001
Long Description:	**4-12-01 old connectors and bus removed new connectors [[[flex] installed ok microhms taken ok olsen**									
FACILITY	CMP	**0000107260**	CLOSE	0500-02 DEW POINT TESTING -BKR-9	9	4/2/2001	14091		1.0	7/10/2001
Long Description:										
FACILITY	GC	**0000089453**	CLOSE	HA EAST-GAS CALL GCB/CASP45 9	2	12/20/2000	19093		0.0	2/10/2003
Long Description:										

Redacted

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MAXIMO REPORT: EQUIPMENT HISTORY

Station: HUDSON AVE. EAST **Equipment: BKR-0002065** **HA EAST-CIRCUIT BREAKER-9**

RESP AREA	WORK TYPE	WORK NUMBER	STATUS	DESCRIPTION	PRTY	REPORT DATE	REPORTED BY	SUPV	HRS	ACTUAL FINISH
FACILITY Long Description:	DT	**0000087989**	CLOSE	BKR-0002065 GCB 9 DIAGNOSTIC TESTING	1	12/14/2000	12977		120.0	12/31/2001
FACILITY Long Description:	CMP	**0000078670**	CLOSE	0500-28 BKR SUMM/WINT INSP 9	1	10/31/2000	14091	06231	1.0	11/14/2000
FACILITY Long Description:	CMP	**0000072598**	CLOSE	0500-02 DEW POINT TESTING BKR 9	9	9/8/2000	MARSTONG	06231	2.0	11/16/2000
FACILITY Long Description:	CMP	**0000054651**	CLOSE	0500-28 BKR SUMM/WINT INSP 9	1	3/23/2000	14091		1.5	5/3/2000
FACILITY Long Description:	CMP	**0000037119**	CLOSE	0500-28-CIR BKRS WINTERIZATION IN	1	10/12/1999	14091		1.0	11/15/1999
FACILITY Long Description:	CMP	**0000020332**	CLOSE	500-28-CIR BKRS WINTERIZATION IN	1	5/26/1999	98219		0.0	5/26/1999
FACILITY Long Description:	GC	**0000017973**	CLOSE	HA EAST-GAS CALL GCB/CASP45 9	1	5/5/1999	14091		0.0	12/24/2000

44 total work order(s) having 365.5 hours.

Redacted

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MAXIMO REPORT: EQUIPMENT HISTORY

Station: FARRAGUT **Equipment: BKR-0002248** **FARR-CIRCUIT BREAKER-11W**

RESP AREA	WORK TYPE	WORK NUMBER	STATUS	DESCRIPTION	PRTY	REPORT DATE	REPORTED BY	SUPV	HRS	ACTUAL FINISH
FACILITY Long Description:	GC	**0008092588**	CLOSE	GAS CALL BKR 11W	4	4/28/2008	01795	01795	0.0	4/28/2008
FACILITY Long Description:	GC	**0008082499**	CLOSE	GAS CALL BKR 11W	4	4/22/2008	12973	12973	0.0	4/22/2008
FACILITY Long Description:	GC	**0008060095**	CLOSE	GAS CALL BKR 11W	4	4/6/2008	05426	05426	0.0	4/6/2008
FACILITY Long Description:	GC	**0007995782**	CLOSE	GAS CALL BKR 11W	4	3/23/2008	01795	01795	0.0	3/23/2008
FACILITY Long Description:	GC	**0007990480**	CLOSE	GAS CALL BKR 11W	4	3/20/2008	01825	01825	0.0	3/20/2008
FACILITY Long Description:	GC	**0007976055**	CLOSE	GAS CALL BKR 11W	4	3/10/2008	01825	01825	0.0	3/10/2008
FACILITY Long Description:	GC	**0007966707**	CLOSE	GAS CALL BKR 11W	4	3/2/2008	01825	01825	0.0	3/2/2008
FACILITY Long Description:	GC	**0007900445**	CLOSE	GAS CALL BKR 11W	4	2/23/2008	18979	18979	0.0	2/23/2008
FACILITY Long Description:	GC	**0007892471**	CLOSE	GAS CALL BKR 11W	4	2/19/2008	01795	01795	0.0	2/19/2008
FACILITY Long Description:	GC	**0007888339**	CLOSE	GAS CALL BKR 11W	4	2/15/2008	01825	01825	0.0	2/15/2008
FACILITY Long Description:	GC	**0007886231**	CLOSE	GAS CALL BKR 11W	4	2/13/2008	01825	01825	0.0	2/13/2008
FACILITY Long Description:	GC	**0007883483**	CLOSE	GAS CALL BKR 11W	4	2/11/2008	01795	01795	0.0	2/11/2008
FACILITY Long Description:	CMP-0	**0007857258**	CLOSE	0500-28 SUMMERIZATION INSP BKR 11W	4	2/8/2008	89260	22329	1.0	5/13/2008
FACILITY Long Description:	GC	**0007849750**	CLOSE	GAS CALL BKR 11W	4	2/5/2008	18979	18979	0.0	2/5/2008

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MAXIMO REPORT: EQUIPMENT HISTORY

Station: FARRAGUT **Equipment: BKR-0002248** **FARR-CIRCUIT BREAKER-11W**

RESP AREA	WORK TYPE	WORK NUMBER	STATUS	DESCRIPTION	PRTY	REPORT DATE	REPORTED BY	SUPV	HRS	ACTUAL FINISH
FACILITY Long Description:	GC	**0007805381**	CLOSE	GAS CALL BKR 11W	4	1/30/2008	87752	87752	0.0	1/30/2008
FACILITY Long Description:	GC	**0007797319**	CLOSE	GAS CALL BKR 11W	4	1/26/2008	01795	01795	0.0	1/26/2008
FACILITY Long Description:	GC	**0007791297**	CLOSE	GAS CALL BKR 11W	4	1/21/2008	56636	56636	0.0	1/21/2008
FACILITY Long Description:	GC	**0007789241**	CLOSE	GAS CALL BKR 11W	4	1/20/2008	18979	18979	0.0	1/20/2008
FACILITY Long Description:	GC	**0007738597**	CLOSE	GAS CALL BKR 11W	4	1/9/2008	01825	01825	0.0	1/9/2008
FACILITY Long Description:	GC	**0007716210**	CLOSE	GAS CALL BKR 11W	4	1/2/2008	56636	56636	0.0	1/2/2008
FACILITY Long Description:	GC	**0007666082**	CLOSE	GAS CALL BKR 11W	4	12/26/2007	18979	18979	0.0	12/26/2007
FACILITY Long Description:	GC	**0007661093**	CLOSE	GAS CALL BKR 11W	4	12/20/2007	01795	01795	0.0	12/20/2007
FACILITY Long Description:	GC	**0007653423**	CLOSE	GAS CALL BKR 11W	4	12/15/2007	56636	56636	0.0	12/15/2007
FACILITY Long Description:	GC	**0007652081**	CLOSE	GAS CALL BKR 11W	4	12/13/2007	18979	18979	0.0	12/13/2007
FACILITY Long Description:	GC	**0007648344**	CLOSE	GAS CALL BKR 11W	4	12/10/2007	56636	56636	0.0	12/10/2007
FACILITY Long Description:	GC	**0007642973**	CLOSE	GAS CALL BKR 11W	4	12/5/2007	01795	01795	0.0	12/5/2007
FACILITY Long Description:	GC	**0007579327**	CLOSE	GAS CALL BKR 11W	4	11/28/2007	56636	56636	0.0	11/28/2007
FACILITY Long Description:	GC	**0007564588**	CLOSE	GAS CALL BKR 11W	4	11/16/2007	01795	01795	0.0	11/16/2007

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MAXIMO REPORT: EQUIPMENT HISTORY

Station: FARRAGUT **Equipment: BKR-0002248** **FARR-CIRCUIT BREAKER-11W**

RESP AREA	WORK TYPE	WORK NUMBER	STATUS	DESCRIPTION	PRTY	REPORT DATE	REPORTED BY	SUPV	HRS	ACTUAL FINISH
FACILITY Long Description:	GC	**0007547456**	CLOSE	GAS CALL BKR 11W	4	11/10/2007	56636	56636	0.0	11/10/2007
FACILITY Long Description:	GC	**0007546075**	CLOSE	GAS CALL BKR 11W	4	11/9/2007	18979	18979	0.0	11/9/2007
FACILITY Long Description:	GC	**0007465410**	CLOSE	GAS CALL BKR 11W	4	10/24/2007	56636	56636	0.0	10/24/2007
FACILITY Long Description:	CMP-0	**0007346174**	CLOSE	0500-28 WINTERIZATION INSP BKR 11W	4	10/1/2007	MAXADMIN	12977	6.0	12/3/2007
FACILITY Long Description:	GC	**0007298930**	CLOSE	GAS CALL BKR 11W	4	9/25/2007	08468	08468	0.0	9/25/2007
FACILITY Long Description:	GC	**0007280310**	CLOSE	GAS CALL BKR 11W	4	9/13/2007	01795	01795	0.0	9/13/2007
FACILITY Long Description:	GC	**0007265621**	CLOSE	GAS CALL BKR 11W	4	9/2/2007	56636	56636	0.0	9/2/2007
FACILITY Long Description:	GC	**0007133692**	CLOSE	GAS CALL BKR 11W	4	7/24/2007	01795	01795	0.0	7/24/2007
FACILITY Long Description:	GC	**0007113345**	CLOSE	GAS CALL BKR 11W	4	7/6/2007	01795	01795	0.0	7/6/2007
FACILITY Long Description:	GC	**0007054193**	CLOSE	GAS CALL BKR 11W	4	6/28/2007	01795	01795	0.0	6/28/2007
FACILITY Long Description:	OH	**0006936400**	APPR	BKR 11W (OH)	4	5/15/2007	03710		0.0	
FACILITY Long Description:	GC	**0006934400**	CLOSE	GAS CALL BKR 11W	2	5/15/2007	01795	01795	0.0	5/15/2007
FACILITY Long Description:	CM	**0006839046**	CLOSE	BREAKER 11W HOT SPOT BOLTED BUS LINKAGE REPAIR	5	4/30/2007	12977		24.0	6/7/2007
FACILITY Long Description:	CMP	**0006836096**	CLOSE	0500-02 DEW POINT TESTING -BKR 11W	2	4/30/2007	MAXADMIN	12977	0.0	9/26/2007

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MAXIMO REPORT: EQUIPMENT HISTORY

Station: FARRAGUT **Equipment: BKR-0002248** **FARR-CIRCUIT BREAKER-11W**

RESP AREA	WORK TYPE	WORK NUMBER	STATUS	DESCRIPTION	PRTY	REPORT DATE	REPORTED BY	SUPV	HRS	ACTUAL FINISH
FACILITY	GC	**0006811131**	CLOSE	GAS CALL BKR 11W	4	4/13/2007	18979	18979	0.0	4/13/2007
Long Description:										
FACILITY	GC	**0006807496**	CLOSE	GAS CALL BKR 11W	4	4/10/2007	01795	01795	0.0	4/10/2007
Long Description:										
FACILITY	CM	**0006806282**	CLOSE	BKR 11W - GAS COMPRESSOR N/G	5	4/8/2007	18979		41.5	4/19/2007
Long Description:	**FOUND BLOWN FUSES & BURNING SMELL PRESENT.**									
FACILITY	GC	**0006722220**	CLOSE	GAS CALL BKR 11W	4	3/25/2007	18979	18979	0.0	3/25/2007
Long Description:										
FACILITY	GC	**0006696585**	CLOSE	GAS CALL BKR 11W	2	3/10/2007	18979	18979	0.0	3/10/2007
Long Description:										
FACILITY	GC	**0006693549**	CLOSE	GAS CALL BKR 11W	2	3/7/2007	52177	52177	0.0	3/7/2007
Long Description:										
FACILITY	GC	**0006629531**	CLOSE	GAS CALL BKR 11W	2	2/28/2007	01795	01795	0.0	2/28/2007
Long Description:										
FACILITY	CMP	**0006614471**	CLOSE	0500-28 SUMMERIZATION INSP BKR 11W	2	2/28/2007	MAXADMIN	49539	2.0	5/18/2007
Long Description:										
FACILITY	GC	**0006581766**	CLOSE	GAS CALL BKR 11W	2	2/25/2007	52177	52177	0.0	2/25/2007
Long Description:										
FACILITY	GC	**0006556777**	CLOSE	GAS CALL BKR 11W	2	2/10/2007	01795	01795	0.0	2/10/2007
Long Description:										
FACILITY	GC	**0006490784**	CLOSE	GAS CALL BKR 11W	2	1/26/2007	52177	52177	0.0	1/26/2007
Long Description:										
FACILITY	GC	**0006486152**	CLOSE	GAS CALL BKR 11W	2	1/23/2007	01795	01795	0.0	1/23/2007
Long Description:										
FACILITY	GC	**0006474691**	CLOSE	GAS CALL BKR 11W	2	1/19/2007	56636	56636	0.0	1/19/2007
Long Description:										
FACILITY	GC	**0006460355**	CLOSE	GAS CALL BKR 11W	2	1/14/2007	01795	01795	0.0	1/14/2007
Long Description:										

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MAXIMO REPORT: EQUIPMENT HISTORY

Station: FARRAGUT **Equipment: BKR-0002248** **FARR-CIRCUIT BREAKER-11W**

RESP AREA	WORK TYPE	WORK NUMBER	STATUS	DESCRIPTION	PRTY	REPORT DATE	REPORTED BY	SUPV	HRS	ACTUAL FINISH
FACILITY Long Description:	GC	**0006450709**	CLOSE	GAS CALL BKR 11W	2	1/7/2007	52177	52177	0.0	1/7/2007
FACILITY Long Description:	GC	**0006390869**	CLOSE	GAS CALL BKR 11W	2	12/29/2006	18979	18979	0.0	12/29/2006
FACILITY Long Description: **FEED REMOVED NOT TO BURN UP COMPRESSOR.**	CM	**0006390861**	CLOSE	BKR 11W AIR COMP NOT BUILDING PRESSURE	5	12/29/2006	18979		20.0	1/17/2007
FACILITY Long Description:	GC	**0006365721**	CLOSE	GAS CALL BKR 11W	2	12/15/2006	56636	56636	0.0	12/15/2006
FACILITY Long Description:	GC	**0006357830**	CLOSE	GAS CALL BKR 11W	2	12/9/2006	01795	01795	0.0	12/9/2006
FACILITY Long Description:	GC	**0006286603**	CLOSE	GAS CALL BKR 11W	2	11/27/2006	56636	56636	0.0	11/27/2006
FACILITY Long Description:	GC	**0006240016**	CLOSE	GAS CALL BKR 11W	2	11/3/2006	56636	56636	0.0	11/3/2006
FACILITY Long Description:	GC	**0006168260**	CLOSE	GAS CALL BKR 11W	2	10/22/2006	56636	56636	0.0	10/22/2006
FACILITY Long Description:	GC	**0006154565**	CLOSE	GAS CALL BKR 11W	2	10/11/2006	01795	01795	0.0	10/11/2006
FACILITY Long Description:	GC	**0006145016**	CLOSE	GAS CALL BKR 11W	2	10/4/2006	18979	18979	0.0	10/4/2006
FACILITY Long Description:	CMP	**0006072484**	CLOSE	0500-28 BKR WINTERIZATION INSP 11W	2	9/30/2006	MAXADMIN	04094	5.5	10/18/2006
FACILITY Long Description:	GC	**0006046689**	CLOSE	GAS CALL BKR 11W	2	9/13/2006	56636	56636	0.0	9/13/2006
FACILITY Long Description:	GC	**0005721832**	CLOSE	GAS CALL BKR 11W	2	6/3/2006	18979	18979	0.0	6/3/2006
FACILITY Long Description:	CM	**0005651688**	CLOSE	FARR: BKR 11W CLOSED IND.LIGHT OUT. TRIP CKT SUPV. ALARM UP.	9	5/24/2006	52177		12.0	5/25/2006

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MAXIMO REPORT: EQUIPMENT HISTORY

Station: FARRAGUT **Equipment: BKR-0002248** **FARR-CIRCUIT BREAKER-11W**

RESP AREA	WORK TYPE	WORK NUMBER	STATUS	DESCRIPTION	PRTY	REPORT DATE	REPORTED BY	SUPV	HRS	ACTUAL FINISH
FACILITY Long Description:	GC	**0005641856**	CLOSE	GAS CALL BKR 11W	2	5/17/2006	18979	18979	0.0	5/17/2006
FACILITY Long Description:	CMP	**0005585061**	CLOSE	0500-02 DEW POINT TESTING -BKR 11W	2	5/1/2006	MAXADMIN	10479	1.0	9/25/2006
FACILITY Long Description:	GC	**0005551607**	CLOSE	GAS CALL BKR 11W	2	4/28/2006	18979	18979	0.0	4/29/2006
FACILITY Long Description:	GC	**0005526724**	CLOSE	GAS CALL BKR 11W	2	4/13/2006	56636	56636	0.0	4/13/2006
FACILITY Long Description:	GC	**0005513280**	CLOSE	GAS CALL BKR 11W	2	4/6/2006	01795	01795	0.0	4/6/2006
FACILITY Long Description:	GC	**0005432046**	CLOSE	GAS CALL BKR 11W	2	3/17/2006	18979	18979	0.0	3/17/2006
FACILITY Long Description:	GC	**0005412801**	CLOSE	GAS CALL BKR 11W	2	3/8/2006	18979	18979	0.0	3/8/2006
FACILITY Long Description:	CMP	**0005338833**	CLOSE	0500-28 BKR SUMMERIZATION INSP 11W	2	2/28/2006	MAXADMIN	10479	4.0	4/13/2006
FACILITY Long Description:	GC	**0005309758**	CLOSE	GAS CALL BKR 11W	2	2/27/2006	52177	52177	0.0	2/27/2006
FACILITY Long Description:	GC	**0005270385**	CLOSE	GAS CALL BKR 11W	2	2/12/2006	18979	18979	0.0	2/12/2006
FACILITY Long Description:	GC	**0005190877**	CLOSE	GAS CALL BKR 11W	2	1/29/2006	18979	18979	0.0	1/29/2006
FACILITY Long Description:	GC	**0005189535**	CLOSE	GAS CALL BKR 11W	2	1/26/2006	56636	56636	0.0	1/26/2006
FACILITY Long Description:	GC	**0005163860**	CLOSE	GAS CALL BKR 11W	2	1/10/2006	56636	56636	0.0	1/10/2006
FACILITY Long Description:	GC	**0005076661**	CLOSE	GAS CALL BKR 11W	2	12/24/2005	56636	56636	0.0	12/24/2005

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MAXIMO REPORT: EQUIPMENT HISTORY

Station: FARRAGUT **Equipment: BKR-0002248** **FARR-CIRCUIT BREAKER-11W**

RESP AREA	WORK TYPE	WORK NUMBER	STATUS	DESCRIPTION	PRTY	REPORT DATE	REPORTED BY	SUPV	HRS	ACTUAL FINISH
FACILITY Long Description:	GC	**0005028642**	CLOSE	GAS CALL BKR 11W	2	12/10/2005	56636	56636	0.0	12/11/2005
FACILITY Long Description:	GC	**0005026512**	CLOSE	GAS CALL BKR 11W	2	12/7/2005	56636	56636	0.0	12/7/2005
FACILITY Long Description:	CM	**0004948210**	CLOSE	BREAKER 11W CHECK AND REPAIR GAS LEAKS ON #1 AND # 4 VALVES	5	11/29/2005	17090	17090	2.0	11/29/2005
FACILITY Long Description:	GC	**0004943631**	CLOSE	GAS CALL BKR 11W	2	11/23/2005	56636	56636	0.0	11/23/2005
FACILITY Long Description:	GC	**0004942881**	CLOSE	GAS CALL BKR 11W	2	11/23/2005	01795	01795	0.0	11/23/2005
FACILITY Long Description:	GC	**0000349048**	CLOSE	GAS CALL BKR 11W	2	11/1/2005	56636	56636	0.0	11/1/2005
FACILITY Long Description:	GC	**0000345315**	CLOSE	GAS CALL BKR 11W	2	10/25/2005	01795	01795	1.0	10/25/2005
FACILITY Long Description:	CMP	**0000341225**	CLOSE	0500-28 BKR WINTERIZATION INSP 11W	2	9/25/2005	PMWOGEN	44583	10.5	11/2/2005
FACILITY Long Description:	GC	**0000333125**	CLOSE	GAS CALL BKR 11W	2	8/16/2005	01795	01795	0.0	8/16/2005
FACILITY Long Description:	GC	**0000330210**	CLOSE	GAS CALL BKR 11W	2	7/30/2005	01795	01795	0.0	7/30/2005
FACILITY Long Description:	GC	**0000326327**	CLOSE	GAS CALL BKR 11W	2	7/2/2005	01795	01795	0.0	7/2/2005
FACILITY Long Description:	GC	**0000319440**	CLOSE	GAS CALL BKR 11W	2	5/26/2005	01795	01795	0.0	5/26/2005
FACILITY Long Description:	GC	**0000314767**	CLOSE	GAS CALL BKR 11W	2	5/9/2005	01795	01795	0.0	5/22/2005
FACILITY Long Description:	GC	**0000314766**	CLOSE	GAS CALL BKR 11W	2	5/9/2005	01795	01795	0.0	5/9/2005

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MAXIMO REPORT: EQUIPMENT HISTORY

Station: FARRAGUT **Equipment: BKR-0002248** **FARR-CIRCUIT BREAKER-11W**

RESP AREA	WORK TYPE	WORK NUMBER	STATUS	DESCRIPTION	PRTY	REPORT DATE	REPORTED BY	SUPV	HRS	ACTUAL FINISH
FACILITY Long Description:	CMP	**0000312766**	CLOSE	0500-02 DEW POINT TESTING -BKR 11W	4	5/2/2005	19093	49539	0.8	7/22/2005
FACILITY Long Description:	GC	**0000309625**	CLOSE	GAS CALL BKR 11W	2	4/5/2005	01795	01795	0.0	4/5/2005
FACILITY Long Description:	GC	**0000306017**	CLOSE	GAS CALL BKR 11W	2	3/21/2005	18979	18979	0.0	3/21/2005
FACILITY Long Description:	CMP	**0000301090**	CLOSE	0500-28 BKR SUMMERIZATION INSP 11W	4	2/25/2005	PMWOGEN	04094	6.0	4/13/2005
FACILITY Long Description:	GC	**0000298487**	CLOSE	GAS CALL BKR 11W	2	2/21/2005	01795	01795	0.0	2/21/2005
FACILITY Long Description:	GC	**0000297544**	CLOSE	GAS CALL BKR 11W	2	2/10/2005	01795	01795	0.0	2/10/2005
FACILITY Long Description:	GC	**0000286122**	CLOSE	GAS CALL BKR 11W	2	12/19/2004	01795	01795	0.0	12/19/2004
FACILITY Long Description:	GC	**0000285176**	CLOSE	GAS CALL BKR 11W	2	12/13/2004	01795	01795	0.0	12/13/2004
FACILITY Long Description:	GC	**0000281141**	CLOSE	GAS CALL BKR 11W	2	11/15/2004	01795	01795	0.0	11/15/2004
FACILITY Long Description:	GC	**0000280871**	CLOSE	GAS CALL BKR 11W	2	11/10/2004	01795	01795	0.0	11/10/2004
FACILITY Long Description:	GC	**0000280374**	CLOSE	GAS CALL BKR 11W	2	11/4/2004	56636	56636	0.0	11/4/2004
FACILITY Long Description:	GC	**0000279591**	CLOSE	GAS CALL BKR 11W	2	10/29/2004	01795	01795	0.0	10/29/2004
FACILITY Long Description:	GC	**0000277355**	CLOSE	GAS CALL BKR 11W	2	10/23/2004	01795	01795	0.0	10/23/2004
FACILITY Long Description:	GC	**0000276718**	CLOSE	GAS CALL BKR 11W	2	10/17/2004	56636	56636	0.0	10/17/2004

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MAXIMO REPORT: EQUIPMENT HISTORY

Station: FARRAGUT **Equipment: BKR-0002248** **FARR-CIRCUIT BREAKER-11W**

RESP AREA	WORK TYPE	WORK NUMBER	STATUS	DESCRIPTION	PRTY	REPORT DATE	REPORTED BY	SUPV	HRS	ACTUAL FINISH
FACILITY Long Description:	GC	**0000276403**	CLOSE	GAS CALL BKR 11W	2	10/11/2004	56636	56636	0.0	10/11/2004
FACILITY Long Description:	CMP	**0000274449**	CLOSE	0500-28 BKR WINTERIZATION INSP 11W	4	9/25/2004	PMWOGEN	10479	4.0	10/25/2004
FACILITY Long Description:	GC	**0000268658**	CLOSE	GAS CALL BKR 11W	2	8/25/2004	18979	18979	0.0	9/4/2004
FACILITY Long Description:	GC	**0000266046**	CLOSE	GAS CALL BKR 11W	2	7/27/2004	01795	01795	0.0	7/27/2004
FACILITY Long Description:	GC	**0000264067**	CLOSE	GAS CALL BKR 11W	2	7/19/2004	18979	18979	0.0	7/19/2004
FACILITY Long Description:	GC	**0000262368**	CLOSE	GAS CALL BKR 11W	2	6/28/2004	01795	01795	0.0	6/28/2004
FACILITY Long Description: **REPLACED RESISTOR**	CM	**0000259755**	CLOSE	REPAIR MONITOR LIGHT FOR 30-86F211W/B10W	4	6/16/2004	12977	17366	3.0	6/21/2004
FACILITY Long Description:	GC	**0000255090**	CLOSE	GAS CALL BKR 11W	2	5/19/2004	01795	01795	0.0	5/19/2004
FACILITY Long Description:	GC	**0000253648**	CLOSE	GAS CALL BKR 11W	2	5/2/2004	01795	01795	0.0	5/2/2004
FACILITY Long Description:	CMP	**0000252004**	CLOSE	0500-02 DEW POINT TESTING -BKR 11W	4	4/25/2004	PMWOGEN	85803	1.0	7/19/2004
FACILITY Long Description:	GC	**0000251326**	CLOSE	GAS CALL BKR 11W	2	4/13/2004	01795	01795	0.0	4/13/2004
FACILITY Long Description:	GC	**0000248276**	CLOSE	GAS CALL BKR 11W	2	3/16/2004	18979	18979	0.0	3/16/2004
FACILITY Long Description:	GC	**0000247928**	CLOSE	GAS CALL BKR 11W	2	3/14/2004	18979	18979	0.0	3/14/2004
FACILITY Long Description:	GC	**0000247568**	CLOSE	GAS CALL BKR 11W	2	3/8/2004	01795	01795	0.0	3/8/2004

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MAXIMO REPORT: EQUIPMENT HISTORY

Station: FARRAGUT **Equipment: BKR-0002248** **FARR-CIRCUIT BREAKER-11W**

RESP AREA	WORK TYPE	WORK NUMBER	STATUS	DESCRIPTION	PRTY	REPORT DATE	REPORTED BY	SUPV	HRS	ACTUAL FINISH
FACILITY Long Description:	CMP	**0000245765**	CLOSE	0500-28 BKR SUMMERIZATION INSP 11W	4	2/28/2004	PMWOGEN	49539	4.0	4/28/2004
FACILITY Long Description:	GC	**0000243195**	CLOSE	GAS CALL BKR 11W	2	2/22/2004	01795	01795	0.0	2/22/2004
FACILITY Long Description:	GC	**0000242913**	CLOSE	GAS CALL BKR 11W	2	2/16/2004	56636	56636	0.0	2/16/2004
FACILITY Long Description:	GC	**0000242636**	CLOSE	GAS CALL BKR 11W	2	2/11/2004	56636	56636	0.0	2/11/2004
FACILITY Long Description:	GC	**0000239943**	CLOSE	GAS CALL BKR 11W	2	1/19/2004	18979	18979	0.0	1/19/2004
FACILITY Long Description:	GC	**0000239401**	CLOSE	GAS CALL BKR 11W	2	1/10/2004	18979	18979	0.0	1/10/2004
FACILITY Long Description:	GC	**0000239016**	CLOSE	GAS CALL BKR 11W	2	1/4/2004	01795	01795	0.0	1/4/2004
FACILITY Long Description:	GC	**0000238806**	CLOSE	GAS CALL BKR 11W	2	12/30/2003	01795	01795	0.0	4/3/2004
FACILITY Long Description:	GC	**0000238772**	CLOSE	GAS CALL BKR 11W	2	12/29/2003	01795	01795	0.0	12/30/2003
FACILITY Long Description:	GC	**0000237226**	CLOSE	GAS CALL BKR 11W	2	12/24/2003	18979	18979	0.0	12/24/2003
FACILITY Long Description:	GC	**0000236946**	CLOSE	GAS CALL BKR 11W	2	12/19/2003	01795	01795	0.0	12/19/2003
FACILITY Long Description:	GC	**0000235583**	CLOSE	GAS CALL BKR 11W	2	12/3/2003	01795	01795	0.0	12/3/2003
FACILITY Long Description:	GC	**0000234287**	CLOSE	GAS CALL BKR 11W	2	11/30/2003	01795	01795	0.0	11/30/2003
FACILITY Long Description:	GC	**0000232714**	CLOSE	GAS CALL BKR 11W	2	11/20/2003	56636	56636	0.0	11/20/2003

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MAXIMO REPORT: EQUIPMENT HISTORY

Station: FARRAGUT **Equipment: BKR-0002248** **FARR-CIRCUIT BREAKER-11W**

RESP AREA	WORK TYPE	WORK NUMBER	STATUS	DESCRIPTION	PRTY	REPORT DATE	REPORTED BY	SUPV	HRS	ACTUAL FINISH
FACILITY Long Description:	GC	**0000232014**	CLOSE	GAS CALL BKR 11W	2	11/8/2003	01795	01795	0.0	11/8/2003
FACILITY Long Description:	GC	**0000229631**	CLOSE	GAS CALL BKR 11W	2	10/28/2003	56636	56636	0.0	10/28/2003
FACILITY Long Description:	GC	**0000227660**	CLOSE	GAS CALL BKR 11W	2	10/14/2003	18979	18979	0.0	10/14/2003
FACILITY Long Description:	CMP	**0000226952**	CLOSE	0500-28 BKR SUMM/WINT INSP 11W	2	10/3/2003	12977	17090	2.0	10/21/2003
FACILITY Long Description:	GC	**0000224538**	CLOSE	GAS CALL BKR 11W	2	9/26/2003	18979	18979	0.0	9/26/2003
FACILITY Long Description:	GC	**0000221576**	CLOSE	GAS CALL BKR 11W	2	9/1/2003	18979	18979	0.0	9/1/2003
FACILITY Long Description:	GC	**0000220575**	CLOSE	GAS CALL BKR 11W	2	8/24/2003	56636	56636	0.0	8/24/2003
FACILITY Long Description:	GC	**0000218059**	CLOSE	GAS CALL BKR 11W	2	7/31/2003	01795	01795	0.0	7/31/2003
FACILITY Long Description:	GC	**0000216765**	CLOSE	GAS CALL BKR 11W	2	7/19/2003	18516	18516	0.0	7/19/2003
FACILITY Long Description:	GC	**0000214043**	CLOSE	GAS CALL BKR 11W	2	6/28/2003	01795	01795	0.0	6/28/2003
FACILITY Long Description:	GC	**0000213129**	CLOSE	GAS CALL BKR 11W	2	6/20/2003	01795	01795	0.0	6/20/2003
FACILITY Long Description:	GC	**0000211924**	CLOSE	GAS CALL BKR 11W	2	6/9/2003	56636	56636	0.0	6/9/2003
FACILITY Long Description:	GC	**0000209623**	CLOSE	GAS CALL BKR 11W	2	5/28/2003	18979	18979	0.0	5/28/2003
FACILITY Long Description:	GC	**0000207785**	CLOSE	GAS CALL BKR 11W	2	5/3/2003	18516	18516	0.0	5/3/2003

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MAXIMO REPORT: EQUIPMENT HISTORY

Station: FARRAGUT **Equipment: BKR-0002248** **FARR-CIRCUIT BREAKER-11W**

RESP AREA	WORK TYPE	WORK NUMBER	STATUS	DESCRIPTION	PRTY	REPORT DATE	REPORTED BY	SUPV	HRS	ACTUAL FINISH
FACILITY	CMP	**0000207058**	CLOSE	0500-02 DEW POINT TESTING -BKR 11W	2	5/1/2003	14091	17366	1.0	9/9/2003
Long Description:	**Date had to be changed because Chem Lab has a different compliation date then the Maximo compleations date,they were unavailiable due to the blackout inspections.They said they will get to them by the beginning of Sept.**									
FACILITY	GC	**0000205363**	CLOSE	GAS CALL BKR 11W	2	4/22/2003	56636	56636	0.0	4/22/2003
Long Description:										
FACILITY	GC	**0000205028**	CLOSE	GAS CALL BKR 11W	2	4/17/2003	01795	01795	0.0	4/17/2003
Long Description:										
FACILITY	GC	**0000204422**	CLOSE	GAS CALL BKR 11W	2	4/7/2003	56636	56636	0.0	4/7/2003
Long Description:										
FACILITY	CM	**0000204004**	CLOSE	REPAIR AA10 CLOSING COIL AIR LEAK	2	4/2/2003	12977	17366	4.0	4/4/2003
Long Description:										
FACILITY	CM	**0000204002**	CLOSE	REPAIR AA10 CLOSING COIL AIR LEAK	2	4/2/2003	12977	17366	8.0	4/24/2003
Long Description:										
FACILITY	CMP	**0000203282**	CLOSE	0500-28 BKR SUMM/WINT INSP 11W	2	4/1/2003	14091	12977	2.0	4/21/2003
Long Description:										
PROTSYS	SR	**0000202242**	CLOSE	PST ASSIST BKR- 11W (DT)	4	3/28/2003	16966		79.5	4/11/2003
Long Description:										
FACILITY	GC	**0000201071**	CLOSE	GAS CALL BKR 11W	2	3/19/2003	56636	56636	0.0	3/19/2003
Long Description:										
FACILITY	GC	**0000197086**	CLOSE	GAS CALL BKR 11W	2	2/14/2003	56636	56636	0.0	2/14/2003
Long Description:										
FACILITY	GC	**0000193915**	CLOSE	GAS CALL GCB/362SFA 11W	2	1/20/2003	01795		0.0	1/31/2003
Long Description:										
FACILITY	GC	**0000190612**	CLOSE	GAS CALL GCB/362SFA 11W	2	12/26/2002	01795		0.0	12/30/2002
Long Description:										
FACILITY	CM	**0000185853**	CLOSE	11W SAFETY WET WITH OIL	2	11/14/2002	17366	17366	2.5	12/12/2002
Long Description:										

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MAXIMO REPORT: EQUIPMENT HISTORY

Station: FARRAGUT **Equipment: BKR-0002248** **FARR-CIRCUIT BREAKER-11W**

RESP AREA	WORK TYPE	WORK NUMBER	STATUS	DESCRIPTION	PRTY	REPORT DATE	REPORTED BY	SUPV	HRS	ACTUAL FINISH
FACILITY Long Description:	GC	**0000185439**	CLOSE	GAS CALL GCB/362SFA 11W	2	11/7/2002	19093		0.0	11/18/2002
FACILITY Long Description:	DT	**0000180117**	CLOSE	BKR- 11W (DT)	2	10/11/2002	12977	17366	117.0	4/7/2003
FACILITY Long Description:	CMP	**0000178959**	CLOSE	0500-28 BKR SUMM/WINT INSP 11W	2	10/1/2002	14091		3.0	12/24/2002
FACILITY Long Description:	GC	**0000177061**	CLOSE	GAS CALL GCB/362SFA 11W	2	9/26/2002	19093		0.0	9/27/2002
FACILITY Long Description:	GC	**0000171312**	CLOSE	GAS CALL GCB/362SFA 11W	2	8/7/2002	56636		0.0	8/23/2002
FACILITY Long Description:	GC	**0000162585**	CLOSE	GAS CALL GCB/362SFA 11W	2	5/26/2002	19093		0.0	5/28/2002
FACILITY Long Description:	CMP	**0000159691**	CLOSE	0500-02 DEW POINT TESTING -BKR 11W	2	4/30/2002	14091		1.5	5/13/2002
FACILITY Long Description:	CM	**0000157746**	CLOSE	ADD OIL TO AIR COMPRESSOR ON SFA BKR 11 W	3	4/16/2002	17090	17366	4.0	5/1/2002
FACILITY Long Description:	CMP	**0000156003**	CLOSE	0500-28 BKR SUMM/WINT INSP 11W	2	4/1/2002	14091		4.0	4/30/2002
FACILITY Long Description:	GC	**0000154990**	CLOSE	GAS CALL GCB/362SFA 11W	2	3/30/2002	19093		0.0	4/2/2002
FACILITY Long Description:	GC	**0000154988**	CLOSE	GAS CALL GCB/362SFA 11W	2	3/30/2002	19093		0.0	4/2/2002
FACILITY Long Description:	GC	**0000149227**	CLOSE	GAS CALL GCB/362SFA 11W	2	2/15/2002	19093		0.0	3/1/2002
FACILITY Long Description:	CMP	**0000130022**	CLOSE	0500-28 BKR SUMM/WINT INSP 11W	1	9/28/2001	14091		4.0	10/19/2001
FACILITY Long Description:	GC	**0000112885**	CLOSE	GAS CALL- BKR 11W	1	5/8/2001	56681		0.0	5/16/2001

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MAXIMO REPORT: EQUIPMENT HISTORY

Station: FARRAGUT **Equipment: BKR-0002248** **FARR-CIRCUIT BREAKER-11W**

RESP AREA	WORK TYPE	WORK NUMBER	STATUS	DESCRIPTION	PRTY	REPORT DATE	REPORTED BY	SUPV	HRS	ACTUAL FINISH
FACILITY Long Description:	CMP	**0000112697**	CLOSE	0500-02 DEW POINT TESTING -BKR 11W	9	5/4/2001	14091		0.5	7/10/2001
FACILITY Long Description:	CMP	**0000112273**	CLOSE	0500-28 BKR SUMM/WINT INSP 11W	1	5/1/2001	14091	06231	1.0	5/30/2001
FACILITY Long Description:	ENVRE	**0000105060**	CLOSE	BKR11W LEAK CHECK SF-6 SYSTEM AND REPAIR	9	3/21/2001	JERRY MARSTON		10.0	5/1/2001
FACILITY Long Description:	CMP	**0000096393**	CLOSE	0500-02 DEW POINT TESTING -BKR 11W	9	2/1/2001	14091	06231	2.0	2/7/2001
FACILITY Long Description:	GC	**0000092804**	CLOSE	GAS CALL- BKR 11W	1	1/2/2001	56636		0.0	2/2/2001
FACILITY Long Description:	GC	**0000089475**	CLOSE	GAS CALL GCB/362SFA 11W	2	12/20/2000	19093		0.0	2/10/2003
FACILITY Long Description:	CMP	**0000078664**	CLOSE	0500-28 BKR SUMM/WINT INSP 11W	1	10/31/2000	14091	06231	2.0	11/8/2000
FACILITY Long Description:	CMP	**0000078474**	CLOSE	0500-02 DEW POINT TESTING -BKR 11W	9	10/31/2000	14091	06231	1.0	11/6/2000
FACILITY Long Description:	CMP	**0000068729**	CLOSE	0500-02 DEW POINT TESTING -BKR 11W	9	8/1/2000	14091		2.0	9/5/2000
FACILITY Long Description:	CM	**0000063419**	CLOSE	CHECK CAUSE OF SAFETY BLOWING ON AIR COMPRESSOR	9	6/6/2000	MARSTONG		6.0	6/12/2000
FACILITY Long Description:	CMP	**0000059031**	CLOSE	0500-02 CIRCUIT BREAKER-11W DEW POINT TESTING	9	4/27/2000	14091		1.3	6/2/2000
FACILITY Long Description:	GC	**0000054724**	CLOSE	FARR-GAS CALL GCB/362SFA 11W	1	3/24/2000	56636		0.0	4/17/2000
FACILITY Long Description:	CMP	**0000054632**	CLOSE	0500-28 BKR SUMM/WINT INSP 11W	1	3/23/2000	14091		1.5	5/1/2000

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MAXIMO REPORT: EQUIPMENT HISTORY

Station: FARRAGUT **Equipment: BKR-0002248** **FARR-CIRCUIT BREAKER-11W**

RESP AREA	WORK TYPE	WORK NUMBER	STATUS	DESCRIPTION	PRTY	REPORT DATE	REPORTED BY	SUPV	HRS	ACTUAL FINISH
FACILITY	CMP	**0000049026**	CLOSE	0500-02 CIRCUIT BREAKER-11W DEW POINT TESTING	9	2/2/2000	14091		1.5	3/8/2000
Long Description:										
FACILITY	CMP	**0000039919**	CLOSE	CIRCUIT BREAKER-11W DEW POINT TESTING (500-02)	9	11/1/1999	14091		1.0	11/11/1999
Long Description:										
FACILITY	CMP	**0000037100**	CLOSE	CIR BKRS 11W WINTERIZATION (500-28)	1	10/12/1999	14091		2.0	10/21/1999
Long Description:										
FACILITY	CMP	**0000029663**	CLOSE	CIRCUIT BREAKER-11W DEW POINT TESTING (500-02)	9	8/9/1999	14091		1.0	10/18/1999
Long Description:										
FACILITY	CMP	**0000021412**	CLOSE	CIRCUIT BREAKER-11W DEW POINT TESTING (500-02)	9	5/27/1999	14091		0.0	6/1/1999
Long Description:										
FACILITY	GC	**0000017993**	CLOSE	FARR-GAS CALL GCB/362SFA 11W	1	5/5/1999	14091		0.0	12/24/2000
Long Description:										

200 total work order(s) having 414.5 hours.

Redacted

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MAXIMO REPORT: EQUIPMENT HISTORY

Station: FARRAGUT **Equipment: BKR-0002253** **FARR-CIRCUIT BREAKER- 2W**

RESP AREA	WORK TYPE	WORK NUMBER	STATUS	DESCRIPTION	PRTY	REPORT DATE	REPORTED BY	SUPV	HRS	ACTUAL FINISH
FACILITY	CM	**0008176185**	INPRG	REPAIR BREAKER 2W (ATB) AIR RELIEF VALVE.	5	5/27/2008	12977		34.0	
Long Description: **NO OPEN INDICATION IN RELAY HSE "B" ON BKR 2W**										
FACILITY	CM	**0008063672**	APPR	BREAKER 2W HAS DOUBLE INDICATION IN OPEN POSITION	5	4/9/2008	56636		0.0	
Long Description: **NO OPEN INDICATION IN RELAY HSE "B" ON BKR 2W**										
FACILITY	CM	**0007886140**	CLOSE	BKR 2W. REPAIR AIR VALVES	5	2/13/2008	12977		16.0	2/27/2008
Long Description:										
FACILITY	CMP-0	**0007857052**	CLOSE	0500-28 SUMMERIZATION INSP BKR 2W	4	2/8/2008	89260	04780	10.0	5/5/2008
Long Description:										
FACILITY	CMP-0	**0007312527**	CLOSE	0500-28 WINTERIZATION INSP BKR 2W	4	9/30/2007	MAXADMIN	16051	9.5	11/8/2007
Long Description:										
FACILITY	CMP	**0006651404**	CLOSE	0500-28 SUMMERIZATION INSP BKR 2W	2	3/1/2007	MAXADMIN	04094	4.0	5/10/2007
Long Description:										
FACILITY	GC	**0006390875**	CLOSE	GAS CALL BKR 2W	2	12/29/2006	18979	18979	0.0	12/29/2006
Long Description:										
AUXSUP	HPOT	**0006372979**	CLOSE	FARRAGUT- BKR 2W- HIPOT AFTER BKR- 2W (DT)	3	12/19/2006	49436		20.0	12/19/2006
Long Description:										
FACILITY	CM	**0006368255**	CLOSE	BKR- 2W (DT) REBUILD INTERRUPTER ON POLE 2	2	12/18/2006	12977		472.0	12/20/2006
Long Description:										
FACILITY	DT	**0006354484**	CLOSE	BKR- 2W (DT)	2	12/5/2006	12977		246.0	12/17/2006
Long Description:										
FACILITY	CMP	**0006072554**	CLOSE	0500-28 BKR WINTERIZATION INSP 2W	2	9/30/2006	MAXADMIN	04767	5.5	10/6/2006
Long Description:										
FACILITY	GC	**0005922752**	CLOSE	GAS CALL BKR 2W	2	8/1/2006	01795	01795	0.0	8/1/2006
Long Description:										
FACILITY	CMP	**0005335994**	CLOSE	0500-28 BKR SUMMERIZATION INSP 2W	2	2/28/2006	MAXADMIN	10479	4.0	4/11/2006
Long Description:										

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MAXIMO REPORT: EQUIPMENT HISTORY

Station: FARRAGUT **Equipment: BKR-0002253** **FARR-CIRCUIT BREAKER- 2W**

RESP AREA	WORK TYPE	WORK NUMBER	STATUS	DESCRIPTION	PRTY	REPORT DATE	REPORTED BY	SUPV	HRS	ACTUAL FINISH
FACILITY	CM	**0000345365**	CLOSE	REPAIR OF 345KV BREAKER 2W FARRAGUT - AIR LEAK ON C PHASE CONTROL CABINET 1 INCH	4	10/26/2005	12977	17366	43.0	9/11/2006
Long Description:	**113/05 CHANGED ALL SAFETY'S ON THE NINE HEADS AND REMOVED PIPING FROM VALVE TO CASH VALVE INSTALLED NEW PIPING AND RESEALED BALL VALVE REINSTALLED SAME AND CHECKED FOR LEAKS .OK SEARS/NEVILLE/OLSEN**									
FACILITY	CMP	**0000341227**	CLOSE	0500-28 BKR WINTERIZATION INSP 2W	2	9/25/2005	PMWOGEN	17090	2.0	10/28/2005
Long Description:										
FACILITY	OH	**0000322409**	APPR	BKR-0002253 ACB 2W OVERHAUL	4	6/6/2005	12977		0.0	
Long Description:										
FACILITY	CMP	**0000301092**	CLOSE	0500-28 BKR SUMMERIZATION INSP 2W	4	2/25/2005	PMWOGEN	04094	2.0	4/20/2005
Long Description:										
FACILITY	CMP	**0000274451**	CLOSE	0500-28 BKR WINTERIZATION INSP 2W	4	9/25/2004	PMWOGEN	49539	2.0	10/6/2004
Long Description:										
FACILITY	CMP	**0000245767**	CLOSE	0500-28 BKR SUMMERIZATION INSP 2W	4	2/28/2004	PMWOGEN	87168	4.0	5/5/2004
Long Description:										
PROTSYS	SR	**0000229574**	CLOSE	FARRAGUT PST TO ASSIST MAINTENANCE BKR. 2W	3	10/28/2003	52770		17.0	11/20/2003
Long Description:										
FACILITY	CM	**0000229382**	CLOSE	BREAKER 2W UNABLE TO CLOSE	2	10/27/2003	17366	17366	24.0	11/3/2003
Long Description:	**REPLACED CLOSING COIL ADJUSTED 52Y RELAY**									
FACILITY	INFO	**0000229332**	CLOSE	BKR UNABLE TO CLOSE	5	10/27/2003	72593		0.0	10/27/2003
Long Description:	**FARRAGUT**									

Equipment Name Voltage Outage
Type OOS Date Projected
Restoration Actual
Restoration Outage Work
Description Contact
FARR-CIRCUIT BREAKER-2W 345 kv OOE2 10/26/2003 23:47 SSO: CHECK & REPAIR BKR UNABLE TO CLOSE
Outage Step Step Start Step End Work Description Work Location Comments
No Steps Defined for Date Range Specified.
Status Date Note
No Notes Defined for Date Range Specified.

Redacted

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MAXIMO REPORT: EQUIPMENT HISTORY

Station: FARRAGUT **Equipment: BKR-0002253** **FARR-CIRCUIT BREAKER- 2W**

RESP AREA	WORK TYPE	WORK NUMBER	STATUS	DESCRIPTION	PRTY	REPORT DATE	REPORTED BY	SUPV	HRS	ACTUAL FINISH
FACILITY	CMP	**0000226954**	CLOSE	0500-28 BKR SUMM/WINT INSP 2W	2	10/3/2003	12977	03954	2.0	10/17/2003
Long Description:										
FACILITY	ENVCC	**0000216508**	CLOSE	BREAKER 2W POLE 3 COMPRESSOR HARLEY TANK NEEDS DRAINING	5	7/16/2003	17090	17090	1.0	7/22/2003

Long Description: **DRAINED APPROX 7-10 GALLONS OF OIL,WATER,SLUDGE AND PUT IN 55 GAL DRUM**

NEVILLE 7-16-03

FACILITY	CM	**0000204809**	CLOSE	BREAKER WOULD NOT CLOSE	5	4/14/2003	12977		24.0	4/24/2003

Long Description: **STATION: FARRAGUT**
CURRENT
SCHEDULED PROJECTED
EQUIPMENT TYPE REASON OOS DATE RETURN RETURN DATE
BKR 2W ATB INFO 4/13/03 7:25
DISCREPANCY BREAKER CANNOT CLOSE
STATUS AS OF 4/13/03
01:58 Operator reports Bkr 2W unable to close via supervisory, local control and interposing relay. All pressures normal. Operator on orders to visually inspect Disc 2W1 & 2W2.
02:45 Operator reports B-phase on Disc 2W1 and A-phase on 2W2 slightly out of the jaws.
05:45 Bkr 2W isolated by opening Disc 2W1 & 2W2.
07:25 Operator attempts to close Bkr 2W via push button but fails. Relays are clicking, but Bkr does not operate.
11:00 Wp issued to SSM to check and repair Bkr 2W
16:30 Wp returned complete. "X" relay was defective and not operating. Bkr 2W restored to service.
CONTACT PERSON:

FACILITY	CMP	**0000203284**	CLOSE	0500-28 BKR SUMM/WINT INSP 2W	2	4/1/2003	14091	12977	4.0	4/21/2003
Long Description:										
FACILITY	GC	**0000194546**	CLOSE	GAS CALL ACB/ATB5AY 2W	2	1/28/2003	18979		0.0	1/31/2003
Long Description:										
FACILITY	CM	**0000191335**	CLOSE	2W CHECK ALARM SETTINGS HP AIR	3	1/2/2003	17366		25.0	1/8/2003
Long Description:										

Redacted

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MAXIMO REPORT: EQUIPMENT HISTORY

Station: FARRAGUT **Equipment: BKR-0002253** **FARR-CIRCUIT BREAKER- 2W**

RESP AREA	WORK TYPE	WORK NUMBER	STATUS	DESCRIPTION	PRTY	REPORT DATE	REPORTED BY	SUPV	HRS	ACTUAL FINISH
AUXSUP	CM	**0000188725**	CLOSE	BKR. 2W POLE 3 COMP. CONTACTOR WON'T ENGAGE WHEN DEPRESSED ALSO HIGH SIDE AIR DR	3	12/9/2002	56188	A MECH	1.0	7/23/2003
Long Description:	**side air drops to 1550 psi. then the air and gas alarm comes up. pole 3 contactor not engaging the compressor when depressed. the compressors are cutting in tom late causing the high side to get very low.**									
FACILITY	CM	**0000185535**	CLOSE	BKR 2W POLE #9 HAS BLOWN SAFETY ON TOP OF HEAD	4	11/9/2002	06846	17366	8.0	11/13/2002
Long Description:										
FACILITY	CMP	**0000178961**	CLOSE	0500-28 BKR SUMM/WINT INSP 2W	2	10/1/2002	14091		1.0	11/7/2002
Long Description:										
PROTSYS	SR	**0000175995**	CLOSE	DOBLE BKR 2W	4	9/17/2002	48335		43.0	10/12/2002
Long Description:										
FACILITY	CM	**0000175973**	CLOSE	TO REPLACE COLUMN 2 INTERRUPTER & REPAIR AIR LEAKS	1	9/17/2002	12977	17366	59.5	9/20/2002
Long Description:										
FACILITY	CM	**0000175922**	CLOSE	TRAINING FOR BKR 2W DT TEST	1	9/16/2002	12977	17366	24.0	10/30/2002
Long Description:										
FACILITY	CM	**0000175921**	CLOSE	BKR 2W COLUMS 1,5,AND 8 AIR CONSUMPTION ADJUSTMENTS	1	9/16/2002	12977	17366	23.0	9/23/2002
Long Description:	**REPLACED # 8 INTERRUPTER**									
PROTSYS	SR	**0000175645**	CLOSE	BKR- 2W INSTALLATION OF JUMPERS	3	9/13/2002	52770		8.0	10/12/2002
Long Description:										
FACILITY	CMP	**0000156001**	CLOSE	0500-28 BKR SUMM/WINT INSP 2W	2	4/1/2002	14091		3.0	4/18/2002
Long Description:										
FACILITY	DT	**0000146459**	CLOSE	BKR- 2W (DT)	1	1/29/2002	12977		106.0	9/19/2002
Long Description:										
FACILITY	CM	**0000135260**	CLOSE	BKR 2W COLUMN 4 SAFETY LEAKING	9	10/30/2001	01795	17366	6.0	11/7/2001
Long Description:										
FACILITY	CMP	**0000130020**	CLOSE	0500-28 BKR SUMM/WINT INSP 2W	1	9/28/2001	14091		2.0	10/19/2001
Long Description:										

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MAXIMO REPORT: EQUIPMENT HISTORY

Station: FARRAGUT **Equipment: BKR-0002253** **FARR-CIRCUIT BREAKER- 2W**

RESP AREA	WORK TYPE	WORK NUMBER	STATUS	DESCRIPTION	PRTY	REPORT DATE	REPORTED BY	SUPV	HRS	ACTUAL FINISH
FACILITY Long Description:	CM	**0000121928**	CLOSE	TO CHECK CAUSE OF BREAKER AUTO OPERATION	9	7/25/2001	14868	17366	18.0	10/4/2001
FACILITY Long Description:	CMP	**0000112275**	CLOSE	0500-28 BKR SUMM/WINT INSP 2W	1	5/1/2001	14091	06231	1.0	5/31/2001
FACILITY Long Description:	GC	**0000089473**	CLOSE	GAS CALL ACB/ATB5AY 2W	2	12/20/2000	19093		0.0	2/10/2003
FACILITY Long Description:	CMP	**0000078662**	CLOSE	0500-28 BKR SUMM/WINT INSP 2W	1	10/31/2000	14091	06231	1.5	11/6/2000
FACILITY Long Description:	CMP	**0000062258**	CLOSE	0500-02 DEW POINT TESTING -BKR 2W	9	5/30/2000	14091		2.0	7/26/2000
FACILITY Long Description:	CMP	**0000054630**	CLOSE	0500-28 BKR SUMM/WINT INSP 2W	1	3/23/2000	14091		1.0	5/1/2000
FACILITY Long Description: **AND CHECK AGAIN BY PST THIS LOR WAS OKCSD CHANGE OUT LOR WITH NEW , PST LATER CHECK AND FOUND NEW LOR N/G, A SECOND NEW LOR WAS INSTALL AND CHECK BY PST . THIS LOR WAS OK.**	CM	**0000054226**	CLOSE	REPAIR AND REPLACE LOR RELATED WITH FDR 48	9	3/19/2000	84206	84206	48.0	3/19/2000
FACILITY Long Description:	CMP	**0000037098**	CLOSE	CIR BKRS 2W WINTERIZATION (500-28)	1	10/12/1999	14091		1.5	11/15/1999
FACILITY Long Description:	CM	**0000034867**	CLOSE	DEFECTIVE 1" DRAIN AIR VALVE LOCATED "C" PHASE CONTROL CABINET	5	9/27/1999	16051		0.5	12/7/1999
FACILITY Long Description:	CMP	**0000022584**	CLOSE	CIRCUIT BREAKER-2W DEW POINT TESTING (500-02)	9	6/8/1999	14091		3.0	6/18/1999
FACILITY Long Description:	GC	**0000017991**	CLOSE	FARR-GAS CALL ACB/ATB5AY 2W	1	5/5/1999	14091		0.5	12/24/2000

51 total work order(s) having 1332.5 hours.

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MAXIMO REPORT: EQUIPMENT HISTORY

Station: FARRAGUT **Equipment: BKR-0002272** **FARR-CIRCUIT BREAKER- 6E **RETIRED****

RESP AREA	WORK TYPE	WORK NUMBER	STATUS	DESCRIPTION	PRTY	REPORT DATE	REPORTED BY	SUPV	HRS	ACTUAL FINISH
AUXSUP	CAP	**0008056613**	CLOSE	FARR BKR 6E- HIPOT	5	4/4/2008	49436	18917	48.0	4/7/2008
Long Description:										
CONST	CAP	**0008045602**	CLOSE	OUT OF SCOPE WORK - BUS SECT 6E - INSTALL RELAYS,WIRE & CONN -FARRAGUT	5	4/1/2008	13990		0.0	4/28/2008
Long Description:										
CONST	CAP	**0008045509**	CLOSE	OUT OF SCOPE ADDITIONAL WORK - BUS SEC 5E (INSTALL RELAYS,WIRE,CONNECT)	5	4/1/2008	13990		0.0	4/22/2008
Long Description:										
PROTSYS	CAP	**0007992404**	CLOSE	FARRAGUT BKR 6E INSTALLATION	5	3/21/2008	05804		1506.5	4/17/2008
Long Description:										
FACILITY	CAP	**0007981716**	CLOSE	BKR 6E REMOVAL	5	3/13/2008	12977		448.0	3/19/2008
Long Description:										
PROTSYS	CAP	**0007980592**	CLOSE	FARRAGUT BKR 6E RETIREMENT	5	3/12/2008	05804		484.0	3/20/2008
Long Description:										
PROTSYS	CAP	**0007931954**	CLOSE	FARRAGUT BKR 6E REPLACEMENT PREP	5	2/29/2008	05804		536.0	3/20/2008
Long Description:										
FACILITY	GC	**0007908260**	CLOSE	GAS CALL BKR 6E	4	2/28/2008	01795	01795	0.0	2/28/2008
Long Description:										
CONST	CAP	**0007848634**	CLOSE	REMOVAL OF BREAKER 6E - FARRAGUT S/S	5	2/4/2008	13990		0.0	5/13/2008
Long Description:										
CONST	CAP	**0007848602**	CLOSE	INSTALLATION OF BREAKER 6E - FARRAGUT S/S	5	2/4/2008	13990		0.0	4/22/2008
Long Description:										
FACILITY	GC	**0007759220**	CLOSE	GAS CALL BKR 6E	4	1/15/2008	01795	01795	0.0	1/15/2008
Long Description:										
FACILITY	CAP	**0007720545**	CLOSE	INSTALLATION OF BREAKER 6E	5	1/4/2008	45772	45772	112.0	4/2/2008
Long Description:	**FARRAGUT- Breaker 6E- Install heater Relay (CAPITAL)**									
	FARRAGUT- Breaker 6E replacement- Heating Circuit- Ongoing									

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MAXIMO REPORT: EQUIPMENT HISTORY

Station: FARRAGUT **Equipment: BKR-0002272** **FARR-CIRCUIT BREAKER- 6E **RETIRED****

RESP AREA	WORK TYPE	WORK NUMBER	STATUS	DESCRIPTION	PRTY	REPORT DATE	REPORTED BY	SUPV	HRS	ACTUAL FINISH
FACILITY Long Description:	CMP-0	**0007373531**	CLOSE	0500-28 WINTERIZATION INSP BKR 6E	4	10/1/2007	MAXADMIN	18903	1.5	11/13/2007
FACILITY Long Description:	GC	**0007299322**	CLOSE	GAS CALL BKR 6E	4	9/25/2007	01795	01795	0.0	9/25/2007
FACILITY Long Description:	CMSF6	**0007215145**	CLOSE	BREAKER 6E SF6 GAS LEAKS	5	8/22/2007	12977		10.0	5/13/2008
FACILITY Long Description:	GC	**0007054480**	CLOSE	GAS CALL BKR 6E	2	6/28/2007	01795	01795	0.0	6/28/2007
FACILITY Long Description:	GC	**0006947967**	CLOSE	GAS CALL BKR 6E	4	5/24/2007	01795	01795	0.0	5/24/2007
FACILITY Long Description:	GC	**0006797264**	CLOSE	GAS CALL BKR 6E	4	4/3/2007	01795	01795	0.0	4/3/2007
FACILITY Long Description:	CMP	**0006652153**	CLOSE	0500-28 SUMMERIZATION INSP BKR 6E	2	3/1/2007	MAXADMIN	09295	2.0	5/18/2007
FACILITY Long Description:	GC	**0006586683**	CLOSE	GAS CALL BKR 6E	2	2/27/2007	01795	01795	0.0	2/27/2007
FACILITY Long Description:	GC	**0006174152**	CLOSE	GAS CALL BKR 6E	2	10/28/2006	01795	01795	0.0	10/28/2006
FACILITY Long Description:	CM	**0006170355**	CLOSE	0500-28 BKR WINTERIZATION INSP 6E	2	10/24/2006	12977	07265	2.0	11/15/2006
FACILITY Long Description:	GC	**0006155100**	CLOSE	GAS CALL BKR 6E	2	10/12/2006	18979	18979	0.0	10/12/2006
FACILITY Long Description:	CMP	**0006072694**	CLOSE	0500-28 BKR WINTERIZATION INSP 6E	2	9/30/2006	MAXADMIN	20094	1.0	10/6/2006
FACILITY Long Description:	GC	**0005955639**	CLOSE	GAS CALL BKR 6E	2	8/20/2006	01795	01795	0.0	8/20/2006
FACILITY Long Description:	GC	**0005837651**	CLOSE	GAS CALL BKR 6E	2	7/7/2006	18979	18979	0.0	7/7/2006

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MAXIMO REPORT: EQUIPMENT HISTORY

Station: FARRAGUT **Equipment: BKR-0002272** **FARR-CIRCUIT BREAKER- 6E **RETIRED****

RESP AREA	WORK TYPE	WORK NUMBER	STATUS	DESCRIPTION	PRTY	REPORT DATE	REPORTED BY	SUPV	HRS	ACTUAL FINISH
FACILITY Long Description:	GC	**0005653393**	CLOSE	GAS CALL BKR 6E	2	5/27/2006	18979	18979	0.0	5/27/2006
FACILITY Long Description:	GC	**0005538385**	CLOSE	GAS CALL BKR 6E	2	4/19/2006	01795	01795	0.0	4/19/2006
FACILITY Long Description:	GC	**0005415391**	CLOSE	GAS CALL BKR 6E	2	3/10/2006	01795	01795	0.0	3/10/2006
FACILITY Long Description:	GC	**0005415097**	CLOSE	GAS CALL BKR 6E	2	3/10/2006	01795	01795	0.0	3/10/2006
FACILITY Long Description:	CMP	**0005355077**	CLOSE	0500-28 BKR SUMMERIZATION INSP 6E	2	2/28/2006	MAXADMIN	10479	3.0	4/11/2006
FACILITY Long Description:	CMP	**0000341233**	CLOSE	0500-28 BKR WINTERIZATION INSP 6E	2	9/25/2005	PMWOGEN	44583	1.5	11/1/2005
FACILITY Long Description:	GC	**0000333400**	CLOSE	GAS CALL BKR 6E	2	8/20/2005	18979	18979	0.0	8/20/2005
FACILITY Long Description:	CMP	**0000301099**	CLOSE	0500-28 BKR SUMMERIZATION INSP 6E	4	2/25/2005	PMWOGEN	04094	2.0	4/20/2005
FACILITY Long Description:	GC	**0000291391**	CLOSE	GAS CALL BKR 6E	2	1/2/2005	01795	01795	0.0	1/2/2005
FACILITY Long Description:	CMP	**0000274458**	CLOSE	0500-28 BKR WINTERIZATION INSP 6E	4	9/25/2004	PMWOGEN	44583	1.0	10/7/2004
FACILITY Long Description:	GC	**0000264189**	CLOSE	GAS CALL BKR 6E	2	7/20/2004	18979	18979	0.0	7/20/2004
FACILITY Long Description:	GC	**0000247878**	CLOSE	GAS CALL BKR 6E	2	3/12/2004	18979	18979	0.0	3/12/2004
FACILITY Long Description:	CMP	**0000245774**	CLOSE	0500-28 BKR SUMMERIZATION INSP 6E	4	2/28/2004	PMWOGEN	03954	2.0	5/18/2004
FACILITY Long Description:	CMP	**0000226961**	CLOSE	0500-28 BKR SUMM/WINT INSP 6E	2	10/3/2003	12977	49539	2.0	10/21/2003

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MAXIMO REPORT: EQUIPMENT HISTORY

Station: FARRAGUT **Equipment: BKR-0002272** **FARR-CIRCUIT BREAKER- 6E **RETIRED****

RESP AREA	WORK TYPE	WORK NUMBER	STATUS	DESCRIPTION	PRTY	REPORT DATE	REPORTED BY	SUPV	HRS	ACTUAL FINISH
FACILITY	CM	**0000223196**	CLOSE	INVESTIAGTE TRIPOUT BKR 6E	4	9/11/2003	12977	17366	24.0	9/29/2003
Long Description:	**PRESSURE SWITCH SETTINGS AS PER EI FOUND LOSE WIRE ON TRIP PUSH BUTTON FOUND PINCHED & GROUNDED WIRE ON POLE # 7 AUX CONTACT CHECKED ADJUSTMENTS ON POLE 7,8,9 FOR PROPER DISTANCE WAS UNABLE TO GET BREAKER TO TRIP 9/22/03**									
FACILITY	CMP	**0000203291**	CLOSE	0500-28 BKR SUMM/WINT INSP 6E	2	4/1/2003	14091	12977	1.5	4/21/2003
Long Description:										
FACILITY	GC	**0000197688**	CLOSE	GAS CALL BKR 6E	2	2/21/2003	18979	18979	0.0	2/21/2003
Long Description:										
FACILITY	CMP	**0000178968**	CLOSE	0500-28 BKR SUMM/WINT INSP 6E	2	10/1/2002	14091		2.0	11/8/2002
Long Description:										
FACILITY	GC	**0000161629**	CLOSE	GAS CALL ACB/ATB5AY 6E	2	5/14/2002	19093		0.0	5/21/2002
Long Description:										
FACILITY	CMP	**0000155994**	CLOSE	0500-28 BKR SUMM/WINT INSP 6E	2	4/1/2002	14091		1.0	4/18/2002
Long Description:										
FACILITY	CMP	**0000130013**	CLOSE	0500-28 BKR SUMM/WINT INSP 6E	1	9/28/2001	14091		6.0	10/24/2001
Long Description:										
FACILITY	CM	**0000125932**	CLOSE	TROUBLESHOOT & REPAIR BKR. 6E - WILL NOT CLOSE	9	8/25/2001	32693	17366	42.0	9/6/2001
Long Description:										
AUXSUP	CM	**0000117119**	CLOSE	6E P 3 AIR COMP DEF, UNIT TO BE REM -116622 WO COMP	9	6/18/2001	25764	25764	73.0	2/5/2002
Long Description:										
AUXSUP	CM	**0000116622**	CLOSE	FARRAGUT BKR 6E POLE # 3 AIR COMPRESSOR DEFECTIVE.	9	6/11/2001	52177	25764	47.0	6/15/2001
Long Description:	**FARRAGUT BKR 6E AIR COMPRESSOR SOUNDS LIKE A BEARING IS SHOT OR THE BOLTS THAT HOLD DOWN THE COMPRESSOR OR THE MOTOR ARE LOOSE. THE COMPRESSOR'S LINE STARTED HAS BEEN REMOVED AND THE A/C FEED RESTORED. THE COMPRESSOR IN QUESTION IS POLE # 3. 07/03/01 WE DRAINED THE COMPRESSOR AND STARTED TO DISCONNECT AIR LINES. INCOMPLETE.**									

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MAXIMO REPORT: EQUIPMENT HISTORY

Station: FARRAGUT **Equipment: BKR-0002272** **FARR-CIRCUIT BREAKER- 6E **RETIRED****

RESP AREA	WORK TYPE	WORK NUMBER	STATUS	DESCRIPTION	PRTY	REPORT DATE	REPORTED BY	SUPV	HRS	ACTUAL FINISH
AUXSUP Long Description:	HPOT	**0000113331**	CLOSE	BKR-0002272 ACB 6E HI POT BREAKER	1	5/14/2001	12977		56.0	7/3/2001
PROTSYS Long Description:	SR	**0000112538**	CLOSE	DOBLE CIRCUIT BKR 6E	9	5/3/2001	49736		41.0	6/29/2001
FACILITY Long Description:	CMP	**0000112281**	CLOSE	0500-28 BKR SUMM/WINT INSP 6E	1	5/1/2001	14091	06231	1.0	5/31/2001
FACILITY Long Description:	SUPT	**0000108945**	CLOSE	BKR-0002272 ACB 6E OVERHAUL (TRAINING)	1	4/9/2001	12977	06231	8.0	10/29/2001
FACILITY Long Description:	FS	**0000106217**	CLOSE	TO HOLD WORK PERMIT FOR CONTRACTORS TO ERECT SCAFFOLDING FOR BREAKER 6E	4	3/30/2001	14868	06231	44.0	7/18/2001
PROTSYS Long Description:	SR	**0000099117**	CLOSE	BKR 6E INDETERMINATE	9	2/23/2001	48335	48335	8.0	3/16/2001
FACILITY Long Description:	GC	**0000089466**	CLOSE	GAS CALL ACB/ATB5AY 6E	2	12/20/2000	19093		0.0	2/10/2003
FACILITY Long Description:	OH	**0000087985**	CLOSE	BKR-0002272 ACB 6E OVERHAUL	1	12/14/2000	12977	06231	1506.0	5/10/2001
AUXSUP Long Description:	CM	**0000087449**	CLOSE	BREAKER 6E,POLE 3 AIR COMPREEOR SUMP TANK 1/2 FULL OF OIL **drain sump tank——wipe area**	9	12/7/2000	12575		8.0	12/11/2000
FACILITY Long Description:	CMP	**0000078655**	CLOSE	0500-28 BKR SUMM/WINT INSP 6E	1	10/31/2000	14091	06231	1.5	11/7/2000
FACILITY Long Description:	GC	**0000076633**	CLOSE	FARR-GAS CALL ACB/ATB5AY 6E	1	10/9/2000	01795		0.0	10/16/2000
FACILITY Long Description:	CMP	**0000062253**	CLOSE	0500-02 DEW POINT TESTING -BKR 6E	9	5/30/2000	14091		2.0	7/26/2000
FACILITY Long Description:	CMP	**0000054623**	CLOSE	0500-28 BKR SUMM/WINT INSP 6E	1	3/23/2000	14091		1.0	5/1/2000

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MAXIMO REPORT: EQUIPMENT HISTORY

Station: FARRAGUT **Equipment: BKR-0002272** **FARR-CIRCUIT BREAKER- 6E **RETIRED****

RESP AREA	WORK TYPE	WORK NUMBER	STATUS	DESCRIPTION	PRTY	REPORT DATE	REPORTED BY	SUPV	HRS	ACTUAL FINISH
FACILITY Long Description:	GC	**0000040285**	CLOSE	FARR-GAS CALL ACB/ATB5AY 6E	1	11/3/1999	01795		0.0	11/29/1999
FACILITY Long Description:	CMP	**0000037091**	CLOSE	CIR BKRS 6E WINTERIZATION (500-28)	1	10/12/1999	14091		1.5	11/15/1999
FACILITY Long Description:	CMP	**0000022579**	CLOSE	CIRCUIT BREAKER-6E DEW POINT TESTING (500-02)	9	6/8/1999	14091		2.5	6/18/1999
FACILITY Long Description:	GC	**0000017984**	CLOSE	FARR-GAS CALL ACB/ATB5AY 6E	1	5/5/1999	14091		0.0	12/24/2000

67 total work order(s) having 5039.5 hours.

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MAXIMO REPORT: EQUIPMENT HISTORY

Station: ASTORIA WEST **Equipment: BKR-0002526** **AST W-CIRCUIT BREAKER 2N**

RESP AREA	WORK TYPE	WORK NUMBER	STATUS	DESCRIPTION	PRTY	REPORT DATE	REPORTED BY	SUPV	HRS	ACTUAL FINISH
FACILITY Long Description:	CMP-0	**0007872186**	CLOSE	0500-28 SUMMERIZATION INSP BKR 2N	4	2/8/2008	89260	28990	2.0	5/5/2008
FACILITY Long Description:	GC	**0007721130**	CLOSE	GAS CALL BKR 2N	4	1/4/2008	56682	56682	0.0	1/4/2008
FACILITY Long Description:	GC	**0007544927**	CLOSE	GAS CALL BKR 2N	4	11/8/2007	56682	56682	0.0	11/8/2007
FACILITY Long Description:	DT	**0007393091**	APPR	BKR- 2N (DT)	4	10/9/2007	MAXADMIN		0.0	
FACILITY Long Description:	CMP-0	**0007311800**	CLOSE	0500-28 BKR WINTERIZATION INSP 2N	4	9/30/2007	MAXADMIN	28990	2.0	11/10/2007
FACILITY Long Description:	CMP-0	**0007236934**	CLOSE	0500-17 ANNUAL COMPRESSOR BKR-2N	4	8/31/2007	MAXADMIN	28990	2.0	1/17/2008
FACILITY Long Description:	GC	**0006812688**	CLOSE	GAS CALL BKR 2N	2	4/15/2007	49961	49961	0.0	4/15/2007
FACILITY Long Description:	CMP	**0006653777**	CLOSE	0500-28 SUMMERIZATION INSP BKR 2N	2	3/1/2007	MAXADMIN	28990	0.0	5/11/2007
FACILITY Long Description:	GC	**0006466637**	CLOSE	GAS CALL BKR 2N	2	1/18/2007	56682	56682	0.0	1/18/2007
FACILITY Long Description:	CM	**0006244576**	CLOSE	REPLACE AIR COMPRESSOR / REPAIR AIR LEAKS	5	11/7/2006	74907		32.0	11/8/2006
FACILITY Long Description:	CMP	**0006070883**	CLOSE	0500-28 BKR WINTERIZATION INSP 2N	2	9/30/2006	MAXADMIN	28990	2.0	11/26/2006
FACILITY Long Description:	CMP	**0005988808**	CLOSE	0500-17 ANNUAL COMPRESSOR BKR-2N	2	8/31/2006	MAXADMIN	28990	0.0	7/8/2007
FACILITY Long Description:	CMP	**0005339970**	CLOSE	0500-28 BKR SUMMERIZATION INSP 2N	2	2/28/2006	MAXADMIN	28990	4.0	4/27/2006
FACILITY Long Description:	GC	**0005103744**	CLOSE	GAS CALL BKR 2N	2	12/31/2005	21159	21159	0.0	12/31/2005

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MAXIMO REPORT: EQUIPMENT HISTORY

Station: ASTORIA WEST **Equipment: BKR-0002526** **AST W-CIRCUIT BREAKER 2N**

RESP AREA	WORK TYPE	WORK NUMBER	STATUS	DESCRIPTION	PRTY	REPORT DATE	REPORTED BY	SUPV	HRS	ACTUAL FINISH
FACILITY Long Description:	CM	**0005065007**	CLOSE	REPAIR GAS LEAKS	5	12/15/2005	74907	74907	219.0	1/24/2007
FACILITY Long Description:	GC	**0005027101**	CLOSE	GAS CALL BKR 2N	2	12/8/2005	56682	56682	0.0	12/8/2005
FACILITY Long Description:	GC	**0004943869**	CLOSE	GAS CALL BKR 2N	2	11/25/2005	56682	56682	0.0	11/25/2005
FACILITY Long Description:	CM	**0004941000**	CLOSE	INSTALL SF6 TUBING TO ISOLATE BKR. 2N	4	11/21/2005	14952	14952	16.0	11/21/2005
FACILITY Long Description:	GC	**0000350375**	CLOSE	GAS CALL BKR 2N	2	11/9/2005	56682	56682	0.0	11/9/2005
FACILITY Long Description:	GC	**0000345344**	CLOSE	GAS CALL BKR 2N	2	10/26/2005	56682	56682	0.0	10/26/2005
FACILITY Long Description:	GC	**0000344310**	CLOSE	GAS CALL BKR 2N	2	10/20/2005	56682	56682	0.0	10/20/2005
FACILITY Long Description:	GC	**0000342143**	CLOSE	GAS CALL BKR 2N	2	9/28/2005	56682	56682	0.0	9/28/2005
FACILITY Long Description:	CMP	**0000341258**	CLOSE	0500-28 BKR WINTERIZATION INSP 2N	2	9/25/2005	PMWOGEN	28990	2.0	11/20/2005
FACILITY Long Description:	CMP	**0000334115**	CLOSE	0500-17 ANNUAL COMPRESSOR BKR-2N	2	8/25/2005	PMWOGEN	28990	2.0	8/30/2006
FACILITY Long Description:	GC	**0000333101**	CLOSE	GAS CALL BKR 2N	2	8/16/2005	56682	56682	0.0	8/16/2005
FACILITY Long Description:	CMP	**0000301126**	CLOSE	0500-28 BKR SUMMERIZATION INSP 2N	4	2/25/2005	PMWOGEN	28990	2.0	5/24/2005
FACILITY Long Description:	CMP	**0000274485**	CLOSE	0500-28 BKR WINTERIZATION INSP 2N	4	9/25/2004	PMWOGEN	28990	4.0	12/17/2004
FACILITY Long Description:	CMP	**0000269240**	CLOSE	0500-17 ANNUAL COMPRESSOR BKR-2N	4	8/25/2004	PMWOGEN	28990	2.0	8/3/2005

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MAXIMO REPORT: EQUIPMENT HISTORY

Station: ASTORIA WEST **Equipment: BKR-0002526** **AST W-CIRCUIT BREAKER 2N**

RESP AREA	WORK TYPE	WORK NUMBER	STATUS	DESCRIPTION	PRTY	REPORT DATE	REPORTED BY	SUPV	HRS	ACTUAL FINISH
FACILITY Long Description:	CM	**0000259291**	CLOSE	2N CHECK CT CIRCUITS	5	6/10/2004	74907	74907	14.0	11/2/2007
FACILITY Long Description:	CMP	**0000245801**	CLOSE	0500-28 BKR SUMMERIZATION INSP 2N	4	2/28/2004	PMWOGEN	28990	2.0	5/26/2004
FACILITY Long Description:	CMP	**0000224794**	CLOSE	0500-28 BKR SUMM/WINT INSP 2N	4	9/29/2003	03710	28990	1.0	3/15/2004
FACILITY Long Description:	CMP	**0000221708**	CLOSE	0500-17 ANNUAL COMPRESSOR BKR-2N	4	9/2/2003	52741	28990	4.0	8/16/2004
FACILITY Long Description:	CMP	**0000202118**	CLOSE	0500-28 BKR SUMM/WINT INSP 2N	2	3/28/2003	52741		1.0	4/16/2003
FACILITY Long Description:	CMP	**0000179139**	CLOSE	0500-28 BKR SUMM/WINT INSP 2N	2	10/2/2002	03710		4.0	11/8/2002
FACILITY Long Description:	CMP	**0000173984**	CLOSE	0500-17 ANNUAL COMPRESSOR BKR-2N	2	9/3/2002	03710		4.0	9/30/2002
FACILITY Long Description:	CM	**0000162241**	CLOSE	TROUBLESHOOT FREQUENT AIR COMPRESSOR RUNNING	2	5/21/2002	19332	19332	8.0	6/25/2002
FACILITY Long Description:	CMP	**0000155148**	CLOSE	0500-28 BKR SUMM/WINT INSP 2N	2	4/1/2002	03710		1.5	4/22/2002
FACILITY Long Description:	CMP	**0000131530**	CLOSE	0500-28 BKR SUMM/WINT INSP 2N	1	10/2/2001	03710		0.5	11/20/2001
FACILITY Long Description:	CM	**0000128758**	CLOSE	BREAKER 2N HAS AIR LEAK	9	9/19/2001	14363		24.0	12/27/2001
FACILITY Long Description:	CMP	**0000127459**	CLOSE	0500-17 ANNUAL COMPRESSOR BKR-2N	9	9/4/2001	03710		0.5	11/20/2001
FACILITY Long Description:	CMP	**0000111848**	CLOSE	0500-28 BKR SUMM/WINT INSP 2N	1	5/1/2001	03710		0.5	5/24/2001
FACILITY Long Description:	CMP	**0000073424**	CLOSE	0500-28 BKR SUMM/WINT INSP 2N	1	9/15/2000	03710		1.0	11/16/2000

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MAXIMO REPORT: EQUIPMENT HISTORY

Station: ASTORIA WEST **Equipment: BKR-0002526** **AST W-CIRCUIT BREAKER 2N**

RESP AREA	WORK TYPE	WORK NUMBER	STATUS	DESCRIPTION	PRTY	REPORT DATE	REPORTED BY	SUPV	HRS	ACTUAL FINISH
FACILITY Long Description:	CMP	**0000073307**	CLOSE	0500-17 ANNUAL COMPRESSOR BKR-2N	9	9/15/2000	03710		1.0	12/5/2000
FACILITY Long Description:	CMP	**0000058199**	CLOSE	0500-28 BKR SUMM/WINT INSP 2N	1	4/26/2000	03710		0.0	5/31/2000
FACILITY Long Description:	CMP	**0000020425**	CLOSE	500-28-CIR BKRS WINTERIZATION IN	1	5/26/1999	98219		0.0	5/26/1999
FACILITY Long Description:	CM	**0000019161**	CLOSE	125 VDC GROUND TRACED TO BKR 2N	9	5/20/1999	74907		28.0	5/22/1999
FACILITY Long Description:	DT	**0000012438**	CLOSE	BKR-0002526 GCB 2N	1	2/23/1999	45769		104.0	4/9/1999
FACILITY Long Description:	CM	**0000009134**	CLOSE	AST WEST - BKR 2N - SF6 GAS SYSTEM REPAIRS	9	1/12/1999	74907		176.0	2/4/1999
FACILITY Long Description:	DT	**0000006924**	CLOSE	AST WEST BKR 2N - DIAGNOSTIC TESTING	9	12/22/1998	74907		8.0	3/1/1999

49 total work order(s) having 674 hours.

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MAXIMO REPORT: EQUIPMENT HISTORY

Station: VERNON **Equipment: BKR-0002775** **VERNON-CIRCUIT BREAKER-7E**

RESP AREA	WORK TYPE	WORK NUMBER	STATUS	DESCRIPTION	PRTY	REPORT DATE	REPORTED BY	SUPV	HRS	ACTUAL FINISH
CONST	CAP	**0008176117**	INPRG	INSTALL 138KV CIRCUIT BREAKER 7E - VERNON S/S	5	5/27/2008	13990		0.0	
Long Description:										
CONST	CAP	**0008176067**	INPRG	REMOVE BREAKER 7E - VERNON S/S	5	5/27/2008	13990		0.0	
Long Description:										
PROTSYS	SR	**0008155200**	INPRG	VERNON BREAKER 7E - LOSS OF A-PHASE VOLTAGE	5	5/12/2008	05212		14.5	
Long Description:										
FACILITY	GC	**0008060836**	CLOSE	GAS CALL BKR 7E	4	4/7/2008	49961	49961	0.0	4/7/2008
Long Description:										
FACILITY	GC	**0007972680**	CLOSE	GAS CALL BKR 7E	4	3/7/2008	49961	49961	0.0	3/7/2008
Long Description:										
FACILITY	CMP-0	**0007875725**	COMP	0500-28 BKR SUMMERIZATION INSP 7E	4	2/8/2008	89260	28990	0.0	5/12/2008
Long Description:										
FACILITY	GC	**0007801977**	CLOSE	GAS CALL BKR 7E	4	1/28/2008	14072	14072	0.0	1/28/2008
Long Description:										
PROTSYS	SR	**0007667226**	CLOSE	VERNON BREAKER 7E INDETERMINATE	5	12/28/2007	05212		6.0	12/28/2007
Long Description:										
FACILITY	GC	**0007651307**	CLOSE	GAS CALL BKR 7E	4	12/12/2007	49961	49961	0.0	12/12/2007
Long Description:										
FACILITY	CMP-0	**0007596665**	APPR	0500-17 ANNUAL COMPRESSOR BKR-7E	4	11/30/2007	MAXADMIN		0.0	
Long Description:										
FACILITY	GC	**0007568030**	CLOSE	GAS CALL BKR 7E	4	11/19/2007	49961	49961	0.0	11/19/2007
Long Description:										
FACILITY	CMP-0	**0007329892**	CLOSE	0500-28 BKR WINTERIZATION INSP 7E	4	9/30/2007	MAXADMIN	28990	2.0	11/18/2007
Long Description:										
FACILITY	CMP	**0007241197**	CLOSE	0500-02 DEW POINT TESTING -BKR 7E	2	8/31/2007	MAXADMIN	28990	0.0	10/17/2007
Long Description:										

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MAXIMO REPORT: EQUIPMENT HISTORY

Station: VERNON **Equipment: BKR-0002775** **VERNON-CIRCUIT BREAKER-7E**

RESP AREA	WORK TYPE	WORK NUMBER	STATUS	DESCRIPTION	PRTY	REPORT DATE	REPORTED BY	SUPV	HRS	ACTUAL FINISH
FACILITY Long Description:	GC	**0007228482**	CLOSE	GAS CALL BKR 7E	2	8/31/2007	14072	14072	0.0	8/31/2007
FACILITY Long Description:	GC	**0007223242**	CLOSE	GAS CALL BKR 7E	2	8/28/2007	49961	49961	0.0	8/28/2007
FACILITY Long Description:	GC	**0007209480**	CLOSE	GAS CALL BKR 7E	2	8/17/2007	49961	49961	0.0	8/17/2007
FACILITY Long Description:	GC	**0007209474**	CLOSE	GAS CALL BKR 7E	2	8/17/2007	49961	49961	0.0	8/17/2007
FACILITY Long Description:	CMSF6	**0007208369**	CLOSE	REPAIR SF6 LEAKS	5	8/16/2007	14952	14952	44.0	9/7/2007
FACILITY Long Description:	GC	**0007201962**	CLOSE	GAS CALL BKR 7E	2	8/13/2007	86072	86072	0.0	8/13/2007
FACILITY Long Description:	GC	**0007198312**	CLOSE	GAS CALL BKR 7E	2	8/10/2007	86072	86072	0.0	8/10/2007
FACILITY Long Description:	GC	**0007193691**	CLOSE	GAS CALL BKR 7E	2	8/6/2007	14808	19201	0.0	9/4/2007
FACILITY Long Description:	GC	**0007193685**	CLOSE	GAS CALL BKR 7E	2	8/6/2007	14808	14808	0.0	9/4/2007
FACILITY Long Description:	GC	**0007191461**	CLOSE	GAS CALL BKR 7E	2	8/3/2007	03848	03848	0.0	8/8/2007
FACILITY Long Description:	GC	**0007177441**	CLOSE	GAS CALL BKR 7E	2	8/1/2007	49961	49961	0.0	8/1/2007
FACILITY Long Description:	GC	**0006975858**	CLOSE	GAS CALL BKR 7E	2	5/31/2007	49961	49961	0.0	5/31/2007
FACILITY Long Description:	GC	**0006925381**	CLOSE	GAS CALL BKR 7E	2	5/7/2007	49961	49961	0.0	5/7/2007
FACILITY Long Description:	GC	**0006826185**	CLOSE	GAS CALL BKR 7E	2	4/26/2007	49961	49961	0.0	4/26/2007

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MAXIMO REPORT: EQUIPMENT HISTORY

Station: VERNON **Equipment: BKR-0002775** **VERNON-CIRCUIT BREAKER-7E**

RESP AREA	WORK TYPE	WORK NUMBER	STATUS	DESCRIPTION	PRTY	REPORT DATE	REPORTED BY	SUPV	HRS	ACTUAL FINISH
FACILITY Long Description:	GC	**0006816755**	CLOSE	GAS CALL BKR 7E	2	4/17/2007	49961	49961	0.0	4/17/2007
FACILITY Long Description:	GC	**0006802774**	CLOSE	GAS CALL BKR 7E	2	4/6/2007	56682	56682	0.0	4/6/2007
FACILITY Long Description:	GC	**0006692141**	CLOSE	GAS CALL BKR 7E	2	3/6/2007	49961	49961	0.0	3/6/2007
FACILITY Long Description:	CMP	**0006645658**	CLOSE	0500-28 BKR SUMMERIZATION INSP 7E	2	2/28/2007	MAXADMIN	28990	0.0	5/12/2007
FACILITY Long Description:	GC	**0006562652**	CLOSE	GAS CALL BKR 7E	2	2/13/2007	49961	49961	0.0	2/13/2007
FACILITY Long Description:	GC	**0006385066**	CLOSE	GAS CALL BKR 7E	2	12/22/2006	49961	49961	0.0	12/22/2006
FACILITY Long Description:	GC	**0006377152**	CLOSE	GAS CALL BKR 7E	2	12/19/2006	49961	49961	0.0	12/19/2006
FACILITY Long Description:	CMP	**0006309548**	CLOSE	0500-17 ANNUAL COMPRESSOR BKR-7E	2	11/30/2006	MAXADMIN	28990	2.0	9/5/2007
FACILITY Long Description:	CMP	**0006074370**	CLOSE	0500-28 BKR WINTERIZATION INSP 7E	2	9/30/2006	MAXADMIN	28990	2.0	12/2/2006
FACILITY Long Description:	GC	**0006063802**	CLOSE	GAS CALL BKR 7E	2	9/26/2006	86072	86072	0.0	9/26/2006
FACILITY Long Description:	GC	**0006047322**	CLOSE	GAS CALL BKR 7E	2	9/13/2006	49961	49961	0.0	9/13/2006
FACILITY Long Description:	GC	**0006041170**	CLOSE	GAS CALL BKR 7E	2	9/12/2006	18839	18839	0.0	9/12/2006
FACILITY Long Description:	GC	**0005970080**	CLOSE	GAS CALL BKR 7E	2	8/28/2006	49961	49961	0.0	8/28/2006
FACILITY Long Description:	GC	**0005762007**	CLOSE	GAS CALL BKR 7E	2	6/23/2006	49961	49961	0.0	6/23/2006

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MAXIMO REPORT: EQUIPMENT HISTORY

Station: VERNON **Equipment: BKR-0002775** **VERNON-CIRCUIT BREAKER-7E**

RESP AREA	WORK TYPE	WORK NUMBER	STATUS	DESCRIPTION	PRTY	REPORT DATE	REPORTED BY	SUPV	HRS	ACTUAL FINISH
FACILITY Long Description:	GC	**0005735737**	CLOSE	GAS CALL BKR 7E	2	6/12/2006	19201	19201	0.0	6/12/2006
FACILITY Long Description:	GC	**0005727548**	CLOSE	GAS CALL BKR 7E	2	6/6/2006	49961	49961	0.0	6/6/2006
FACILITY Long Description:	GC	**0005646804**	CLOSE	GAS CALL BKR 7E	2	5/22/2006	85994	19201	0.0	9/23/2006
FACILITY Long Description:	GC	**0005637285**	CLOSE	GAS CALL BKR 7E	2	5/15/2006	49961	49961	0.0	5/15/2006
FACILITY Long Description:	GC	**0005632295**	CLOSE	GAS CALL BKR 7E	2	5/12/2006	49961	49961	0.0	5/12/2006
FACILITY Long Description:	CMP	**0005570272**	CLOSE	0500-02 DEW POINT TESTING -BKR 7E	2	5/1/2006	MAXADMIN	28990	0.0	7/19/2006
FACILITY Long Description:	GC	**0005549512**	CLOSE	GAS CALL BKR 7E	2	4/26/2006	86072	86072	0.0	4/26/2006
FACILITY Long Description:	GC	**0005516816**	CLOSE	GAS CALL BKR 7E	2	4/7/2006	49961	49961	0.0	4/7/2006
FACILITY Long Description:	CMP	**0005343784**	CLOSE	0500-28 BKR SUMMERIZATION INSP 7E	2	2/28/2006	MAXADMIN	28990	2.0	4/26/2006
FACILITY Long Description:	GC	**0005226403**	CLOSE	GAS CALL BKR 7E	2	2/1/2006	49961	49961	0.0	2/1/2006
FACILITY Long Description:	DT	**0005162897**	CLOSE	BKR- 7E (DT)	2	1/9/2006	47337		72.0	5/16/2006
FACILITY Long Description:	CMP	**0004961431**	CLOSE	0500-17 ANNUAL COMPRESSOR BKR-7E	2	11/30/2005	MAXADMIN	28990	2.0	10/8/2006
FACILITY Long Description:	GC	**0000342307**	CLOSE	GAS CALL BKR 7E	2	9/29/2005	49961	49961	0.0	9/29/2005
FACILITY Long Description:	GC	**0000342017**	CLOSE	GAS CALL BKR 7E	2	9/27/2005	49961	49961	0.0	9/27/2005

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MAXIMO REPORT: EQUIPMENT HISTORY

Station: VERNON **Equipment: BKR-0002775** **VERNON-CIRCUIT BREAKER-7E**

RESP AREA	WORK TYPE	WORK NUMBER	STATUS	DESCRIPTION	PRTY	REPORT DATE	REPORTED BY	SUPV	HRS	ACTUAL FINISH
FACILITY Long Description:	GC	**0000341960**	CLOSE	GAS CALL BKR 7E	2	9/26/2005	49961	49961	0.0	9/26/2005
FACILITY Long Description:	CMP	**0000341277**	CLOSE	0500-28 BKR WINTERIZATION INSP 7E	2	9/25/2005	PMWOGEN	28990	2.0	12/29/2005
FACILITY Long Description:	CM	**0000339316**	CLOSE	REPAIR GAS LEAK	2	9/23/2005	14952	14952	40.0	10/4/2005
FACILITY Long Description:	GC	**0000339288**	CLOSE	GAS CALL BKR 7E	2	9/23/2005	49961	49961	0.0	9/23/2005
FACILITY Long Description:	GC	**0000339191**	CLOSE	GAS CALL BKR 7E	2	9/22/2005	49961	49961	0.0	9/22/2005
FACILITY Long Description:	GC	**0000338635**	CLOSE	GAS CALL BKR 7E	2	9/17/2005	49961	49961	0.0	9/17/2005
FACILITY Long Description:	GC	**0000338253**	CLOSE	GAS CALL BKR 7E	2	9/16/2005	49961	49961	0.0	9/16/2005
FACILITY Long Description:	GC	**0000337970**	CLOSE	GAS CALL BKR 7E	2	9/14/2005	49961	49961	0.0	9/14/2005
FACILITY Long Description:	GC	**0000336440**	CLOSE	GAS CALL BKR 7E	2	9/3/2005	49961	49961	0.0	9/3/2005
FACILITY Long Description:	GC	**0000335866**	CLOSE	GAS CALL BKR 7E	2	8/30/2005	49961	49961	0.0	8/30/2005
FACILITY Long Description:	GC	**0000335770**	CLOSE	GAS CALL BKR 7E	2	8/29/2005	49961	49961	0.0	8/29/2005
FACILITY Long Description:	GC	**0000333618**	CLOSE	GAS CALL BKR 7E	2	8/22/2005	49961	49961	0.0	8/22/2005
FACILITY Long Description:	GC	**0000333289**	CLOSE	GAS CALL BKR 7E	2	8/18/2005	49961	49961	0.0	8/18/2005
FACILITY Long Description:	GC	**0000333114**	CLOSE	GAS CALL BKR 7E	2	8/16/2005	49961	49961	0.0	8/16/2005

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MAXIMO REPORT: EQUIPMENT HISTORY

Station: VERNON **Equipment: BKR-0002775** **VERNON-CIRCUIT BREAKER-7E**

RESP AREA	WORK TYPE	WORK NUMBER	STATUS	DESCRIPTION	PRTY	REPORT DATE	REPORTED BY	SUPV	HRS	ACTUAL FINISH
FACILITY	GC	**0000332065**	CLOSE	GAS CALL BKR 7E	2	8/8/2005	49961	49961	0.0	8/8/2005
Long Description:										
FACILITY	GC	**0000331506**	CLOSE	GAS CALL BKR 7E	2	8/4/2005	49961	49961	0.0	8/4/2005
Long Description:										
FACILITY	GC	**0000328824**	CLOSE	GAS CALL BKR 7E	2	7/28/2005	49961	49961	0.0	7/28/2005
Long Description:										
FACILITY	CMP	**0000313885**	CLOSE	0500-02 DEW POINT TESTING -BKR 7E	4	5/2/2005	19093	28990	4.0	7/24/2005
Long Description:										
FACILITY	GC	**0000312094**	CLOSE	GAS CALL BKR 7E	2	4/27/2005	49961	49961	0.0	4/27/2005
Long Description:										
FACILITY	CM	**0000309908**	CLOSE	REPAIR VALVE ON SF6	3	4/7/2005	14952	14952	16.0	4/12/2005
Long Description:	**Unable to add gas. Replace hoke valve**									
FACILITY	CMP	**0000301154**	CLOSE	0500-28 BKR SUMMERIZATION INSP 7E	4	2/25/2005	PMWOGEN	28990	2.0	5/22/2005
Long Description:										
FACILITY	CM	**0000296403**	CLOSE	REPLACE GAS COMPRESSOR	2	1/31/2005	14952	14952	37.0	1/31/2005
Long Description:										
FACILITY	GC	**0000284798**	CLOSE	GAS CALL BKR 7E	2	12/8/2004	49961	49961	0.0	12/8/2004
Long Description:										
FACILITY	CMP	**0000282355**	CLOSE	0500-17 ANNUAL COMPRESSOR BKR-7E	4	11/25/2004	PMWOGEN	28990	2.0	11/28/2005
Long Description:										
FACILITY	CMP	**0000274507**	CLOSE	0500-28 BKR WINTERIZATION INSP 7E	4	9/25/2004	PMWOGEN	28990	0.0	12/16/2004
Long Description:										
FACILITY	CMP	**0000253025**	CLOSE	0500-02 DEW POINT TESTING -BKR 7E	4	4/25/2004	PMWOGEN	28990	2.0	7/24/2004
Long Description:										

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MAXIMO REPORT: EQUIPMENT HISTORY

Station: VERNON **Equipment: BKR-0002775** **VERNON-CIRCUIT BREAKER-7E**

RESP AREA	WORK TYPE	WORK NUMBER	STATUS	DESCRIPTION	PRTY	REPORT DATE	REPORTED BY	SUPV	HRS	ACTUAL FINISH
FACILITY	INFO	**0000247035**	CLOSE	TRIPPED ON LOW GAS BKR 7E O/A	5	3/1/2004	72593		0.0	3/1/2004
Long Description:	**VERNON**									

Event Type Description Start Date End Date Contact
MISC. Bkr 7E O/A 02/29/2004 22:54 McGroary
Status Date Note
02/29/2004 22:55 Bkr 7E O/A. QB Oper was dispatched to Vernon.
02/29/2004 22:58 Sent Alpha notification.
02/29/2004 23:06 Notified Field Supervisor.
02/29/2004 23:51 Oper reported, bkr 7E tripped on low gas. Found gas compressor belt was loose. High side gas pressure was 180 psi. The tripping pressure is 174 psi. There was no low air/gas alarm which should be activated at 194 psi.
03/01/2004 01:00 Issued W/P to SSOM to check and repair gas compressor.
03/01/2004 01:45 SSOM returned W/P complete.
03/01/2004 02:17 Bkr 7E was restored to service.

FACILITY	CMP	**0000245832**	CLOSE	0500-28 BKR SUMMERIZATION INSP 7E	4	2/28/2004	PMWOGEN	28990	2.0	5/23/2004
Long Description:										
FACILITY	GC	**0000238825**	CLOSE	GAS CALL BKR 7E	2	12/30/2003	19201	19201	0.0	12/30/2003
Long Description:										
FACILITY	CMP	**0000233490**	CLOSE	0500-17 ANNUAL COMPRESSOR BKR-7E	4	11/25/2003	PMWOGEN	28990	2.0	11/7/2004
Long Description:										
FACILITY	CMP	**0000224825**	CLOSE	0500-28 BKR SUMM/WINT INSP 7E	4	9/29/2003	03710	28990	0.0	5/12/2004
Long Description:										
FACILITY	CMP	**0000206677**	CLOSE	0500-02 DEW POINT TESTING -BKR 7E	2	5/1/2003	52741	28990	0.0	6/23/2003
Long Description:										
FACILITY	GC	**0000200532**	CLOSE	GAS CALL BKR 7E	2	3/12/2003	49961	49961	0.0	3/12/2003
Long Description:										
FACILITY	GC	**0000194876**	CLOSE	GAS CALL BKR 7E	2	1/31/2003	49961		0.0	2/20/2003
Long Description:										
FACILITY	CMP	**0000187618**	CLOSE	0500-28 BKR SUMM/WINT INSP 7E	2	12/2/2002	03710		8.0	6/23/2003
Long Description:										
FACILITY	CMP	**0000187487**	CLOSE	0500-17 ANNUAL COMPRESSOR BKR-7E	2	12/2/2002	03710	14952	1.0	12/17/2003
Long Description:										

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MAXIMO REPORT: EQUIPMENT HISTORY

Station: VERNON **Equipment: BKR-0002775** **VERNON-CIRCUIT BREAKER-7E**

RESP AREA	WORK TYPE	WORK NUMBER	STATUS	DESCRIPTION	PRTY	REPORT DATE	REPORTED BY	SUPV	HRS	ACTUAL FINISH
FACILITY Long Description:	GC	**0000181052**	CLOSE	GAS CALL GCB/1380SF6 7E	2	10/22/2002	03710		0.0	10/25/2002
FACILITY Long Description:	GC	**0000172321**	CLOSE	GAS CALL GCB/1380SF6 7E	2	8/20/2002	03710		0.0	8/21/2002
FACILITY Long Description:	GC	**0000172231**	CLOSE	GAS CALL GCB/1380SF6 7E	2	8/20/2002	03710		0.0	8/21/2002
FACILITY Long Description:	GC	**0000172230**	CLOSE	GAS CALL GCB/1380SF6 7E	2	8/20/2002	03710		0.0	8/21/2002
FACILITY Long Description:	GC	**0000172190**	CLOSE	GAS CALL GCB/1380SF6 7E	2	8/19/2002	03710	85180	0.0	2/20/2003
FACILITY Long Description:	GC	**0000172097**	CLOSE	GAS CALL GCB/1380SF6 7E	2	8/16/2002	03710	85180	0.0	2/20/2003
FACILITY Long Description:	GC	**0000172094**	CLOSE	GAS CALL GCB/1380SF6 7E	2	8/16/2002	03710	85180	0.0	2/20/2003
FACILITY Long Description:	GC	**0000171998**	CLOSE	GAS CALL GCB/1380SF6 7E	2	8/15/2002	03710	85180	0.0	2/20/2003
FACILITY Long Description:	GC	**0000171996**	CLOSE	GAS CALL GCB/1380SF6 7E	2	8/15/2002	03710	85180	0.0	2/20/2003
FACILITY Long Description:	GC	**0000171881**	CLOSE	GAS CALL GCB/1380SF6 7E	2	8/14/2002	03710	85180	0.0	2/20/2003
FACILITY Long Description:	GC	**0000171762**	CLOSE	GAS CALL GCB/1380SF6 7E	2	8/13/2002	03710	85180	0.0	2/20/2003
FACILITY Long Description:	GC	**0000171696**	CLOSE	GAS CALL GCB/1380SF6 7E	2	8/12/2002	03710	85180	0.0	2/20/2003
FACILITY Long Description:	GC	**0000171629**	CLOSE	GAS CALL GCB/1380SF6 7E	2	8/11/2002	03710	85180	0.0	2/20/2003
FACILITY Long Description:	CM	**0000171541**	CLOSE	HEAVY SF-6 LEAK TOP OF POLE#1	3	8/9/2002	49961	85180	113.0	8/28/2002

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MAXIMO REPORT: EQUIPMENT HISTORY

Station: VERNON **Equipment: BKR-0002775** **VERNON-CIRCUIT BREAKER-7E**

RESP AREA	WORK TYPE	WORK NUMBER	STATUS	DESCRIPTION	PRTY	REPORT DATE	REPORTED BY	SUPV	HRS	ACTUAL FINISH
FACILITY Long Description:	GC	**0000171535**	CLOSE	GAS CALL GCB/1380SF6 7E	2	8/9/2002	03710		0.0	8/9/2002
FACILITY Long Description:	GC	**0000171479**	CLOSE	GAS CALL GCB/1380SF6 7E	2	8/8/2002	49961		0.0	8/9/2002
FACILITY Long Description:	GC	**0000170797**	CLOSE	GAS CALL GCB/1380SF6 7E	2	8/2/2002	03710		0.0	8/9/2002
FACILITY Long Description:	GC	**0000170659**	CLOSE	GAS CALL GCB/1380SF6 7E	2	8/1/2002	03710		0.0	8/9/2002
FACILITY Long Description:	GC	**0000170208**	CLOSE	GAS CALL GCB/1380SF6 7E	2	8/1/2002	03710		0.0	8/9/2002
FACILITY Long Description:	CM	**0000170150**	CLOSE	EXCESSIVE SF-6 LEAK	3	7/31/2002	49961		0.0	2/20/2003
FACILITY Long Description:	GC	**0000170042**	CLOSE	GAS CALL GCB/1380SF6 7E	2	7/30/2002	03710		0.0	8/9/2002
FACILITY Long Description:	GC	**0000169604**	CLOSE	GAS CALL GCB/1380SF6 7E	2	7/29/2002	03710		0.0	8/9/2002
FACILITY Long Description:	GC	**0000169175**	CLOSE	GAS CALL GCB/1380SF6 7E	2	7/22/2002	03710		0.0	8/9/2002
FACILITY Long Description:	GC	**0000167898**	CLOSE	GAS CALL GCB/1380SF6 7E	2	7/5/2002	03710		0.0	8/9/2002
FACILITY Long Description:	GC	**0000165663**	CLOSE	GAS CALL GCB/1380SF6 7E	2	6/20/2002	03710		0.0	8/9/2002
FACILITY Long Description:	CMP	**0000164364**	CLOSE	0500-28 BKR SUMM/WINT INSP 7E	2	6/4/2002	03710		1.0	7/8/2002
FACILITY Long Description:	CM	**0000161627**	CLOSE	REPAIR GAS LEAKS	4	5/14/2002	47337		0.0	2/20/2003
FACILITY Long Description:	GC	**0000161609**	CLOSE	GAS CALL GCB/1380SF6 7E	2	5/14/2002	03710		0.0	5/20/2002

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MAXIMO REPORT: EQUIPMENT HISTORY

Station: VERNON **Equipment: BKR-0002775** **VERNON-CIRCUIT BREAKER-7E**

RESP AREA	WORK TYPE	WORK NUMBER	STATUS	DESCRIPTION	PRTY	REPORT DATE	REPORTED BY	SUPV	HRS	ACTUAL FINISH
FACILITY Long Description:	GC	**0000161204**	CLOSE	GAS CALL GCB/1380SF6 7E	2	5/8/2002	03710		0.0	5/20/2002
FACILITY Long Description:	CMP	**0000160554**	CLOSE	0500-02 DEW POINT TESTING -BKR 7E	2	5/1/2002	03710	28990	1.0	6/18/2002
FACILITY Long Description:	GC	**0000157919**	CLOSE	GAS CALL GCB/1380SF6 7E	2	4/17/2002	03710		0.0	5/20/2002
FACILITY Long Description:	CM	**0000147477**	CLOSE	INVESTIGATE AND REPAIR SF-6 LEAK	9	2/1/2002	85180	85180	177.5	5/20/2002
FACILITY Long Description:	GC	**0000147324**	CLOSE	GAS CALL GCB/1380SF6 7E	2	2/1/2002	03710		0.0	2/26/2002
FACILITY Long Description:	GC	**0000146910**	CLOSE	GAS CALL GCB/1380SF6 7E	2	1/30/2002	03710		0.0	2/26/2002
FACILITY Long Description:	GC	**0000146449**	CLOSE	GAS CALL GCB/1380SF6 7E	2	1/29/2002	03710		0.0	2/26/2002
FACILITY Long Description:	GC	**0000146335**	CLOSE	GAS CALL GCB/1380SF6 7E	2	1/28/2002	03710		0.0	2/26/2002
FACILITY Long Description:	GC	**0000146137**	CLOSE	GAS CALL GCB/1380SF6 7E	2	1/25/2002	03710		0.0	2/26/2002
FACILITY Long Description:	GC	**0000145963**	CLOSE	GAS CALL GCB/1380SF6 7E	2	1/24/2002	03710		0.0	2/26/2002
FACILITY Long Description:	GC	**0000145538**	CLOSE	GAS CALL GCB/1380SF6 7E	2	1/21/2002	03710		0.0	2/26/2002
FACILITY Long Description:	GC	**0000145471**	CLOSE	GAS CALL GCB/1380SF6 7E	2	1/19/2002	03710		0.0	2/26/2002
FACILITY Long Description:	GC	**0000145209**	CLOSE	GAS CALL GCB/1380SF6 7E	2	1/16/2002	49961		0.0	2/26/2002
FACILITY Long Description:	GC	**0000144178**	CLOSE	GAS CALL GCB/1380SF6 7E	1	1/6/2002	03710		0.0	1/8/2002

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MAXIMO REPORT: EQUIPMENT HISTORY

Station: VERNON **Equipment: BKR-0002775** **VERNON-CIRCUIT BREAKER-7E**

RESP AREA	WORK TYPE	WORK NUMBER	STATUS	DESCRIPTION	PRTY	REPORT DATE	REPORTED BY	SUPV	HRS	ACTUAL FINISH
FACILITY Long Description:	CM	**0000141813**	CLOSE	CHECK AND REPAIR GAS COMPRESSOR	9	12/21/2001	85180		30.0	2/1/2002
FACILITY Long Description:	GC	**0000140752**	CLOSE	GAS CALL GCB/1380SF6 7E	1	12/14/2001	03710		0.0	12/17/2001
FACILITY Long Description:	GC	**0000140557**	CLOSE	GAS CALL GCB/1380SF6 7E	1	12/12/2001	03710		0.0	12/17/2001
FACILITY Long Description:	GC	**0000140007**	CLOSE	GAS CALL GCB/1380SF6 7E	1	12/4/2001	03710		0.0	12/17/2001
FACILITY Long Description:	CMP	**0000139464**	CLOSE	0500-28 BKR SUMM/WINT INSP 7E	1	12/3/2001	03710		1.0	12/9/2001
FACILITY Long Description:	CMP	**0000139411**	CLOSE	0500-17 ANNUAL COMPRESSOR BKR-7E	9	12/3/2001	03710		1.0	12/16/2001
FACILITY Long Description:	GC	**0000138997**	CLOSE	GAS CALL GCB/1380SF6 7E	1	11/30/2001	03710		0.0	12/17/2001
FACILITY Long Description:	GC	**0000138764**	CLOSE	GAS CALL GCB/1380SF6 7E	1	11/29/2001	03710		0.0	12/17/2001
FACILITY Long Description:	GC	**0000138265**	CLOSE	GAS CALL GCB/1380SF6 7E	1	11/28/2001	03710		0.0	12/17/2001
FACILITY Long Description:	GC	**0000138207**	CLOSE	GAS CALL GCB/1380SF6 7E	1	11/27/2001	03710		0.0	11/27/2001
FACILITY Long Description:	GC	**0000138039**	CLOSE	GAS CALL GCB/1380SF6 7E	1	11/25/2001	03710		0.0	11/27/2001
FACILITY Long Description:	GC	**0000137677**	CLOSE	GAS CALL GCB/1380SF6 7E	1	11/17/2001	03710		0.0	11/27/2001
FACILITY Long Description:	GC	**0000137636**	CLOSE	GAS CALL GCB/1380SF6 7E	1	11/16/2001	03710		0.0	11/27/2001
FACILITY Long Description:	GC	**0000137433**	CLOSE	GAS CALL GCB/1380SF6 7E	1	11/14/2001	03710		0.0	11/27/2001

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MAXIMO REPORT: EQUIPMENT HISTORY

Station: VERNON **Equipment: BKR-0002775** **VERNON-CIRCUIT BREAKER-7E**

RESP AREA	WORK TYPE	WORK NUMBER	STATUS	DESCRIPTION	PRTY	REPORT DATE	REPORTED BY	SUPV	HRS	ACTUAL FINISH
FACILITY Long Description:	GC	**0000137317**	CLOSE	GAS CALL GCB/1380SF6 7E	1	11/13/2001	03710		0.0	11/27/2001
FACILITY Long Description:	GC	**0000136909**	CLOSE	GAS CALL GCB/1380SF6 7E	2	11/8/2001	03710		0.0	2/27/2002
FACILITY Long Description:	GC	**0000136835**	CLOSE	GAS CALL GCB/1380SF6 7E	2	11/7/2001	03710		0.0	2/27/2002
FACILITY Long Description:	GC	**0000136627**	CLOSE	GAS CALL GCB/1380SF6 7E	2	11/5/2001	03710		0.0	2/27/2002
FACILITY Long Description:	GC	**0000135899**	CLOSE	GAS CALL - BKR 7E	2	11/1/2001	49961		0.0	2/27/2002
FACILITY Long Description:	GC	**0000135306**	CLOSE	GAS CALL - BKR 7E	2	10/30/2001	03710		0.0	2/27/2002
FACILITY Long Description:	GC	**0000135217**	CLOSE	GAS CALL - BKR 7E	2	10/29/2001	49961		0.0	2/27/2002
FACILITY Long Description:	GC	**0000134117**	CLOSE	GAS CALL - BKR 7E	2	10/22/2001	49961		0.0	2/27/2002
FACILITY Long Description:	GC	**0000133776**	CLOSE	GAS CALL - BKR 7E	2	10/18/2001	49961		0.0	2/27/2002
FACILITY Long Description:	GC	**0000133445**	CLOSE	GAS CALL - BKR 7E	2	10/16/2001	49961		0.0	2/27/2002
FACILITY Long Description:	GC	**0000133366**	CLOSE	GAS CALL- BKR 7E	1	10/15/2001	49961		0.0	10/16/2001
FACILITY Long Description:	GC	**0000132412**	CLOSE	GAS CALL- BKR 7E	1	10/7/2001	14265		0.0	10/16/2001
FACILITY Long Description:	GC	**0000132055**	CLOSE	GAS CALL- BKR 7E	1	10/4/2001	49961		0.0	10/16/2001
FACILITY Long Description:	GC	**0000131681**	CLOSE	GAS CALL- BKR 7E	1	10/2/2001	49961		0.0	10/16/2001

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MAXIMO REPORT: EQUIPMENT HISTORY

Station: VERNON **Equipment: BKR-0002775** **VERNON-CIRCUIT BREAKER-7E**

RESP AREA	WORK TYPE	WORK NUMBER	STATUS	DESCRIPTION	PRTY	REPORT DATE	REPORTED BY	SUPV	HRS	ACTUAL FINISH
FACILITY Long Description:	GC	**0000130339**	CLOSE	GAS CALL- BKR 7E	1	9/28/2001	49961		0.0	10/16/2001
FACILITY Long Description:	GC	**0000129271**	CLOSE	GAS CALL- BKR 7E	1	9/26/2001	49961		0.0	10/16/2001
FACILITY Long Description:	GC	**0000128658**	CLOSE	GAS CALL- BKR 7E	1	9/17/2001	03710		0.0	9/21/2001
FACILITY Long Description:	GC	**0000128312**	CLOSE	GAS CALL- BKR 7E	1	9/12/2001	03710		0.0	9/21/2001
FACILITY Long Description:	GC	**0000128179**	CLOSE	GAS CALL- BKR 7E	1	9/10/2001	49961		0.0	9/10/2001
FACILITY Long Description:	GC	**0000127296**	CLOSE	GAS CALL- BKR 7E	1	9/3/2001	14265		0.0	9/3/2001
FACILITY Long Description:	GC	**0000127125**	CLOSE	GAS CALL- BKR 7E	1	9/1/2001	49961		0.0	9/1/2001
FACILITY Long Description:	GC	**0000126879**	CLOSE	GAS CALL- BKR 7E	1	8/31/2001	49961		0.0	8/31/2001
FACILITY Long Description:	GC	**0000126873**	CLOSE	GAS CALL- BKR 7E	1	8/31/2001	49961		0.0	9/21/2001
FACILITY Long Description:	GC	**0000126373**	CLOSE	GAS CALL- BKR 7E	1	8/29/2001	49961		0.0	8/29/2001
FACILITY Long Description:	GC	**0000125405**	CLOSE	GAS CALL- BKR 7E	1	8/21/2001	03710		0.0	8/29/2001
FACILITY Long Description:	GC	**0000124578**	CLOSE	GAS CALL- BKR 7E	1	8/13/2001	03710		0.0	8/29/2001
FACILITY Long Description:	GC	**0000124271**	CLOSE	GAS CALL- BKR 7E	1	8/10/2001	03710		0.0	8/29/2001
FACILITY Long Description:	GC	**0000123575**	CLOSE	GAS CALL- BKR 7E	1	8/4/2001	03710		0.0	8/29/2001

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MAXIMO REPORT: EQUIPMENT HISTORY

Station: VERNON **Equipment: BKR-0002775** **VERNON-CIRCUIT BREAKER-7E**

RESP AREA	WORK TYPE	WORK NUMBER	STATUS	DESCRIPTION	PRTY	REPORT DATE	REPORTED BY	SUPV	HRS	ACTUAL FINISH
FACILITY Long Description:	CMP	**0000120348**	CLOSE	0500-02 DEW POINT TESTING -BKR 7E	9	7/11/2001	03710	28990	1.0	11/26/2001
FACILITY Long Description:	GC	**0000117947**	CLOSE	GAS CALL- BKR 7E	1	6/26/2001	03710		0.0	8/29/2001
FACILITY Long Description:	CMP	**0000115871**	CLOSE	0500-28 BKR SUMM/WINT INSP 7E	1	6/4/2001	03710		1.0	6/14/2001
FACILITY Long Description:	CMP	**0000111892**	CLOSE	0500-02 DEW POINT TESTING -BKR 7E	1	5/1/2001	03710		1.0	6/14/2001
FACILITY Long Description:	GC	**0000110075**	CLOSE	GAS CALL- BKR 7E	1	4/20/2001	03710		0.0	5/7/2001
FACILITY Long Description:	GC	**0000099414**	CLOSE	GAS CALL- BKR 7E	1	2/26/2001	03710		0.0	5/7/2001
FACILITY Long Description:	CMP	**0000096463**	CLOSE	0500-02 DEW POINT TESTING -BKR 7E	1	2/1/2001	03710		1.5	2/25/2001
FACILITY Long Description:	GC	**0000092458**	CLOSE	GAS CALL GCB/1380SF6 7E	1	12/30/2000	14265		0.0	5/7/2001
FACILITY Long Description:	GC	**0000091151**	CLOSE	GAS CALL GCB/1380SF6 7E	2	12/22/2000	03710		0.0	6/5/2002
FACILITY Long Description:	CMP	**0000078380**	CLOSE	0500-02 DEW POINT TESTING -BKR 7E	9	10/31/2000	03710		0.0	12/5/2000
FACILITY Long Description:	CMP	**0000073367**	CLOSE	0500-28 BKR SUMM/WINT INSP 7E	1	9/15/2000	03710		1.0	11/30/2000
FACILITY Long Description:	CMP	**0000073316**	CLOSE	0500-17 ANNUAL COMPRESSOR BKR-7E	9	9/15/2000	03710		1.0	12/5/2000
FACILITY Long Description:	CMP	**0000068529**	CLOSE	0500-02 DEW POINT TESTING -BKR 7E	1	7/31/2000	03710		0.0	12/5/2000
FACILITY Long Description:	CMP	**0000062567**	CLOSE	0500-02 DEW POINT TESTING -BKR 7E	1	6/1/2000	03710		0.0	6/28/2000

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MAXIMO REPORT: EQUIPMENT HISTORY

Station: VERNON **Equipment: BKR-0002775** **VERNON-CIRCUIT BREAKER-7E**

RESP AREA	WORK TYPE	WORK NUMBER	STATUS	DESCRIPTION	PRTY	REPORT DATE	REPORTED BY	SUPV	HRS	ACTUAL FINISH
FACILITY Long Description:	CMP	**0000058517**	CLOSE	0500-02-SF6 DEW POINT TEST	1	4/26/2000	03710		0.0	6/1/2000
FACILITY Long Description:	CMP	**0000058516**	CLOSE	0500-02-SF6 DEW POINT TEST	1	4/26/2000	03710		0.0	6/1/2000
FACILITY Long Description:	CMP	**0000058515**	CLOSE	0500-02-SF6 DEW POINT TEST	1	4/26/2000	03710		0.0	6/1/2000
FACILITY Long Description:	CMP	**0000058514**	CLOSE	0500-28 BKR SUMM/WINT INSP 7E	1	4/26/2000	03710		0.0	5/31/2000
FACILITY Long Description:	GC	**0000039445**	CLOSE	GAS CALL GCB/1380SF6 7E	1	10/29/1999	14091		0.0	12/22/2000
FACILITY Long Description:	CM	**0000033055**	CLOSE	VERNON - BKR 7E - GAS LEAK REPAIRS	9	9/9/1999	74907		72.5	10/4/1999
FACILITY Long Description:	GC	**0000032841**	CLOSE	GAS CALL	9	9/7/1999	74907		0.0	10/29/1999
FACILITY Long Description:	GC	**0000032840**	CLOSE	GAS CALL	9	9/7/1999	74907		0.0	10/29/1999
FACILITY Long Description:	GC	**0000032724**	CLOSE	GAS CALL	9	9/6/1999	89632		0.0	10/29/1999
FACILITY Long Description:	GC	**0000032723**	CLOSE	GAS CALL	9	9/6/1999	89632		0.0	10/29/1999
FACILITY Long Description:	CMP	**0000020469**	CLOSE	500-02-SF6 DEW POINT TEST	1	5/26/1999	98219		0.0	5/26/1999
FACILITY Long Description:	CMP	**0000020468**	CLOSE	500-28-CIR BKRS WINTERIZATION IN	1	5/26/1999	98219		0.0	5/26/1999

201 total work order(s) having 668 hours.

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Exhibit __ (SIIP-1)
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MAXIMO REPORT: EQUIPMENT HISTORY

Station: VERNON **Equipment: BKR-0002776** **VERNON-CIRCUIT BREAKER-7W **RETIRED****

RESP AREA	WORK TYPE	WORK NUMBER	STATUS	DESCRIPTION	PRTY	REPORT DATE	REPORTED BY	SUPV	HRS	ACTUAL FINISH
AUXSUP	CAP	**0007843753**	CLOSE	VERNON - BKR 7W- HIPOT AFTER REPLACEMENT - NEW INSTALLATION	5	2/1/2008	49436	18917	16.0	2/8/2008
Long Description:										
FACILITY	CAP	**0007791546**	CLOSE	VERNON S/S - BREAKER 7W REMOVAL - OPER / MECH SUPPORT	3	1/21/2008	52741		284.0	2/19/2008
Long Description:										
PROTSYS	CAP	**0007788497**	CLOSE	VERNON S/S - BREAKER 7W REPLACEMENT - NEW INSTALLATION	5	1/18/2008	13130		688.0	3/17/2008
Long Description:										
PROTSYS	CAP	**0007788457**	CLOSE	VERNON S/S - BREAKER 7W REMOVAL - RETIRED	5	1/18/2008	13130		193.5	1/27/2008
Long Description:										
CONST	CAP	**0007750829**	CLOSE	REMOVAL OF 138KV CIRCUIT BREAKER 7W - VERNON S/S	5	1/12/2008	13990		0.0	2/1/2008
Long Description:										
FACILITY	GC	**0007666471**	CLOSE	GAS CALL BKR 7W	4	12/27/2007	85631	85631	0.0	12/27/2007
Long Description:										
FACILITY	GC	**0007666169**	CLOSE	GAS CALL BKR 7W	4	12/27/2007	85631	85631	0.0	12/27/2007
Long Description:										
FACILITY	GC	**0007571354**	CLOSE	GAS CALL BKR 7W	4	11/23/2007	49961	49961	0.0	11/23/2007
Long Description:										
FACILITY	CAP	**0007568067**	CLOSE	REPLACE BREAKER 7W	5	11/19/2007	85180	14952	160.0	2/6/2008
Long Description:										
FACILITY	CMP-0	**0007329857**	CLOSE	0500-28 BKR WINTERIZATION INSP 7W	4	9/30/2007	MAXADMIN	28990	2.0	11/18/2007
Long Description:										
FACILITY	CMP	**0007241222**	CLOSE	0500-02 DEW POINT TESTING -BKR 7W	2	8/31/2007	MAXADMIN	28990	0.0	10/17/2007
Long Description:										
FACILITY	GC	**0006975865**	CLOSE	GAS CALL BKR 7W	2	5/31/2007	49961	49961	0.0	5/31/2007
Long Description:										
FACILITY	GC	**0006930175**	CLOSE	GAS CALL BKR 7W	2	5/11/2007	49961	49961	0.0	5/11/2007
Long Description:										

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MAXIMO REPORT: EQUIPMENT HISTORY

Station: VERNON **Equipment: BKR-0002776** **VERNON-CIRCUIT BREAKER-7W **RETIRED****

RESP AREA	WORK TYPE	WORK NUMBER	STATUS	DESCRIPTION	PRTY	REPORT DATE	REPORTED BY	SUPV	HRS	ACTUAL FINISH
FACILITY Long Description:	GC	**0006917547**	CLOSE	GAS CALL BKR 7W	2	5/2/2007	49961	49961	0.0	5/2/2007
FACILITY Long Description:	GC	**0006721984**	CLOSE	GAS CALL BKR 7W	2	3/24/2007	49961	49961	0.0	3/24/2007
FACILITY Long Description:	CMP	**0006645692**	CLOSE	0500-28 BKR SUMMERIZATION INSP 7W	2	2/28/2007	MAXADMIN	28990	0.0	5/12/2007
FACILITY Long Description:	CMP	**0006309579**	CLOSE	0500-17 ANNUAL COMPRESSOR BKR-7W	2	11/30/2006	MAXADMIN	28990	2.0	9/5/2007
FACILITY Long Description:	GC	**0006250418**	CLOSE	GAS CALL BKR 7W	2	11/13/2006	49961	49961	0.0	11/13/2006
FACILITY Long Description:	GC	**0006177726**	CLOSE	GAS CALL BKR 7W	2	10/30/2006	49961	49961	0.0	10/30/2006
FACILITY Long Description:	GC	**0006148587**	CLOSE	GAS CALL BKR 7W	2	10/6/2006	49961	49961	0.0	10/6/2006
FACILITY Long Description:	CMP	**0006074405**	CLOSE	0500-28 BKR WINTERIZATION INSP 7W	2	9/30/2006	MAXADMIN	28990	2.0	11/30/2006
FACILITY Long Description:	GC	**0006057054**	CLOSE	GAS CALL BKR 7W	2	9/21/2006	49961	49961	0.0	9/21/2006
FACILITY Long Description:	GC	**0006031174**	CLOSE	GAS CALL BKR 7W	2	9/4/2006	85631	85828	0.0	9/5/2006
FACILITY Long Description:	GC	**0005930654**	CLOSE	GAS CALL BKR 7W	2	8/6/2006	14072	19201	0.0	9/23/2006
FACILITY Long Description:	GC	**0005760315**	CLOSE	GAS CALL BKR 7W	2	6/21/2006	49961	49961	0.0	6/21/2006
FACILITY Long Description:	CMP	**0005570299**	CLOSE	0500-02 DEW POINT TESTING -BKR 7W	2	5/1/2006	MAXADMIN	28990	0.0	7/19/2006
FACILITY Long Description:	GC	**0005450318**	CLOSE	GAS CALL BKR 7W	2	3/29/2006	49961	49961	0.0	3/29/2006

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MAXIMO REPORT: EQUIPMENT HISTORY

Station: VERNON **Equipment: BKR-0002776** **VERNON-CIRCUIT BREAKER-7W **RETIRED****

RESP AREA	WORK TYPE	WORK NUMBER	STATUS	DESCRIPTION	PRTY	REPORT DATE	REPORTED BY	SUPV	HRS	ACTUAL FINISH
FACILITY Long Description:	CMP	**0005343818**	CLOSE	0500-28 BKR SUMMERIZATION INSP 7W	2	2/28/2006	MAXADMIN	28990	2.0	4/26/2006
FACILITY Long Description:	GC	**0005163948**	CLOSE	GAS CALL BKR 7W	2	1/10/2006	49961	49961	0.0	1/10/2006
FACILITY Long Description:	CMP	**0004961462**	CLOSE	0500-17 ANNUAL COMPRESSOR BKR-7W	2	11/30/2005	MAXADMIN	28990	2.0	10/8/2006
FACILITY Long Description:	GC	**0000349555**	CLOSE	GAS CALL BKR 7W	2	11/3/2005	49961	49961	0.0	11/3/2005
FACILITY Long Description:	GC	**0000344581**	CLOSE	GAS CALL BKR 7W	2	10/23/2005	49961	49961	0.0	10/23/2005
FACILITY Long Description:	GC	**0000343588**	CLOSE	GAS CALL BKR 7W	2	10/12/2005	49961	49961	0.0	10/12/2005
FACILITY Long Description:	GC	**0000343146**	CLOSE	GAS CALL BKR 7W	2	10/7/2005	49961	49961	0.0	10/7/2005
FACILITY Long Description:	GC	**0000342480**	CLOSE	GAS CALL BKR 7W	2	10/1/2005	49961	49961	0.0	10/1/2005
FACILITY Long Description:	GC	**0000342139**	CLOSE	GAS CALL BKR 7W	2	9/28/2005	49961	49961	0.0	9/28/2005
FACILITY Long Description:	GC	**0000341961**	CLOSE	GAS CALL BKR 7W	2	9/26/2005	49961	49961	0.0	9/26/2005
FACILITY Long Description:	CMP	**0000341278**	CLOSE	0500-28 BKR WINTERIZATION INSP 7W	2	9/25/2005	PMWOGEN	28990	2.0	12/29/2005
FACILITY Long Description:	CM	**0000339319**	CLOSE	REPAIR GAS LEAK	2	9/23/2005	14952	14952	12.0	11/21/2005
FACILITY Long Description:	GC	**0000339192**	CLOSE	GAS CALL BKR 7W	2	9/22/2005	49961	49961	0.0	9/22/2005
FACILITY Long Description:	CM	**0000338872**	CLOSE	REPLACE HOKE VALVE ON BKR.	5	9/19/2005	14952	14952	16.0	11/18/2005

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MAXIMO REPORT: EQUIPMENT HISTORY

Station: VERNON **Equipment: BKR-0002776** **VERNON-CIRCUIT BREAKER-7W **RETIRED****

RESP AREA	WORK TYPE	WORK NUMBER	STATUS	DESCRIPTION	PRTY	REPORT DATE	REPORTED BY	SUPV	HRS	ACTUAL FINISH
FACILITY Long Description:	GC	**0000338859**	CLOSE	GAS CALL BKR 7W	2	9/19/2005	49961	49961	0.0	9/19/2005
FACILITY Long Description:	GC	**0000338254**	CLOSE	GAS CALL BKR 7W	2	9/16/2005	49961	49961	0.0	9/16/2005
FACILITY Long Description:	GC	**0000335865**	CLOSE	GAS CALL BKR 7W	2	8/30/2005	49961	49961	0.0	8/30/2005
FACILITY Long Description:	GC	**0000333619**	CLOSE	GAS CALL BKR 7W	2	8/22/2005	49961	49961	0.0	8/22/2005
FACILITY Long Description:	CM	**0000333271**	CLOSE	SHOOT BKR. WITH SF6 CAMERA	5	8/18/2005	14952	14952	16.0	11/18/2005
FACILITY Long Description:	CM	**0000333240**	CLOSE	MOVE SF6 CART	4	8/18/2005	14952	14952	16.0	11/18/2005
FACILITY Long Description:	CM	**0000332178**	CLOSE	REPAIR SF6 LEAK	5	8/9/2005	14952	14952	36.0	11/18/2005
FACILITY Long Description:	GC	**0000332151**	CLOSE	GAS CALL BKR 7W	2	8/9/2005	49961	49961	0.0	8/9/2005
FACILITY Long Description:	GC	**0000332066**	CLOSE	GAS CALL BKR 7W	2	8/8/2005	49961	49961	0.0	8/8/2005
FACILITY Long Description:	CM	**0000331691**	CLOSE	LEAK CHECK BREAKER	5	8/5/2005	14952	14952	8.0	8/18/2005
FACILITY Long Description:	GC	**0000331152**	CLOSE	GAS CALL BKR 7W	2	8/1/2005	49961	49961	0.0	8/1/2005
FACILITY Long Description:	GC	**0000328146**	CLOSE	GAS CALL BKR 7W	2	7/22/2005	49961	49961	0.0	7/22/2005
FACILITY Long Description:	GC	**0000327261**	CLOSE	GAS CALL BKR 7W	2	7/13/2005	49961	49961	0.0	7/13/2005
FACILITY Long Description:	GC	**0000315778**	CLOSE	GAS CALL BKR 7W	2	5/18/2005	49961	49961	0.0	5/18/2005

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MAXIMO REPORT: EQUIPMENT HISTORY

Station: VERNON **Equipment: BKR-0002776** **VERNON-CIRCUIT BREAKER-7W **RETIRED****

RESP AREA	WORK TYPE	WORK NUMBER	STATUS	DESCRIPTION	PRTY	REPORT DATE	REPORTED BY	SUPV	HRS	ACTUAL FINISH
FACILITY Long Description:	GC	**0000314446**	CLOSE	GAS CALL BKR 7W	2	5/5/2005	49961	49961	0.0	5/5/2005
FACILITY Long Description:	CMP	**0000313886**	CLOSE	0500-02 DEW POINT TESTING -BKR 7W	4	5/2/2005	19093	28990	2.0	7/24/2005
FACILITY Long Description:	GC	**0000311245**	CLOSE	GAS CALL BKR 7W	2	4/19/2005	49961	49961	0.0	4/19/2005
FACILITY Long Description:	GC	**0000306333**	CLOSE	GAS CALL BKR 7W	2	3/23/2005	49961	49961	0.0	3/23/2005
FACILITY Long Description:	CMP	**0000301155**	CLOSE	0500-28 BKR SUMMERIZATION INSP 7W	4	2/25/2005	PMWOGEN	28990	2.0	5/23/2005
FACILITY Long Description:	CMP	**0000282356**	CLOSE	0500-17 ANNUAL COMPRESSOR BKR-7W	4	11/25/2004	PMWOGEN	28990	2.0	11/28/2005
FACILITY Long Description:	CMP	**0000274508**	CLOSE	0500-28 BKR WINTERIZATION INSP 7W	4	9/25/2004	PMWOGEN	28990	0.0	12/16/2004
FACILITY Long Description:	GC	**0000271949**	CLOSE	GAS CALL BKR 7W	2	9/17/2004	49961	49961	0.0	9/17/2004
FACILITY Long Description:	CMP	**0000253026**	CLOSE	0500-02 DEW POINT TESTING -BKR 7W	4	4/25/2004	PMWOGEN	28990	2.0	7/24/2004
FACILITY Long Description:	CMP	**0000245833**	CLOSE	0500-28 BKR SUMMERIZATION INSP 7W	4	2/28/2004	PMWOGEN	28990	2.0	5/23/2004
FACILITY Long Description:	GC	**0000241571**	CLOSE	GAS CALL BKR 7W	2	1/28/2004	49961	49961	0.0	2/16/2004
FACILITY Long Description:	CMP	**0000233491**	CLOSE	0500-17 ANNUAL COMPRESSOR BKR-7W	4	11/25/2003	PMWOGEN	28990	2.0	11/7/2004
FACILITY Long Description:	CMP	**0000224826**	CLOSE	0500-28 BKR SUMM/WINT INSP 7W	4	9/29/2003	03710	28990	0.0	5/12/2004
FACILITY Long Description:	DT	**0000219218**	CLOSE	BKR- 7W (DT)	3	8/6/2003	47337	08050	74.0	3/5/2004

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MAXIMO REPORT: EQUIPMENT HISTORY

Station: VERNON **Equipment: BKR-0002776** **VERNON-CIRCUIT BREAKER-7W **RETIRED****

RESP AREA	WORK TYPE	WORK NUMBER	STATUS	DESCRIPTION	PRTY	REPORT DATE	REPORTED BY	SUPV	HRS	ACTUAL FINISH
FACILITY Long Description:	CMP	**0000206678**	CLOSE	0500-02 DEW POINT TESTING -BKR 7W	2	5/1/2003	52741	28990	0.0	6/23/2003
FACILITY Long Description:	GC	**0000194889**	CLOSE	GAS CALL BKR 7W	2	1/31/2003	49961		0.0	2/20/2003
FACILITY Long Description:	GC	**0000194887**	CLOSE	GAS CALL BKR 7W	2	1/31/2003	49961		0.0	2/20/2003
FACILITY Long Description:	CMP	**0000187619**	CLOSE	0500-28 BKR SUMM/WINT INSP 7W	2	12/2/2002	03710		8.0	6/23/2003
FACILITY Long Description:	CMP	**0000187488**	CLOSE	0500-17 ANNUAL COMPRESSOR BKR-7W	2	12/2/2002	03710	14952	1.0	12/17/2003
FACILITY Long Description:	GC	**0000173572**	CLOSE	GAS CALL GCB/1380SF6 7W	2	8/30/2002	03710		0.0	10/25/2002
FACILITY Long Description:	GC	**0000173430**	CLOSE	GAS CALL GCB/1380SF6 7W	2	8/29/2002	03710		0.0	10/25/2002
FACILITY Long Description:	GC	**0000172974**	CLOSE	GAS CALL GCB/1380SF6 7W	2	8/28/2002	03710	85180	0.0	2/20/2003
FACILITY Long Description:	GC	**0000172877**	CLOSE	GAS CALL GCB/1380SF6 7W	2	8/27/2002	03710	85180	0.0	2/20/2003
FACILITY Long Description:	GC	**0000172792**	CLOSE	GAS CALL GCB/1380SF6 7W	2	8/26/2002	49961	85180	0.0	2/20/2003
FACILITY Long Description:	GC	**0000172571**	CLOSE	GAS CALL GCB/1380SF6 7W	2	8/23/2002	03710	85180	0.0	2/20/2003
FACILITY Long Description:	GC	**0000172461**	CLOSE	GAS CALL GCB/1380SF6 7W	2	8/21/2002	03710	85180	0.0	2/20/2003
FACILITY Long Description:	GC	**0000172322**	CLOSE	GAS CALL GCB/1380SF6 7W	2	8/20/2002	03710		0.0	8/21/2002
FACILITY Long Description:	GC	**0000172098**	CLOSE	GAS CALL GCB/1380SF6 7W	2	8/16/2002	03710	85180	0.0	2/20/2003

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MAXIMO REPORT: EQUIPMENT HISTORY

Station: VERNON **Equipment: BKR-0002776** **VERNON-CIRCUIT BREAKER-7W **RETIRED****

RESP AREA	WORK TYPE	WORK NUMBER	STATUS	DESCRIPTION	PRTY	REPORT DATE	REPORTED BY	SUPV	HRS	ACTUAL FINISH
FACILITY Long Description:	GC	**0000171882**	CLOSE	GAS CALL GCB/1380SF6 7W	2	8/14/2002	03710	85180	0.0	2/20/2003
FACILITY Long Description:	GC	**0000171721**	CLOSE	GAS CALL GCB/1380SF6 7W	2	8/13/2002	03710	85180	0.0	2/20/2003
FACILITY Long Description:	GC	**0000171630**	CLOSE	GAS CALL GCB/1380SF6 7W	2	8/11/2002	03710	85180	0.0	2/20/2003
FACILITY Long Description:	CM	**0000171543**	CLOSE	LEAKS ON TOP OF POLES #3 AND 6	3	8/9/2002	49961	85180	91.0	2/20/2003
FACILITY Long Description:	GC	**0000171537**	CLOSE	GAS CALL GCB/1380SF6 7W	2	8/9/2002	03710		0.0	8/9/2002
FACILITY Long Description:	GC	**0000171367**	CLOSE	GAS CALL GCB/1380SF6 7W	2	8/7/2002	49961		0.0	8/9/2002
FACILITY Long Description:	GC	**0000171365**	CLOSE	GAS CALL GCB/1380SF6 7W	2	8/7/2002	49961		0.0	8/9/2002
FACILITY Long Description:	CM	**0000170151**	CLOSE	SF-6 GAS LEAK	3	7/31/2002	49961		0.0	2/20/2003
FACILITY Long Description:	GC	**0000170149**	CLOSE	GAS CALL GCB/1380SF6 7W	2	7/31/2002	03710		0.0	8/9/2002
FACILITY Long Description:	GC	**0000169609**	CLOSE	GAS CALL GCB/1380SF6 7W	2	7/29/2002	03710		0.0	8/9/2002
FACILITY Long Description:	GC	**0000169172**	CLOSE	GAS CALL GCB/1380SF6 7W	2	7/22/2002	03710		0.0	8/9/2002
FACILITY Long Description:	GC	**0000167901**	CLOSE	GAS CALL GCB/1380SF6 7W	2	7/5/2002	03710		0.0	8/9/2002
FACILITY Long Description:	GC	**0000167172**	CLOSE	GAS CALL GCB/1380SF6 7W	2	7/1/2002	03710		0.0	8/9/2002
FACILITY Long Description:	GC	**0000165010**	CLOSE	GAS CALL GCB/1380SF6 7W	2	6/11/2002	03710		0.0	8/9/2002

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MAXIMO REPORT: EQUIPMENT HISTORY

Station: VERNON **Equipment: BKR-0002776** **VERNON-CIRCUIT BREAKER-7W **RETIRED****

RESP AREA	WORK TYPE	WORK NUMBER	STATUS	DESCRIPTION	PRTY	REPORT DATE	REPORTED BY	SUPV	HRS	ACTUAL FINISH
FACILITY Long Description:	GC	**0000164619**	CLOSE	GAS CALL GCB/1380SF6 7W	2	6/5/2002	03710	85180	0.0	2/20/2003
FACILITY Long Description:	CMP	**0000164366**	CLOSE	0500-28 BKR SUMM/WINT INSP 7W	2	6/4/2002	03710		1.0	7/8/2002
FACILITY Long Description:	GC	**0000163302**	CLOSE	GAS CALL GCB/1380SF6 7W	2	5/30/2002	03710	85180	0.0	2/20/2003
FACILITY Long Description:	GC	**0000162521**	CLOSE	GAS CALL GCB/1380SF6 7W	2	5/24/2002	03710	85180	0.0	2/20/2003
FACILITY Long Description:	CM	**0000161622**	CLOSE	REPAIR GAS LEAKS	4	5/14/2002	47337		0.0	2/20/2003
FACILITY Long Description:	GC	**0000161611**	CLOSE	GAS CALL GCB/1380SF6 7W	2	5/14/2002	03710		0.0	5/20/2002
FACILITY Long Description:	GC	**0000160800**	CLOSE	GAS CALL GCB/1380SF6 7W	2	5/3/2002	03710		0.0	5/20/2002
FACILITY Long Description:	CMP	**0000160555**	CLOSE	0500-02 DEW POINT TESTING -BKR 7W	2	5/1/2002	03710	28990	1.0	6/18/2002
FACILITY Long Description:	GC	**0000158120**	CLOSE	GAS CALL GCB/1380SF6 7W	2	4/19/2002	03710		0.0	5/20/2002
FACILITY Long Description:	GC	**0000156557**	CLOSE	GAS CALL GCB/1380SF6 7W	2	4/5/2002	03710		0.0	5/20/2002
FACILITY Long Description:	GC	**0000145341**	CLOSE	GAS CALL GCB/1380SF6 7W	2	1/17/2002	03710		0.0	2/26/2002
FACILITY Long Description:	GC	**0000141828**	CLOSE	GAS CALL GCB/1380SF6 7W	1	12/21/2001	03710		0.0	12/23/2001
FACILITY Long Description:	CMP	**0000139463**	CLOSE	0500-28 BKR SUMM/WINT INSP 7W	1	12/3/2001	03710		1.0	12/9/2001
FACILITY Long Description:	CMP	**0000139410**	CLOSE	0500-17 ANNUAL COMPRESSOR BKR-7W	9	12/3/2001	03710		1.0	12/16/2001

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MAXIMO REPORT: EQUIPMENT HISTORY

Station: VERNON **Equipment: BKR-0002776** **VERNON-CIRCUIT BREAKER-7W **RETIRED****

RESP AREA	WORK TYPE	WORK NUMBER	STATUS	DESCRIPTION	PRTY	REPORT DATE	REPORTED BY	SUPV	HRS	ACTUAL FINISH
FACILITY Long Description:	GC	**0000135898**	CLOSE	GAS CALL - BKR 7W	2	11/1/2001	49961		0.0	2/27/2002
FACILITY Long Description:	GC	**0000133849**	CLOSE	GAS CALL - BKR 7W	2	10/19/2001	49961		0.0	2/27/2002
FACILITY Long Description:	GC	**0000132582**	CLOSE	GAS CALL- BKR 7W	1	10/9/2001	03710		0.0	10/16/2001
FACILITY Long Description:	GC	**0000132492**	CLOSE	GAS CALL- BKR 7W	1	10/8/2001	49961		0.0	10/16/2001
FACILITY Long Description:	GC	**0000132490**	CLOSE	GAS CALL- BKR 7W	1	10/8/2001	49961		0.0	10/16/2001
FACILITY Long Description:	GC	**0000132348**	CLOSE	GAS CALL- BKR 7W	1	10/6/2001	49961		0.0	10/16/2001
FACILITY Long Description:	CM	**0000132109**	CLOSE	VERNON- CHANGE GAS COMPRESSOR ON BKR 7W	9	10/4/2001	19332	19332	38.5	12/20/2001
FACILITY Long Description: **#3 VALVE ALSO DEFCTIVE. NEED OUTAGE FOE REPAIR.**	CM	**0000131896**	CLOSE	GAS COMP.NEEDS TO BE REPLACED	9	10/3/2001	49961		0.0	2/3/2002
FACILITY Long Description:	GC	**0000131836**	CLOSE	GAS CALL- BKR 7W	1	10/3/2001	49961		0.0	10/16/2001
FACILITY Long Description:	GC	**0000131814**	CLOSE	GAS CALL- BKR 7W	1	10/3/2001	14265		0.0	10/16/2001
FACILITY Long Description:	GC	**0000131813**	CLOSE	GAS CALL- BKR 7W	1	10/3/2001	14265		0.0	10/16/2001
FACILITY Long Description:	GC	**0000129266**	CLOSE	GAS CALL- BKR 7W	1	9/26/2001	49961		0.0	9/26/2001
FACILITY Long Description:	GC	**0000128309**	CLOSE	GAS CALL- BKR 7W	1	9/12/2001	03710		0.0	9/21/2001
FACILITY Long Description:	GC	**0000125000**	CLOSE	GAS CALL- BKR 7W	1	8/19/2001	03710		0.0	8/29/2001

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MAXIMO REPORT: EQUIPMENT HISTORY

Station: VERNON **Equipment: BKR-0002776** **VERNON-CIRCUIT BREAKER-7W **RETIRED****

RESP AREA	WORK TYPE	WORK NUMBER	STATUS	DESCRIPTION	PRTY	REPORT DATE	REPORTED BY	SUPV	HRS	ACTUAL FINISH
FACILITY Long Description:	CMP	**0000120347**	CLOSE	0500-02 DEW POINT TESTING -BKR 7W	9	7/11/2001	03710	28990	1.0	11/26/2001
FACILITY Long Description:	CMP	**0000115872**	CLOSE	0500-28 BKR SUMM/WINT INSP 7W	1	6/4/2001	03710		1.0	6/14/2001
FACILITY Long Description:	CMP	**0000111894**	CLOSE	0500-02 DEW POINT TESTING -BKR 7W	1	5/1/2001	03710		1.0	6/14/2001
FACILITY Long Description:	GC	**0000108976**	CLOSE	GAS CALL- BKR 7W	1	4/9/2001	03710		0.0	5/7/2001
FACILITY Long Description:	GC	**0000101652**	CLOSE	GAS CALL- BKR 7W	1	3/5/2001	03710		0.0	5/7/2001
FACILITY Long Description:	CMP	**0000096462**	CLOSE	0500-02 DEW POINT TESTING -BKR 7W	1	2/1/2001	03710		1.5	2/26/2001
FACILITY Long Description:	CM	**0000093645**	CLOSE	BKR 7W COMPRESSOR NO OIL	9	1/8/2001	DALTONR		0.0	3/15/2001
FACILITY Long Description:	GC	**0000091152**	CLOSE	GAS CALL GCB/1380SF6 7W	2	12/22/2000	03710		0.0	12/4/2002
FACILITY Long Description:	EM	**0000087838**	CLOSE	INSPECT AND REPAIR FAULT ON C PHASE	9	12/11/2000	45451	45451	234.5	1/18/2001
FACILITY Long Description:	CMP	**0000078379**	CLOSE	0500-02 DEW POINT TESTING -BKR 7W	9	10/31/2000	03710		0.0	12/5/2000
FACILITY Long Description:	CMP	**0000073366**	CLOSE	0500-28 BKR SUMM/WINT INSP 7W	1	9/15/2000	03710		1.0	11/30/2000
FACILITY Long Description:	CMP	**0000073315**	CLOSE	0500-17 ANNUAL COMPRESSOR BKR-7W	9	9/15/2000	03710		1.0	12/5/2000
FACILITY Long Description:	CMP	**0000068528**	CLOSE	0500-02 DEW POINT TESTING -BKR 7W	9	7/31/2000	03710		0.0	12/5/2000
FACILITY Long Description:	CMP	**0000062566**	CLOSE	0500-02 DEW POINT TESTING -BKR 7W	1	6/1/2000	03710		0.0	6/28/2000

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MAXIMO REPORT: EQUIPMENT HISTORY

Station: VERNON **Equipment: BKR-0002776** **VERNON-CIRCUIT BREAKER-7W **RETIRED****

RESP AREA	WORK TYPE	WORK NUMBER	STATUS	DESCRIPTION	PRTY	REPORT DATE	REPORTED BY	SUPV	HRS	ACTUAL FINISH
FACILITY Long Description:	CMP	**0000058513**	CLOSE	0500-02-SF6 DEW POINT TEST	1	4/26/2000	03710		0.0	6/1/2000
FACILITY Long Description:	CMP	**0000058512**	CLOSE	0500-02-SF6 DEW POINT TEST	1	4/26/2000	03710		0.0	6/1/2000
FACILITY Long Description:	CMP	**0000058511**	CLOSE	0500-02-SF6 DEW POINT TEST	1	4/26/2000	03710		0.0	6/1/2000
FACILITY Long Description:	CMP	**0000058510**	CLOSE	0500-28 BKR SUMM/WINT INSP 7W	1	4/26/2000	03710		0.0	5/31/2000
FACILITY Long Description:	GC	**0000039444**	CLOSE	GAS CALL GCB/1380SF6 7W	1	10/29/1999	14091		2.0	12/22/2000
FACILITY Long Description:	CMP	**0000020467**	CLOSE	500-02-SF6 DEW POINT TEST	1	5/26/1999	98219		0.0	5/26/1999
FACILITY Long Description:	CMP	**0000020466**	CLOSE	500-28-CIR BKRS WINTERIZATION IN	1	5/26/1999	98219		0.0	5/26/1999
FACILITY Long Description:	CM	**0000007119**	CLOSE	TIMER 62F-7W-B7W	9	12/27/1998	47337		56.0	1/25/1999
FACILITY Long Description:	CM	**0000007110**	CLOSE	TIMER LIGHT 62F-7W -B7W	9	12/27/1998	47337	47337	0.0	12/31/1998

148 total work order(s) having 1985 hours.

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MAXIMO REPORT: EQUIPMENT HISTORY

Station: VERNON **Equipment: BKR-0002778** **VERNON-CIRCUIT BREAKER-8W**

RESP AREA	WORK TYPE	WORK NUMBER	STATUS	DESCRIPTION	PRTY	REPORT DATE	REPORTED BY	SUPV	HRS	ACTUAL FINISH
AUXSUP Long Description:	CAP	**0008075307**	INPRG	VERNON BKR 8W- HIPOT AFTER INSTALLATION	5	4/17/2008	49436	18917	0.0	
PROTSYS Long Description:	CAP	**0007980729**	INPRG	VERNON S/S - BREAKER 8W REPLACEMENT - DELAYS	9	3/12/2008	13130		0.0	
PROTSYS Long Description:	CAP	**0007980706**	INPRG	VERNON S/S - BREAKER 8W REPLACEMENT - DISCREPANCY	9	3/12/2008	13130		0.0	
PROTSYS Long Description:	CAP	**0007980663**	INPRG	VERNON S/S - BREAKER 8W REPLACEMENT - INSTALLATION	9	3/12/2008	13130		0.0	
PROTSYS Long Description:	CAP	**0007980587**	INPRG	VERNON S/S - BREAKER 8W REPLACEMENT - REMOVAL	5	3/12/2008	13130		54.0	
FACILITY Long Description:	CM	**0007970390**	CLOSE	APPLY AND REMOVE PEELAWAY	5	3/5/2008	14952	14952	24.0	3/17/2008
FACILITY Long Description:	CMP-0	**0007875597**	COMP	0500-28 BKR SUMMERIZATION INSP 8W	4	2/8/2008	89260	28990	0.0	5/11/2008
FACILITY Long Description:	CMP-0	**0007596727**	APPR	0500-17 ANNUAL COMPRESSOR BKR-8W	4	11/30/2007	MAXADMIN		0.0	
FACILITY Long Description:	CAP	**0007568073**	APPR	VERIFICATION TESTING	5	11/19/2007	85180		0.0	
FACILITY Long Description:	CMP-0	**0007329822**	CLOSE	0500-28 BKR WINTERIZATION INSP 8W	4	9/30/2007	MAXADMIN	28990	2.0	11/17/2007
FACILITY Long Description:	GC	**0007277849**	CLOSE	GAS CALL BKR 8W	2	9/11/2007	49961	49961	0.0	9/11/2007
FACILITY Long Description:	CMP	**0007241247**	CLOSE	0500-02 DEW POINT TESTING -BKR 8W	2	8/31/2007	MAXADMIN	28990	0.0	10/17/2007
FACILITY Long Description:	CMSF6	**0007208439**	CLOSE	REPAIR SF6 LEAKS	5	8/16/2007	14952	14952	100.0	9/11/2007

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MAXIMO REPORT: EQUIPMENT HISTORY

Station: VERNON **Equipment: BKR-0002778** **VERNON-CIRCUIT BREAKER-8W**

RESP AREA	WORK TYPE	WORK NUMBER	STATUS	DESCRIPTION	PRTY	REPORT DATE	REPORTED BY	SUPV	HRS	ACTUAL FINISH
FACILITY Long Description:	GC	**0006952848**	CLOSE	GAS CALL BKR 8W	2	5/28/2007	03848	03848	0.0	5/28/2007
FACILITY Long Description:	GC	**0006732495**	CLOSE	GAS CALL BKR 8W	2	3/28/2007	49961	49961	0.0	3/28/2007
FACILITY Long Description:	GC	**0006693570**	CLOSE	GAS CALL BKR 8W	2	3/7/2007	49961	49961	0.0	3/7/2007
FACILITY Long Description:	CMP	**0006645726**	CLOSE	0500-28 BKR SUMMERIZATION INSP 8W	2	2/28/2007	MAXADMIN	28990	0.0	5/12/2007
FACILITY Long Description:	CM	**0006565676**	CLOSE	REPLACE AIR COMPRESSOR BELT	5	2/15/2007	14952	14952	16.0	2/15/2007
FACILITY Long Description:	GC	**0006548675**	CLOSE	GAS CALL BKR 8W	2	2/5/2007	49961	49961	0.0	2/5/2007
FACILITY Long Description:	CM	**0006548483**	CLOSE	REPLACE AIR COMPRESSOR MOTOR AND PULLEY	4	2/5/2007	14952	14952	32.0	2/6/2007
FACILITY Long Description:	CM	**0006495587**	CLOSE	REPLACE AIR COMPRESSOR BKR. 8W	4	1/29/2007	14952	14952	47.0	2/5/2007
FACILITY Long Description:	CM	**0006490361**	CLOSE	VERNON - REPLACE AIR COMPRESSOR FOR BKR 8W	5	1/26/2007	02886		8.0	1/27/2007
FACILITY Long Description:	CM	**0006466146**	CLOSE	REPLACE AIR COMPRESSOR BELT	4	1/17/2007	14952	14952	38.0	1/18/2007
FACILITY Long Description:	GC	**0006385072**	CLOSE	GAS CALL BKR 8W	2	12/22/2006	49961	49961	0.0	12/22/2006
FACILITY Long Description:	CMP	**0006309610**	CLOSE	0500-17 ANNUAL COMPRESSOR BKR-8W	2	11/30/2006	MAXADMIN	28990	0.0	9/5/2007
FACILITY Long Description:	CMP	**0006074440**	CLOSE	0500-28 BKR WINTERIZATION INSP 8W	2	9/30/2006	MAXADMIN	28990	2.0	11/28/2006

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MAXIMO REPORT: EQUIPMENT HISTORY

Station: VERNON **Equipment: BKR-0002778** **VERNON-CIRCUIT BREAKER-8W**

RESP AREA	WORK TYPE	WORK NUMBER	STATUS	DESCRIPTION	PRTY	REPORT DATE	REPORTED BY	SUPV	HRS	ACTUAL FINISH
FACILITY Long Description:	DT	**0006068471**	APPR	BKR- 8W (DT) (1 YR FREQUENCY INVOKED- OH DUE)	4	9/28/2006	47337		0.0	
FACILITY Long Description:	GC	**0005930642**	CLOSE	GAS CALL BKR 8W	2	8/6/2006	14072	14072	0.0	8/6/2006
FACILITY Long Description:	CMP	**0005570326**	CLOSE	0500-02 DEW POINT TESTING -BKR 8W	2	5/1/2006	MAXADMIN	28990	0.0	7/19/2006
FACILITY Long Description:	CMP	**0005343852**	CLOSE	0500-28 BKR SUMMERIZATION INSP 8W	2	2/28/2006	MAXADMIN	28990	2.0	4/26/2006
FACILITY Long Description:	GC	**0005173623**	CLOSE	GAS CALL BKR 8W	2	1/18/2006	49961	49961	0.0	1/18/2006
FACILITY Long Description:	DT	**0005162958**	CLOSE	BKR- 8W (DT) (1 YR FREQUENCY INVOKED- OH DUE)	2	1/9/2006	47337	14952	32.0	4/10/2006
FACILITY Long Description:	CMP	**0004961508**	CLOSE	0500-17 ANNUAL COMPRESSOR BKR-8W	2	11/30/2005	MAXADMIN	28990	2.0	10/8/2006
FACILITY Long Description:	GC	**0000342468**	CLOSE	GAS CALL BKR 8W	2	10/1/2005	49961	49961	0.0	10/1/2005
FACILITY Long Description:	CMP	**0000341279**	CLOSE	0500-28 BKR WINTERIZATION INSP 8W	2	9/25/2005	PMWOGEN	28990	2.0	12/29/2005
FACILITY Long Description:	GC	**0000331768**	CLOSE	GAS CALL BKR 8W	2	8/5/2005	49961	49961	0.0	8/5/2005
FACILITY Long Description:	GC	**0000322252**	CLOSE	GAS CALL BKR 8W	2	6/6/2005	49961	49961	0.0	6/6/2005
FACILITY Long Description:	CMP	**0000313887**	CLOSE	0500-02 DEW POINT TESTING -BKR 8W	4	5/2/2005	19093	28990	2.0	7/24/2005
FACILITY Long Description:	DT	**0000310552**	CLOSE	BKR- 8W (DT) (1 YR FREQUENCY INVOKED- OH DUE)	3	4/12/2005	18727	14952	80.0	4/22/2005

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MAXIMO REPORT: EQUIPMENT HISTORY

Station: VERNON **Equipment: BKR-0002778** **VERNON-CIRCUIT BREAKER-8W**

RESP AREA	WORK TYPE	WORK NUMBER	STATUS	DESCRIPTION	PRTY	REPORT DATE	REPORTED BY	SUPV	HRS	ACTUAL FINISH
FACILITY	CMP	**0000301156**	CLOSE	0500-28 BKR SUMMERIZATION INSP 8W	4	2/25/2005	PMWOGEN	28990	2.0	5/23/2005
Long Description:										
FACILITY	INFO	**0000288429**	CLOSE	LOW SF6 GAS PRESSURE DUE TO TROUBLE WITH GAS COMPRESSOR	5	12/29/2004	72593		0.0	12/29/2004

Long Description: **VERNON**

Equipment Name Voltage Outage
Type OOS Date Projected
Restoration Actual
Restoration Outage Work
Description Contact
VERNON-CIRCUIT BREAKER-8W 138 kv OA 12/28/2004 00:54 12/28/2004 04:15 Low SF6 gas pressure due to trouble with gas compressor
Outage Step Step Start Step End Work Description Work Location Comments
No Steps Defined for Date Range Specified.
Status Date Note
12/28/2004 00:54 Bkr 8W O/A due to low gas pressure, operator reports gas compressor failed to start.
12/28/2004 01:30 Operator reports gas compressor running
12/28/2004 01:54 Operator reports gas pressure at normal pressure, operator request to monitor pressure, bkr left O/S
12/28/2004 04:15 Bkr 8W C/I

VERNON

Equipment Name Voltage Outage
Type OOS Date Projected
Restoration Actual
Restoration Outage Work
Description Contact
VERNON-CIRCUIT BREAKER-8W 138 kv OA 12/28/2004 07:19 12/28/2004 17:16 CHECK AND INSPECT GAS COMPRESSOR
Outage Step Step Start Step End Work Description Work Location Comments
No Steps Defined for Date Range Specified.
Status Date Note
12/28/2004 07:29 Alpha page notification sent.
12/28/2004 08:21 MTCE issued work permit to check and repair gas compressor.
12/28/2004 16:30 MTCE returned work permit completed. Compressor belts replaced and realigned.
12/28/2004 17:16 Bkr. cut in.

FACILITY	CM	**0000288317**	CLOSE	TROUBLESHOOT AND REPAIR LOW SF6 PRESS. HI SIDE	1	12/28/2004	08050	08050	26.0	8/18/2005

Long Description:

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MAXIMO REPORT: EQUIPMENT HISTORY

Station: VERNON **Equipment: BKR-0002778** **VERNON-CIRCUIT BREAKER-8W**

RESP AREA	WORK TYPE	WORK NUMBER	STATUS	DESCRIPTION	PRTY	REPORT DATE	REPORTED BY	SUPV	HRS	ACTUAL FINISH
FACILITY Long Description:	CMP	**0000282357**	CLOSE	0500-17 ANNUAL COMPRESSOR BKR-8W	4	11/25/2004	PMWOGEN	28990	2.0	11/28/2005
FACILITY Long Description:	CMP	**0000274509**	CLOSE	0500-28 BKR WINTERIZATION INSP 8W	4	9/25/2004	PMWOGEN	28990	0.0	12/17/2004
FACILITY Long Description:	CMP	**0000253027**	CLOSE	0500-02 DEW POINT TESTING -BKR 8W	4	4/25/2004	PMWOGEN	28990	2.0	7/24/2004
FACILITY Long Description:	CMP	**0000245834**	CLOSE	0500-28 BKR SUMMERIZATION INSP 8W	4	2/28/2004	PMWOGEN	28990	2.0	5/24/2004
FACILITY Long Description:	CMP	**0000233492**	CLOSE	0500-17 ANNUAL COMPRESSOR BKR-8W	4	11/25/2003	PMWOGEN	28990	2.0	11/7/2004
FACILITY Long Description:	CM	**0000232722**	CLOSE	INVESTIGATE COMPRESSOR PROBLEM	2	11/21/2003	14952	14952	24.0	11/21/2003
FACILITY Long Description:	CM	**0000231982**	CLOSE	REPAIR INSULATION	2	11/7/2003	08050	08050	16.0	11/21/2003
FACILITY Long Description:	CM	**0000231945**	CLOSE	NEEDS NEW BELT FOR AIR COMPRESSOR	2	11/7/2003	49961	14952	48.0	11/21/2003
FACILITY Long Description:	CAP	**0000231752**	CLOSE	REPLACE PT SECT	3	11/4/2003	47337	14952	160.0	11/25/2003
FACILITY Long Description:	CM	**0000229291**	CLOSE	REPAIR SF6 GAS MANIFOLD PULL VACUUM AND GAS UP FOR SERVICE	2	10/25/2003	13934	08050	83.0	12/1/2003
FACILITY Long Description:	CM	**0000228430**	CLOSE	REPAIR SF6 GAS LEAKS.	2	10/21/2003	08050	08050	136.0	11/19/2003
FACILITY Long Description:	GC	**0000227503**	CLOSE	GAS CALL BKR 8W	2	10/10/2003	49961	49961	0.0	10/10/2003
FACILITY Long Description:	GC	**0000227457**	CLOSE	GAS CALL BKR 8W	2	10/9/2003	49961	49961	0.0	10/9/2003
FACILITY Long Description:	GC	**0000227206**	CLOSE	GAS CALL BKR 8W	2	10/7/2003	49961	49961	0.0	10/7/2003

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MAXIMO REPORT: EQUIPMENT HISTORY

Station: VERNON **Equipment: BKR-0002778** **VERNON-CIRCUIT BREAKER-8W**

RESP AREA	WORK TYPE	WORK NUMBER	STATUS	DESCRIPTION	PRTY	REPORT DATE	REPORTED BY	SUPV	HRS	ACTUAL FINISH
FACILITY Long Description:	GC	**0000227161**	CLOSE	GAS CALL BKR 8W	2	10/6/2003	49961	49961	0.0	10/6/2003
FACILITY Long Description:	GC	**0000226640**	CLOSE	GAS CALL BKR 8W	2	10/3/2003	49961	49961	0.0	10/3/2003
FACILITY Long Description:	GC	**0000226525**	CLOSE	GAS CALL BKR 8W	2	10/2/2003	49961	49961	0.0	10/2/2003
FACILITY Long Description:	GC	**0000226375**	CLOSE	GAS CALL BKR 8W	2	10/1/2003	49961	49961	0.0	10/1/2003
FACILITY Long Description:	GC	**0000225362**	CLOSE	GAS CALL BKR 8W	2	9/29/2003	49961	49961	0.0	9/29/2003
FACILITY Long Description:	CMP	**0000224827**	CLOSE	0500-28 BKR SUMM/WINT INSP 8W	4	9/29/2003	03710	28990	0.0	5/12/2004
FACILITY Long Description:	GC	**0000224650**	CLOSE	GAS CALL BKR 8W	2	9/28/2003	49961	49961	0.0	9/28/2003
FACILITY Long Description:	GC	**0000224602**	CLOSE	GAS CALL BKR 8W	2	9/26/2003	49961	49961	0.0	9/26/2003
FACILITY Long Description:	GC	**0000224482**	CLOSE	GAS CALL BKR 8W	2	9/25/2003	49961	49961	0.0	9/25/2003
FACILITY Long Description:	GC	**0000224266**	CLOSE	GAS CALL BKR 8W	2	9/23/2003	49961	49961	0.0	9/23/2003
FACILITY Long Description:	GC	**0000224152**	CLOSE	GAS CALL BKR 8W	2	9/22/2003	49961	49961	0.0	9/22/2003
FACILITY Long Description:	GC	**0000223868**	CLOSE	GAS CALL BKR 8W	2	9/18/2003	49961	49961	0.0	9/18/2003
FACILITY Long Description:	GC	**0000223532**	CLOSE	GAS CALL BKR 8W	2	9/16/2003	49961	49961	0.0	9/16/2003
FACILITY Long Description:	GC	**0000223201**	CLOSE	GAS CALL BKR 8W	2	9/11/2003	49961	49961	0.0	9/11/2003

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MAXIMO REPORT: EQUIPMENT HISTORY

Station: VERNON **Equipment: BKR-0002778** **VERNON-CIRCUIT BREAKER-8W**

RESP AREA	WORK TYPE	WORK NUMBER	STATUS	DESCRIPTION	PRTY	REPORT DATE	REPORTED BY	SUPV	HRS	ACTUAL FINISH
FACILITY Long Description:	GC	**0000222950**	CLOSE	GAS CALL BKR 8W	2	9/8/2003	49961	49961	0.0	9/8/2003
FACILITY Long Description:	GC	**0000222838**	CLOSE	GAS CALL BKR 8W	2	9/6/2003	49961	49961	0.0	9/6/2003
FACILITY Long Description:	GC	**0000222744**	CLOSE	GAS CALL BKR 8W	2	9/4/2003	49961	49961	0.0	9/4/2003
FACILITY Long Description:	GC	**0000221348**	CLOSE	GAS CALL BKR 8W	2	8/29/2003	49961	49961	0.0	8/29/2003
FACILITY Long Description:	GC	**0000221081**	CLOSE	GAS CALL BKR 8W	2	8/27/2003	49961	49961	0.0	8/27/2003
FACILITY Long Description:	GC	**0000220640**	CLOSE	GAS CALL BKR 8W	2	8/25/2003	49961	49961	0.0	8/25/2003
FACILITY Long Description:	GC	**0000220637**	CLOSE	GAS CALL BKR 8W	2	8/25/2003	49961	49961	0.0	8/25/2003
FACILITY Long Description:	GC	**0000220515**	CLOSE	GAS CALL BKR 8W	2	8/22/2003	49961	49961	0.0	8/22/2003
FACILITY Long Description:	GC	**0000220514**	CLOSE	GAS CALL BKR 8W	2	8/22/2003	49961	49961	0.0	8/22/2003
FACILITY Long Description:	GC	**0000220384**	CLOSE	GAS CALL BKR 8W	2	8/19/2003	49961	49961	0.0	8/19/2003
FACILITY Long Description:	GC	**0000220133**	CLOSE	GAS CALL BKR 8W	2	8/14/2003	49961	49961	0.0	8/14/2003
FACILITY Long Description:	GC	**0000220014**	CLOSE	GAS CALL BKR 8W	2	8/12/2003	49961	49961	0.0	8/12/2003
FACILITY Long Description:	GC	**0000219413**	CLOSE	GAS CALL BKR 8W	2	8/7/2003	14368	14368	0.0	8/12/2003
FACILITY Long Description:	GC	**0000219104**	CLOSE	GAS CALL BKR 8W	2	8/6/2003	19201	19201	0.0	8/6/2003

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MAXIMO REPORT: EQUIPMENT HISTORY

Station: VERNON **Equipment: BKR-0002778** **VERNON-CIRCUIT BREAKER-8W**

RESP AREA	WORK TYPE	WORK NUMBER	STATUS	DESCRIPTION	PRTY	REPORT DATE	REPORTED BY	SUPV	HRS	ACTUAL FINISH
FACILITY Long Description:	GC	**0000217619**	CLOSE	GAS CALL BKR 8W	2	7/29/2003	49961	49961	0.0	7/29/2003
FACILITY Long Description:	GC	**0000217476**	CLOSE	GAS CALL BKR 8W	2	7/28/2003	49961	49961	0.0	7/28/2003
FACILITY Long Description:	GC	**0000217237**	CLOSE	GAS CALL BKR 8W	2	7/24/2003	49961	49961	0.0	7/24/2003
FACILITY Long Description:	GC	**0000217043**	CLOSE	GAS CALL BKR 8W	2	7/22/2003	49961	49961	0.0	7/22/2003
FACILITY Long Description:	GC	**0000216892**	CLOSE	GAS CALL BKR 8W	2	7/21/2003	49961	49961	0.0	7/21/2003
FACILITY Long Description:	GC	**0000216605**	CLOSE	GAS CALL BKR 8W	2	7/17/2003	49961	49961	0.0	7/17/2003
FACILITY Long Description:	GC	**0000216465**	CLOSE	GAS CALL BKR 8W	2	7/15/2003	49961	49961	0.0	7/15/2003
FACILITY Long Description:	GC	**0000216190**	CLOSE	GAS CALL BKR 8W	2	7/11/2003	49961	49961	0.0	7/14/2003
FACILITY Long Description:	GC	**0000216180**	CLOSE	GAS CALL BKR 8W	2	7/11/2003	49961	49961	0.0	7/22/2003
FACILITY Long Description:	GC	**0000216178**	CLOSE	GAS CALL BKR 8W	2	7/11/2003	49961	49961	0.0	7/22/2003
FACILITY Long Description:	GC	**0000215152**	CLOSE	GAS CALL BKR 8W	2	7/8/2003	49961	49961	0.0	7/8/2003
FACILITY Long Description:	GC	**0000213120**	CLOSE	GAS CALL BKR 8W	2	6/20/2003	49961	49961	2.0	6/20/2003
FACILITY Long Description:	GC	**0000213040**	CLOSE	GAS CALL BKR 8W	2	6/19/2003	49961	49961	0.0	6/19/2003
FACILITY Long Description:	GC	**0000212865**	CLOSE	GAS CALL BKR 8W	2	6/17/2003	49961	49961	0.0	6/17/2003

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MAXIMO REPORT: EQUIPMENT HISTORY

Station: VERNON **Equipment: BKR-0002778** **VERNON-CIRCUIT BREAKER-8W**

RESP AREA	WORK TYPE	WORK NUMBER	STATUS	DESCRIPTION	PRTY	REPORT DATE	REPORTED BY	SUPV	HRS	ACTUAL FINISH
FACILITY Long Description:	GC	**0000212684**	CLOSE	GAS CALL BKR 8W	2	6/15/2003	49961	49961	0.0	6/15/2003
FACILITY Long Description:	GC	**0000212615**	CLOSE	GAS CALL BKR 8W	2	6/13/2003	49961	49961	0.0	7/22/2003
FACILITY Long Description:	GC	**0000212371**	CLOSE	GAS CALL BKR 8W	2	6/11/2003	49961	49961	0.0	7/14/2003
FACILITY Long Description:	GC	**0000211979**	CLOSE	GAS CALL BKR 8W	2	6/9/2003	49961	49961	0.0	7/11/2003
FACILITY Long Description:	GC	**0000211950**	CLOSE	GAS CALL BKR 8W	2	6/9/2003	49961	49961	0.0	6/9/2003
FACILITY Long Description:	GC	**0000211730**	CLOSE	GAS CALL BKR 8W	2	6/5/2003	49961	49961	0.0	6/5/2003
FACILITY Long Description:	GC	**0000211652**	CLOSE	GAS CALL BKR 8W	2	6/4/2003	49961	49961	0.0	6/4/2003
FACILITY Long Description:	GC	**0000211223**	CLOSE	GAS CALL BKR 8W	2	6/2/2003	49961	49961	0.0	6/2/2003
FACILITY Long Description:	GC	**0000211222**	CLOSE	GAS CALL BKR 8W	2	6/2/2003	49961	49961	0.0	6/2/2003
FACILITY Long Description:	GC	**0000209990**	CLOSE	GAS CALL BKR 8W	2	5/29/2003	49961	49961	0.0	5/29/2003
FACILITY Long Description:	GC	**0000209567**	CLOSE	GAS CALL BKR 8W	2	5/27/2003	49961	49961	0.0	5/27/2003
FACILITY Long Description:	GC	**0000209565**	CLOSE	GAS CALL BKR 8W	2	5/27/2003	49961	49961	0.0	5/27/2003
FACILITY Long Description:	GC	**0000209283**	CLOSE	GAS CALL BKR 8W	2	5/22/2003	49961	49961	0.0	5/22/2003
FACILITY Long Description:	GC	**0000209271**	CLOSE	GAS CALL BKR 8W	2	5/22/2003	49961	49961	0.0	5/22/2003

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MAXIMO REPORT: EQUIPMENT HISTORY

Station: VERNON **Equipment: BKR-0002778** **VERNON-CIRCUIT BREAKER-8W**

RESP AREA	WORK TYPE	WORK NUMBER	STATUS	DESCRIPTION	PRTY	REPORT DATE	REPORTED BY	SUPV	HRS	ACTUAL FINISH
FACILITY Long Description:	GC	**0000209270**	CLOSE	GAS CALL BKR 8W	2	5/22/2003	49961	49961	0.0	5/22/2003
FACILITY Long Description:	GC	**0000209268**	CLOSE	GAS CALL BKR 8W	2	5/22/2003	49961	49961	0.0	5/22/2003
FACILITY Long Description:	GC	**0000208028**	CLOSE	GAS CALL BKR 8W	2	5/6/2003	49961	49961	0.0	5/6/2003
FACILITY Long Description:	GC	**0000207776**	CLOSE	GAS CALL BKR 8W	2	5/2/2003	49961	49961	0.0	5/2/2003
FACILITY Long Description:	CMP	**0000206680**	CLOSE	0500-02 DEW POINT TESTING -BKR 8W	2	5/1/2003	52741	28990	0.0	6/23/2003
FACILITY Long Description:	GC	**0000205676**	CLOSE	GAS CALL BKR 8W	2	4/25/2003	49961	49961	0.0	5/1/2003
FACILITY Long Description:	GC	**0000205362**	CLOSE	GAS CALL BKR 8W	2	4/22/2003	49961	49961	0.0	4/22/2003
FACILITY Long Description:	GC	**0000205202**	CLOSE	GAS CALL BKR 8W	2	4/18/2003	49961	49961	0.0	4/18/2003
FACILITY Long Description:	CM	**0000204806**	CLOSE	TO REPLACE BREAKER 8W B PHASE C.T'S ON THE LEFT SIDE	4	4/14/2003	14868	14868	93.0	12/5/2003
FACILITY Long Description:	CM	**0000204765**	CLOSE	CLEAN UP AREA AROUND BREAKER 8W	4	4/12/2003	14868	14868	20.0	12/5/2003
FACILITY Long Description:	CM	**0000204686**	CLOSE	TO REPLACE BREAKER 8W A AND C PHASE C.T'S ON THE LEFT SIDE	4	4/10/2003	14868	14868	10.0	12/5/2003
FACILITY Long Description:	CM	**0000204548**	CLOSE	RETRIEVE C.T FOR BREAKER 8W B PHASE REPLACEMENT	4	4/8/2003	14868	14868	32.0	8/29/2005
FACILITY Long Description:	CM	**0000204321**	CLOSE	CLEAN UP AREA AROUND BREAKER 8W	4	4/5/2003	14868	14868	24.0	1/2/2004

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MAXIMO REPORT: EQUIPMENT HISTORY

Station: VERNON **Equipment: BKR-0002778** **VERNON-CIRCUIT BREAKER-8W**

RESP AREA	WORK TYPE	WORK NUMBER	STATUS	DESCRIPTION	PRTY	REPORT DATE	REPORTED BY	SUPV	HRS	ACTUAL FINISH
FACILITY Long Description:	CM	**0000204255**	CLOSE	GATHER MATERIAL FOR BREAKER 8W C.T JOB	4	4/4/2003	14868	14868	33.0	5/20/2005
FACILITY Long Description:	CM	**0000204243**	CLOSE	TO REPLACE BREAKER 8W A AND C PHASE C.T'S ON THE LEFT SIDE	4	4/4/2003	14868	14868	102.5	12/5/2003
FACILITY Long Description:	GC	**0000200649**	CLOSE	GAS CALL BKR 8W	2	3/13/2003	49961	49961	0.0	3/13/2003
FACILITY Long Description:	CM	**0000200253**	CLOSE	ADD OIL	2	3/8/2003	52741		8.0	1/12/2005
FACILITY Long Description:	GC	**0000194867**	CLOSE	GAS CALL BKR 8W	2	1/31/2003	49961	49961	0.0	1/31/2003
FACILITY Long Description:	CMP	**0000187621**	CLOSE	0500-28 BKR SUMM/WINT INSP 8W	2	12/2/2002	03710		5.0	6/23/2003
FACILITY Long Description:	CMP	**0000187490**	CLOSE	0500-17 ANNUAL COMPRESSOR BKR-8W	2	12/2/2002	03710	14952	0.0	12/17/2003
FACILITY Long Description: **Jumper removed by csdm 12/03/021300@hrs.**	JUMP	**0000187073**	CLOSE	TEMP. JUMPER #04028 TO JUMP OUT AIR ALARM	2	11/29/2002	49961		0.0	1/31/2003
FACILITY Long Description:	CM	**0000187032**	CLOSE	CONTROL VALVE HAS AIR LEAK CONTROL VALVE ISOLATED FROM TANK.	5	11/27/2002	14072		40.0	12/15/2003
FACILITY Long Description:	CM	**0000187017**	CLOSE	INVESTIGATE AIR COMPRESSOR/AIR SYSTEM IS NOT CHARGING	0	11/27/2002	13934		16.0	12/5/2003
FACILITY Long Description:	GC	**0000170206**	CLOSE	GAS CALL GCB/1380SF6 8W	2	8/1/2002	03710		0.0	8/9/2002
FACILITY Long Description:	GC	**0000167905**	CLOSE	GAS CALL GCB/1380SF6 8W	2	7/5/2002	03710		0.0	8/9/2002
FACILITY Long Description:	GC	**0000167906**	CLOSE	GAS CALL GCB/1380SF6 8W	2	7/5/2002	03710		0.0	8/9/2002

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MAXIMO REPORT: EQUIPMENT HISTORY

Station: VERNON **Equipment: BKR-0002778** **VERNON-CIRCUIT BREAKER-8W**

RESP AREA	WORK TYPE	WORK NUMBER	STATUS	DESCRIPTION	PRTY	REPORT DATE	REPORTED BY	SUPV	HRS	ACTUAL FINISH
FACILITY Long Description:	CMP	**0000164368**	CLOSE	0500-28 BKR SUMM/WINT INSP 8W	2	6/4/2002	03710		1.0	7/9/2002
FACILITY Long Description:	CMP	**0000160557**	CLOSE	0500-02 DEW POINT TESTING -BKR 8W	2	5/1/2002	03710	28990	1.0	6/18/2002
FACILITY Long Description:	GC	**0000158119**	CLOSE	GAS CALL GCB/1380SF6 8W	2	4/19/2002	03710		0.0	5/20/2002
FACILITY Long Description:	GC	**0000149910**	CLOSE	GAS CALL GCB/1380SF6 8W	2	2/22/2002	03710		0.0	2/26/2002
FACILITY Long Description:	CM	**0000149900**	CLOSE	REPAIR SF-6 LEAKS	2	2/22/2002	85180	85180	128.0	5/21/2002
FACILITY Long Description:	GC	**0000149166**	CLOSE	GAS CALL GCB/1380SF6 8W	2	2/14/2002	03710		0.0	2/26/2002
FACILITY Long Description:	GC	**0000148540**	CLOSE	GAS CALL GCB/1380SF6 8W	2	2/8/2002	03710		0.0	2/26/2002
FACILITY Long Description:	GC	**0000148019**	CLOSE	GAS CALL GCB/1380SF6 8W	2	2/4/2002	03710		0.0	2/26/2002
FACILITY Long Description:	GC	**0000147106**	CLOSE	GAS CALL GCB/1380SF6 8W	2	1/31/2002	03710		0.0	2/26/2002
FACILITY Long Description:	GC	**0000145960**	CLOSE	GAS CALL GCB/1380SF6 8W	2	1/24/2002	03710		0.0	2/26/2002
FACILITY Long Description:	GC	**0000145539**	CLOSE	GAS CALL GCB/1380SF6 8W	2	1/21/2002	03710		0.0	2/26/2002
FACILITY Long Description:	GC	**0000145419**	CLOSE	GAS CALL GCB/1380SF6 8W	2	1/18/2002	03710		0.0	2/26/2002
FACILITY Long Description:	GC	**0000145211**	CLOSE	GAS CALL GCB/1380SF6 8W	2	1/16/2002	49961		0.0	2/26/2002
FACILITY Long Description:	GC	**0000144145**	CLOSE	GAS CALL GCB/1380SF6 8W	1	1/4/2002	03710		0.0	1/7/2002

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MAXIMO REPORT: EQUIPMENT HISTORY

Station: VERNON **Equipment: BKR-0002778** **VERNON-CIRCUIT BREAKER-8W**

RESP AREA	WORK TYPE	WORK NUMBER	STATUS	DESCRIPTION	PRTY	REPORT DATE	REPORTED BY	SUPV	HRS	ACTUAL FINISH
FACILITY Long Description:	GC	**0000142242**	CLOSE	GAS CALL GCB/1380SF6 8W	1	12/31/2001	03710		0.0	1/7/2002
FACILITY Long Description:	GC	**0000141791**	CLOSE	GAS CALL GCB/1380SF6 8W	1	12/21/2001	03710		0.0	12/23/2001
FACILITY Long Description:	GC	**0000140750**	CLOSE	GAS CALL GCB/1380SF6 8W	1	12/14/2001	03710		0.0	12/17/2001
FACILITY Long Description:	GC	**0000140247**	CLOSE	GAS CALL GCB/1380SF6 8W	1	12/7/2001	03710		0.0	12/17/2001
FACILITY Long Description:	GC	**0000140124**	CLOSE	GAS CALL GCB/1380SF6 8W	1	12/6/2001	03710		0.0	12/17/2001
FACILITY Long Description:	CMP	**0000139616**	CLOSE	0500-28 BKR SUMM/WINT INSP 8W	1	12/3/2001	03710		1.0	12/9/2001
FACILITY Long Description:	CMP	**0000139408**	CLOSE	0500-17 ANNUAL COMPRESSOR BKR-8W	9	12/3/2001	03710		1.0	12/16/2001
FACILITY Long Description:	GC	**0000139105**	CLOSE	GAS CALL GCB/1380SF6 8W	1	12/2/2001	03710		0.0	12/17/2001
FACILITY Long Description:	GC	**0000139026**	CLOSE	GAS CALL GCB/1380SF6 8W	1	12/1/2001	03710		0.0	12/17/2001
FACILITY Long Description:	GC	**0000138766**	CLOSE	GAS CALL GCB/1380SF6 8W	1	11/29/2001	03710		0.0	12/17/2001
FACILITY Long Description:	GC	**0000138209**	CLOSE	GAS CALL GCB/1380SF6 8W	1	11/27/2001	03710		0.0	11/27/2001
FACILITY Long Description:	GC	**0000138173**	CLOSE	GAS CALL GCB/1380SF6 8W	1	11/26/2001	03710		0.0	11/27/2001
FACILITY Long Description:	GC	**0000137794**	CLOSE	GAS CALL GCB/1380SF6 8W	1	11/19/2001	03710		0.0	11/27/2001
FACILITY Long Description:	GC	**0000137500**	CLOSE	GAS CALL GCB/1380SF6 8W	1	11/15/2001	03710		0.0	11/27/2001

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MAXIMO REPORT: EQUIPMENT HISTORY

Station: VERNON **Equipment: BKR-0002778** **VERNON-CIRCUIT BREAKER-8W**

RESP AREA	WORK TYPE	WORK NUMBER	STATUS	DESCRIPTION	PRTY	REPORT DATE	REPORTED BY	SUPV	HRS	ACTUAL FINISH
FACILITY Long Description:	GC	**0000136912**	CLOSE	GAS CALL GCB/1380SF6 8W	2	11/8/2001	03710		0.0	2/27/2002
FACILITY Long Description:	GC	**0000135897**	CLOSE	GAS CALL - BKR 8W	2	11/1/2001	49961		0.0	2/27/2002
FACILITY Long Description:	GC	**0000135218**	CLOSE	GAS CALL - BKR 8W	2	10/29/2001	49961		0.0	2/27/2002
FACILITY Long Description:	GC	**0000134118**	CLOSE	GAS CALL - BKR 8W	2	10/22/2001	49961		0.0	2/27/2002
FACILITY Long Description:	GC	**0000133358**	CLOSE	GAS CALL- BKR 8W	1	10/15/2001	49961		0.0	10/16/2001
FACILITY Long Description:	GC	**0000132491**	CLOSE	GAS CALL- BKR 8W	1	10/8/2001	49961		0.0	10/16/2001
FACILITY Long Description:	GC	**0000132249**	CLOSE	GAS CALL- BKR 8W	1	10/5/2001	49961		0.0	10/16/2001
FACILITY Long Description:	GC	**0000131837**	CLOSE	GAS CALL- BKR 8W	1	10/3/2001	49961		0.0	10/16/2001
FACILITY Long Description:	GC	**0000131815**	CLOSE	GAS CALL- BKR 8W	1	10/3/2001	14265		0.0	10/16/2001
FACILITY Long Description:	GC	**0000130437**	CLOSE	GAS CALL- BKR 8W	1	9/30/2001	03710		0.0	10/1/2001
FACILITY Long Description:	GC	**0000129268**	CLOSE	GAS CALL- BKR 8W	1	9/26/2001	49961		0.0	10/16/2001
FACILITY Long Description:	GC	**0000128662**	CLOSE	GAS CALL- BKR 8W	1	9/17/2001	03710		0.0	9/21/2001
FACILITY Long Description:	GC	**0000128311**	CLOSE	GAS CALL- BKR 8W	1	9/12/2001	03710		0.0	9/21/2001
FACILITY Long Description:	GC	**0000128310**	CLOSE	GAS CALL- BKR 8W	1	9/12/2001	03710		0.0	9/21/2001

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MAXIMO REPORT: EQUIPMENT HISTORY

Station: VERNON **Equipment: BKR-0002778** **VERNON-CIRCUIT BREAKER-8W**

RESP AREA	WORK TYPE	WORK NUMBER	STATUS	DESCRIPTION	PRTY	REPORT DATE	REPORTED BY	SUPV	HRS	ACTUAL FINISH
FACILITY Long Description:	GC	**0000128200**	CLOSE	GAS CALL- BKR 8W	1	9/10/2001	49961		0.0	9/10/2001
FACILITY Long Description: **adding gas on 8w**	GC	**0000127999**	CLOSE	GAS CALL- BKR 8W ADDED 10 PSI	9	9/7/2001	21159		0.0	9/7/2001
FACILITY Long Description:	GC	**0000127096**	CLOSE	GAS CALL- BKR 8W	1	9/1/2001	49961		0.0	9/1/2001
FACILITY Long Description:	GC	**0000126559**	CLOSE	GAS CALL- BKR 8W	1	8/30/2001	49961		0.0	8/30/2001
FACILITY Long Description:	GC	**0000126153**	CLOSE	GAS CALL- BKR 8W	1	8/28/2001	03710		0.0	8/29/2001
FACILITY Long Description:	GC	**0000125406**	CLOSE	GAS CALL- BKR 8W	1	8/21/2001	03710		0.0	8/29/2001
FACILITY Long Description:	GC	**0000124603**	CLOSE	GAS CALL- BKR 8W	1	8/13/2001	03710		0.0	8/29/2001
FACILITY Long Description:	GC	**0000124454**	CLOSE	GAS CALL- BKR 8W	1	8/10/2001	03710		0.0	8/29/2001
FACILITY Long Description:	GC	**0000124139**	CLOSE	GAS CALL- BKR 8W	1	8/9/2001	03710		0.0	8/29/2001
FACILITY Long Description:	GC	**0000124021**	CLOSE	GAS CALL- BKR 8W	1	8/7/2001	03710		0.0	8/29/2001
FACILITY Long Description:	GC	**0000120494**	CLOSE	GAS CALL- BKR 8W	1	7/12/2001	03710		0.0	8/29/2001
FACILITY Long Description:	CMP	**0000120345**	CLOSE	0500-02 DEW POINT TESTING -BKR 8W	9	7/11/2001	03710	28990	1.0	11/26/2001
FACILITY Long Description:	GC	**0000120192**	CLOSE	GAS CALL- BKR 8W	1	7/9/2001	03710		0.0	8/29/2001
FACILITY Long Description:	GC	**0000118293**	CLOSE	GAS CALL- BKR 8W	1	6/28/2001	03710		0.0	8/29/2001

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MAXIMO REPORT: EQUIPMENT HISTORY

Station: VERNON **Equipment: BKR-0002778** **VERNON-CIRCUIT BREAKER-8W**

RESP AREA	WORK TYPE	WORK NUMBER	STATUS	DESCRIPTION	PRTY	REPORT DATE	REPORTED BY	SUPV	HRS	ACTUAL FINISH
FACILITY Long Description:	GC	**0000117324**	CLOSE	GAS CALL- BKR 8W	1	6/20/2001	03710		0.0	8/29/2001
FACILITY Long Description:	GC	**0000116676**	CLOSE	GAS CALL- BKR 8W	1	6/12/2001	03710		0.0	8/29/2001
FACILITY Long Description:	GC	**0000116339**	CLOSE	GAS CALL- BKR 8W	1	6/7/2001	03710		0.0	8/29/2001
FACILITY Long Description:	CMP	**0000115874**	CLOSE	0500-28 BKR SUMM/WINT INSP 8W	1	6/4/2001	03710		1.0	6/14/2001
FACILITY Long Description:	GC	**0000114331**	CLOSE	GAS CALL- BKR 8W	1	5/25/2001	03710		0.0	8/29/2001
FACILITY Long Description:	GC	**0000113813**	CLOSE	GAS CALL- BKR 8W	1	5/18/2001	03710		0.0	8/29/2001
FACILITY Long Description:	GC	**0000113277**	CLOSE	GAS CALL- BKR 8W	1	5/11/2001	03710		0.0	8/29/2001
FACILITY Long Description:	CMP	**0000111898**	CLOSE	0500-02 DEW POINT TESTING -BKR 8W	1	5/1/2001	03710		1.0	6/14/2001
FACILITY Long Description:	GC	**0000111568**	CLOSE	GAS CALL- BKR 8W	1	4/30/2001	03710		0.0	5/7/2001
FACILITY Long Description:	CM	**0000109177**	CLOSE	62F-8W-B8W LIGHT OUT	9	4/11/2001	49961		0.0	5/11/2001
FACILITY Long Description:	CM	**0000108637**	CLOSE	TIMER 62-8WB1W MONITORING LIGHT OUT.FDR.31232	4	4/5/2001	49961	85180	0.0	1/12/2005
FACILITY Long Description:	CM	**0000108620**	CLOSE	GAS VALVE, BKR 8W - WON'T ALLOW GAS TO ENTER BREAKER	9	4/5/2001	79255		8.0	5/11/2001
FACILITY Long Description:	CM	**0000104836**	CLOSE	BREAKER 8W BLAST VAVE REPLACEMENT (C PHASE)	9	3/19/2001	18727		150.5	4/1/2001

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MAXIMO REPORT: EQUIPMENT HISTORY

Station: VERNON **Equipment: BKR-0002778** **VERNON-CIRCUIT BREAKER-8W**

RESP AREA	WORK TYPE	WORK NUMBER	STATUS	DESCRIPTION	PRTY	REPORT DATE	REPORTED BY	SUPV	HRS	ACTUAL FINISH
FACILITY Long Description:	GC	**0000101413**	CLOSE	GAS CALL- BKR 8W	1	3/2/2001	03710		0.0	5/7/2001
FACILITY Long Description:	CMP	**0000096460**	CLOSE	0500-02 DEW POINT TESTING -BKR 8W	1	2/1/2001	03710		1.0	2/26/2001
FACILITY Long Description:	GC	**0000094768**	CLOSE	GAS CALL- BKR 8W	1	1/11/2001	49961		0.0	5/7/2001
FACILITY Long Description:	GC	**0000092892**	CLOSE	GAS CALL- BKR 8W	1	1/3/2001	49961		0.0	5/7/2001
FACILITY Long Description:	GC	**0000091154**	CLOSE	GAS CALL GCB/1380SF6 8W	2	12/22/2000	03710		1.0	2/20/2003
FACILITY Long Description:	GC	**0000090799**	CLOSE	GAS CALL GCB/1380SF6 8W	1	12/22/2000	14072		0.0	12/22/2000
FACILITY Long Description:	GC	**0000088444**	CLOSE	GAS CALL GCB/1380SF6 8W	1	12/19/2000	49961		0.0	12/22/2000
FACILITY Long Description:	GC	**0000087546**	CLOSE	GAS CALL GCB/1380SF6 8W	1	12/8/2000	49961		0.0	12/22/2000
FACILITY Long Description:	GC	**0000086461**	CLOSE	GAS CALL GCB/1380SF6 8W	1	12/1/2000	49961		0.0	12/22/2000
FACILITY Long Description:	CMP	**0000078376**	CLOSE	0500-02 DEW POINT TESTING -BKR 8W	9	10/31/2000	03710		0.0	12/5/2000
FACILITY Long Description:	CMP	**0000073364**	CLOSE	0500-28 BKR SUMM/WINT INSP 8W	1	9/15/2000	03710		1.0	11/30/2000
FACILITY Long Description:	CMP	**0000073313**	CLOSE	0500-17 ANNUAL COMPRESSOR BKR-8W	9	9/15/2000	03710		1.0	12/5/2000
FACILITY Long Description:	GC	**0000072813**	CLOSE	GAS CALL GCB/1380SF6 8W	1	9/13/2000	14072		0.0	12/22/2000
FACILITY Long Description:	CMP	**0000068526**	CLOSE	0500-02 DEW POINT TESTING -BKR 8W	9	7/31/2000	03710		0.0	12/5/2000

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MAXIMO REPORT: EQUIPMENT HISTORY

Station: VERNON **Equipment: BKR-0002778** **VERNON-CIRCUIT BREAKER-8W**

RESP AREA	WORK TYPE	WORK NUMBER	STATUS	DESCRIPTION	PRTY	REPORT DATE	REPORTED BY	SUPV	HRS	ACTUAL FINISH
FACILITY Long Description:	CMP	**0000062564**	CLOSE	0500-02 DEW POINT TESTING -BKR 8W	1	6/1/2000	03710		0.0	6/28/2000
FACILITY Long Description:	CMP	**0000058504**	CLOSE	0500-02-SF6 DEW POINT TEST	1	4/26/2000	03710		0.0	6/1/2000
FACILITY Long Description:	CMP	**0000058505**	CLOSE	0500-02-SF6 DEW POINT TEST	1	4/26/2000	03710		0.0	6/1/2000
FACILITY Long Description:	CMP	**0000058503**	CLOSE	0500-02-SF6 DEW POINT TEST	1	4/26/2000	03710		0.0	6/1/2000
FACILITY Long Description:	CMP	**0000058502**	CLOSE	0500-28 BKR SUMM/WINT INSP 8W	1	4/26/2000	03710		0.0	5/31/2000
FACILITY Long Description:	GC	**0000039442**	CLOSE	GAS CALL GCB/1380SF6 8W	1	10/29/1999	14091		0.0	12/22/2000
FACILITY Long Description:	CM	**0000035781**	CLOSE	VERNON BKR 8W - REPLACE GAS MANIFOLD	9	10/4/1999	74907		52.0	10/22/1999
FACILITY Long Description:	CMP	**0000020463**	CLOSE	500-02-SF6 DEW POINT TEST	1	5/26/1999	98219		0.0	5/26/1999
FACILITY Long Description:	CMP	**0000020462**	CLOSE	500-28-CIR BKRS WINTERIZATION IN	1	5/26/1999	98219		0.0	5/26/1999
FACILITY Long Description:	DT	**0000012583**	CLOSE	VERNON -BKR- 8W DIAG TEST	1	2/25/1999	45769		80.0	4/23/1999
FACILITY Long Description:	DT	**0000006812**	CLOSE	VERNON BREAKER 8W DIAGNOSTIC INSP	9	12/21/1998	74907		0.0	3/1/1999
FACILITY Long Description:	CM	**0000003409**	CLOSE	125V IOAD bD. DC GND TO mc 86 b8w	9	9/10/1998	89632		0.0	2/18/1999

233 total work order(s) having 1761 hours.

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MAXIMO REPORT: EQUIPMENT HISTORY

Station: QUEENSBRIDGE **Equipment: BKR-0002791** **QB-CIRCUIT BREAKER- 1E **RETIRED****

RESP AREA	WORK TYPE	WORK NUMBER	STATUS	DESCRIPTION	PRTY	REPORT DATE	REPORTED BY	SUPV	HRS	ACTUAL FINISH
FACILITY Long Description:	CAP	**0008066386**	INPRG	QB - BKR 1E REPLACEMENT - OPERATOR SUPPORT	3	4/11/2008	52741		111.5	
AUXSUP Long Description:	CAP	**0008056678**	CLOSE	QB- BKR 1E- HIPOT	5	4/4/2008	49436	18917	32.0	4/22/2008
FACILITY Long Description:	CAP	**0007996592**	INPRG	INSTALL 138KV BREAKER 1E - QUEENSBRIDGE S/S - SUPPORT	5	3/24/2008	52741		169.0	
CONST Long Description:	CAP	**0007990356**	CLOSE	REMOVAL OF 138KV BREAKER 1E - QUEENSBRIDGE S/S	5	3/19/2008	13990		0.0	4/7/2008
CONST Long Description:	CAP	**0007990204**	CLOSE	INSTALL 138KV BREAKER 1E - QUEENSBRIDGE S/S	5	3/19/2008	13990		0.0	5/22/2008
PROTSYS Long Description:	CAP	**0007990085**	CLOSE	QB - BKR 1E DISCREPANCIES - PST	5	3/19/2008	49736		46.0	5/6/2008
PROTSYS Long Description:	CAP	**0007990016**	CLOSE	QB - BKR 1E RETIREMENT PST	5	3/19/2008	49736		100.5	3/30/2008
PROTSYS Long Description:	CAP	**0007982263**	CLOSE	QB - BKR 1E REPLACEMENT - PST	5	3/14/2008	49736		485.5	4/24/2008
FACILITY Long Description:	CM	**0007930502**	CLOSE	APPLY AND REMOVE PEEL AWAY BKR. 1E	5	2/29/2008	14952	14952	22.0	3/2/2008
FACILITY Long Description:	CMP-0	**0007875145**	CLOSE	0500-28 BKR SUMMERIZATION INSP 1E	4	2/8/2008	89260	28990	0.0	4/10/2008
FACILITY Long Description:	CAP	**0007848627**	CLOSE	REPLACE BREAKER 1E	5	2/4/2008	85180	14952	128.0	4/19/2008
FACILITY Long Description:	CM	**0007647791**	CLOSE	REPLACE AIR COMPRESSOR BKR. 1E	5	12/10/2007	14952	14952	11.0	12/19/2007
FACILITY Long Description:	GC	**0007490442**	CLOSE	GAS CALL BKR 1E	4	10/30/2007	03848	03848	0.0	10/30/2007

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MAXIMO REPORT: EQUIPMENT HISTORY

Station: QUEENSBRIDGE **Equipment: BKR-0002791** **QB-CIRCUIT BREAKER- 1E **RETIRED****

RESP AREA	WORK TYPE	WORK NUMBER	STATUS	DESCRIPTION	PRTY	REPORT DATE	REPORTED BY	SUPV	HRS	ACTUAL FINISH
FACILITY Long Description:	CMP-0	**0007363678**	CLOSE	0500-28 BKR WINTERIZATION INSP 1E	4	10/1/2007	MAXADMIN	28990	2.0	11/7/2007
FACILITY Long Description:	CM	**0007287064**	CLOSE	TROUBLESHOOT AIR PROBLEM ON BKR. 1E	5	9/18/2007	14952	14952	8.0	10/3/2007
FACILITY Long Description:	CMP	**0007241614**	CLOSE	0500-02 DEW POINT TESTING -BKR 1E	2	8/31/2007	MAXADMIN	28990	1.0	10/18/2007
FACILITY Long Description:	CM	**0006903811**	CLOSE	PULL CABLE FROM FDR. 28243 RELAY PANEL TO BKR. 1E	4	5/1/2007	14952	14952	16.0	5/9/2007
FACILITY Long Description:	SR	**0006841364**	CLOSE	SUPPORT CSD: BKR 1E - B PH GROUNDED CT WIRE RUN NEW CABLE	5	4/30/2007	49736		7.0	4/30/2007
FACILITY Long Description:	CM	**0006688914**	CLOSE	REPLACE AIR COMPRESSOR	4	3/5/2007	14952	14952	40.0	3/5/2007
FACILITY Long Description:	CMP	**0006648414**	CLOSE	0500-28 BKR SUMMERIZATION INSP 1E	2	2/28/2007	MAXADMIN	28990	2.0	5/10/2007
FACILITY Long Description:	GC	**0006354889**	CLOSE	GAS CALL BKR 1E	2	12/6/2006	14072	14072	0.0	12/6/2006
FACILITY Long Description:	CMP	**0006195147**	CLOSE	0500-17 ANNUAL COMPRESSOR BKR 1E	2	10/31/2006	MAXADMIN	28990	2.0	8/7/2007
FACILITY Long Description:	CMP	**0006179805**	CLOSE	0500-28 BKR WINTERIZATION INSP 1E	2	10/31/2006	MAXADMIN	28990	2.0	12/31/2006
FACILITY Long Description:	GC	**0006099367**	CLOSE	GAS CALL BKR 1E	2	9/30/2006	14072	14072	0.0	9/30/2006
FACILITY Long Description:	CMP	**0005346585**	CLOSE	0500-28 BKR SUMMERIZATION INSP 1E	2	2/28/2006	MAXADMIN	28990	0.0	4/24/2006
FACILITY Long Description:	GC	**0005171100**	CLOSE	GAS CALL BKR 1E	2	1/17/2006	14072	14072	0.0	2/10/2006

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MAXIMO REPORT: EQUIPMENT HISTORY

Station: QUEENSBRIDGE **Equipment: BKR-0002791** **QB-CIRCUIT BREAKER- 1E **RETIRED****

RESP AREA	WORK TYPE	WORK NUMBER	STATUS	DESCRIPTION	PRTY	REPORT DATE	REPORTED BY	SUPV	HRS	ACTUAL FINISH
FACILITY Long Description:	CMP	**0000345183**	CLOSE	0500-28 BKR WINTERIZATION INSP 1E	2	10/25/2005	PMWOGEN	28990	0.0	1/4/2006
FACILITY Long Description:	CMP	**0000344958**	CLOSE	0500-17 ANNUAL COMPRESSOR BKR 1E	2	10/25/2005	PMWOGEN	28990	2.0	8/26/2006
FACILITY Long Description:	CMP	**0000301161**	CLOSE	0500-28 BKR SUMMERIZATION INSP 1E	4	2/25/2005	PMWOGEN	28990	2.0	5/3/2005
FACILITY Long Description:	CMP	**0000278935**	CLOSE	0500-28 BKR WINTERIZATION INSP 1E	4	10/25/2004	PMWOGEN	28990	2.0	1/16/2005
FACILITY Long Description:	CMP	**0000278132**	CLOSE	0500-17 ANNUAL COMPRESSOR BKR 1E	4	10/25/2004	PMWOGEN	28990	2.0	9/27/2005
FACILITY Long Description:	CMP	**0000245839**	CLOSE	0500-28 BKR SUMMERIZATION INSP 1E	4	2/28/2004	PMWOGEN	28990	2.0	5/9/2004
FACILITY Long Description:	CMP	**0000230877**	CLOSE	0500-17 ANNUAL COMPRESSOR BKR-1E	4	10/30/2003	PMWOGEN	28990	2.0	10/19/2004
FACILITY Long Description:	CMP	**0000230861**	CLOSE	0500-17 ANNUAL COMPRESSOR BKR 1E	4	10/30/2003	PMWOGEN	28990	2.0	10/12/2004
FACILITY Long Description:	CMP	**0000224831**	CLOSE	0500-28 BKR SUMM/WINT INSP 1E	4	9/29/2003	03710	28990	2.0	4/5/2004
FACILITY Long Description:	CMP	**0000206683**	CLOSE	0500-28 BKR SUMM/WINT INSP 1E	2	5/1/2003	52741		1.0	5/18/2003
FACILITY Long Description:	CMP	**0000184990**	CLOSE	0500-28 BKR SUMM/WINT INSP 1E	2	11/4/2002	03710		1.5	12/10/2002
FACILITY Long Description:	CMP	**0000184926**	CLOSE	0500-17 ANNUAL COMPRESSOR BKR-1E	2	11/4/2002	03710		1.0	12/17/2002
FACILITY Long Description:	CMP	**0000184905**	CLOSE	0500-17 ANNUAL COMPRESSOR BKR 1E	2	11/4/2002	03710		0.0	12/17/2002
FACILITY Long Description:	GC	**0000169162**	CLOSE	QB-GAS CALL GCB/CASP45 1E	2	7/22/2002	03710		0.0	8/9/2002

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MAXIMO REPORT: EQUIPMENT HISTORY

Station: QUEENSBRIDGE **Equipment: BKR-0002791** **QB-CIRCUIT BREAKER- 1E **RETIRED****

RESP AREA	WORK TYPE	WORK NUMBER	STATUS	DESCRIPTION	PRTY	REPORT DATE	REPORTED BY	SUPV	HRS	ACTUAL FINISH
FACILITY Long Description:	CMP	**0000160560**	CLOSE	0500-28 BKR SUMM/WINT INSP 1E	2	5/1/2002	03710		1.0	5/13/2002
FACILITY Long Description:	CMP	**0000135855**	CLOSE	0500-28 BKR SUMM/WINT INSP 1E	1	11/1/2001	03710		1.0	11/22/2001
FACILITY Long Description:	CMP	**0000135590**	CLOSE	0500-17 ANNUAL COMPRESSOR BKR 1E	9	11/1/2001	03710		0.5	11/25/2001
FACILITY Long Description:	CMP	**0000135571**	CLOSE	0500-17 ANNUAL COMPRESSOR BKR-1E	9	11/1/2001	03710		0.0	11/29/2001
FACILITY Long Description:	GC	**0000121618**	CLOSE	GAS CALL- BKR 1E	1	7/22/2001	03710		0.0	8/29/2001
FACILITY Long Description:	CMP	**0000111906**	CLOSE	0500-28 BKR SUMM/WINT INSP 1E	1	5/1/2001	03710		1.0	5/24/2001
FACILITY Long Description:	DT	**0000095380**	CLOSE	QB 138-BKR- 1E (DIAG TEST)	1	1/19/2001	79255		71.5	5/7/2001
FACILITY Long Description:	GC	**0000092833**	CLOSE	GAS CALL- BKR 1E	1	1/3/2001	14072		0.0	5/7/2001
FACILITY Long Description:	GC	**0000091093**	CLOSE	QB-GAS CALL GCB/CASP45 1E	2	12/22/2000	03710		0.0	3/31/2003
FACILITY Long Description:	CM	**0000086923**	CLOSE	REPAIR INDICATING MECHANISM	9	12/4/2000	18727		18.0	5/11/2001
FACILITY Long Description:	CMP	**0000073361**	CLOSE	0500-28 BKR SUMM/WINT INSP 1E	1	9/15/2000	03710		0.0	12/5/2000
FACILITY Long Description:	CMP	**0000073342**	CLOSE	0500-17 ANNUAL COMPRESSOR BKR-1E	9	9/15/2000	03710		1.0	12/5/2000
FACILITY Long Description:	GC	**0000064818**	CLOSE	GAS CALL GCB/CASP45 1E	1	6/24/2000	05794		0.0	9/27/2000
FACILITY Long Description:	CMP	**0000058699**	CLOSE	0500-28 BKR SUMM/WINT INSP 1E	1	4/26/2000	03710		0.0	5/31/2000

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MAXIMO REPORT: EQUIPMENT HISTORY

Station: QUEENSBRIDGE **Equipment: BKR-0002791** **QB-CIRCUIT BREAKER- 1E **RETIRED****

RESP AREA	WORK TYPE	WORK NUMBER	STATUS	DESCRIPTION	PRTY	REPORT DATE	REPORTED BY	SUPV	HRS	ACTUAL FINISH
FACILITY Long Description:	GC	**0000039363**	CLOSE	GAS CALL GCB/CASP45 1E	1	10/29/1999	14091		0.0	12/22/2000
FACILITY Long Description:	CMP	**0000020649**	CLOSE	500-28-CIR BKRS WINTERIZATION IN	1	5/26/1999	98219		0.0	5/26/1999

56 total work order(s) having 1299 hours.

Redacted

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MAXIMO REPORT: EQUIPMENT HISTORY

Station: QUEENSBRIDGE **Equipment: BKR-0002804** **QB-CIRCUIT BREAKER-14E **RETIRED****

RESP AREA	WORK TYPE	WORK NUMBER	STATUS	DESCRIPTION	PRTY	REPORT DATE	REPORTED BY	SUPV	HRS	ACTUAL FINISH
AUXSUP Long Description:	CAP	**0007843666**	CLOSE	QB- BKR 14E- HIPOT AFTER INSTALLATION	5	2/1/2008	49436	18917	16.0	2/13/2008
UNDERGRND Long Description:	OTHR	**0007750649**	COMP	SUPPORT ECB AT QUEENSBRIDGE S/S	9	1/12/2008	78367		44.0	1/27/2008
CONST Long Description:	CAP	**0007738420**	CLOSE	REMOVAL OF BREAKER 14E - QUEENSBRIDGE S/S	5	1/9/2008	13990		0.0	1/23/2008
CONST Long Description:	CAP	**0007738353**	CLOSE	INSTALLATION OF BREAKER 14E - QUEENSBRIDGE S/S	5	1/9/2008	13990		0.0	2/19/2008
PROTSYS Long Description:	CAP	**0007721254**	CLOSE	QUEENSBRIDGE BREAKER 14E INSTALLATION	5	1/4/2008	05212		0.0	2/16/2008
PROTSYS Long Description:	CAP	**0007721201**	CLOSE	QUEENSBRIDGE BREAKER 14E REMOVAL	5	1/4/2008	05212		704.0	2/20/2008
FACILITY Long Description:	GC	**0007643571**	CLOSE	GAS CALL BKR 14E	4	12/6/2007	14072	14072	0.0	12/6/2007
FACILITY Long Description:	GC	**0007462927**	CLOSE	GAS CALL BKR 14E	4	10/23/2007	85994	85994	0.0	10/23/2007
FACILITY Long Description:	CMP-0	**0007363909**	CLOSE	0500-28 BKR WINTERIZATION INSP 14E	4	10/1/2007	MAXADMIN	28990	2.0	11/7/2007
FACILITY Long Description:	CM	**0007288387**	CLOSE	BKR. WILL NOT TRIP	5	9/19/2007	14952	14952	9.0	10/3/2007
FACILITY Long Description:	CM	**0007279813**	CLOSE	ADD OIL TO BKR. 14E COLUMN 2	5	9/12/2007	14952	14952	16.0	10/4/2007
FACILITY Long Description:	CM	**0007266950**	CLOSE	TROUBLSHOOT LOSS OF INDICATION ON BKR. 14E	5	9/4/2007	14952	14952	67.0	9/12/2007
FACILITY Long Description:	CMP	**0007241790**	CLOSE	0500-02 DEW POINT TESTING -BKR 14E	2	8/31/2007	MAXADMIN	28990	1.0	10/18/2007
FACILITY Long Description:	GC	**0007050420**	CLOSE	GAS CALL BKR 14E	2	6/25/2007	14072	14072	0.0	6/25/2007

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MAXIMO REPORT: EQUIPMENT HISTORY

Station: QUEENSBRIDGE **Equipment: BKR-0002804** **QB-CIRCUIT BREAKER-14E **RETIRED****

RESP AREA	WORK TYPE	WORK NUMBER	STATUS	DESCRIPTION	PRTY	REPORT DATE	REPORTED BY	SUPV	HRS	ACTUAL FINISH
FACILITY Long Description:	OSS	**0006975114**	CLOSE	REPLACE BREAKER 14E	5	5/31/2007	85180	14952	71.0	1/17/2008
FACILITY Long Description:	CMP	**0006648278**	CLOSE	0500-28 BKR SUMMERIZATION INSP 14E	2	2/28/2007	MAXADMIN	28990	2.0	5/11/2007
FACILITY Long Description:	GC	**0006489082**	CLOSE	GAS CALL BKR 14E	2	1/26/2007	14072	14072	0.0	1/26/2007
FACILITY Long Description:	GC	**0006240971**	CLOSE	GAS CALL BKR 14E	2	11/5/2006	14072	14072	0.0	11/5/2006
FACILITY Long Description:	CMP	**0006179910**	CLOSE	0500-28 BKR WINTERIZATION INSP 14E	2	10/31/2006	MAXADMIN	28990	2.0	12/31/2006
FACILITY Long Description:	GC	**0006151489**	CLOSE	GAS CALL BKR 14E	2	10/9/2006	86072	86072	0.0	10/9/2006
FACILITY Long Description:	DT	**0006068528**	CLOSE	BKR- 14E (DT)	2	9/28/2006	47337	14952	66.0	11/9/2006
FACILITY Long Description:	GC	**0005949980**	CLOSE	GAS CALL BKR 14E	2	8/16/2006	14072	14072	0.0	8/16/2006
FACILITY Long Description:	CMP	**0005346722**	CLOSE	0500-28 BKR SUMMERIZATION INSP 14E	2	2/28/2006	MAXADMIN	28990	0.0	4/23/2006
FACILITY Long Description:	GC	**0005171241**	CLOSE	GAS CALL BKR 14E	2	1/17/2006	14072	14072	0.0	1/17/2006
FACILITY Long Description:	GC	**0005171143**	CLOSE	GAS CALL BKR 14E	2	1/17/2006	14072	14072	0.0	6/29/2006
FACILITY Long Description:	ALARM	**0004994159**	CLOSE	TROUBLESHOOT	5	12/1/2005	14952	14952	8.0	12/24/2005
FACILITY Long Description:	CMP	**0000345187**	CLOSE	0500-28 BKR WINTERIZATION INSP 14E	2	10/25/2005	PMWOGEN	28990	2.0	12/4/2005
FACILITY Long Description:	GC	**0000315482**	CLOSE	GAS CALL BKR 14E	2	5/15/2005	49961	49961	0.0	5/15/2005

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MAXIMO REPORT: EQUIPMENT HISTORY

Station: QUEENSBRIDGE **Equipment: BKR-0002804** **QB-CIRCUIT BREAKER-14E **RETIRED****

RESP AREA	WORK TYPE	WORK NUMBER	STATUS	DESCRIPTION	PRTY	REPORT DATE	REPORTED BY	SUPV	HRS	ACTUAL FINISH
FACILITY Long Description:	ALARM	**0000310215**	CLOSE	TROUBLESHOOT	5	4/9/2005	14952	14952	8.0	4/12/2005
FACILITY Long Description:	CMP	**0000301165**	CLOSE	0500-28 BKR SUMMERIZATION INSP 14E	4	2/25/2005	PMWOGEN	28990	2.0	5/3/2005
FACILITY Long Description:	CMP	**0000278939**	CLOSE	0500-28 BKR WINTERIZATION INSP 14E	4	10/25/2004	PMWOGEN	28990	2.0	1/16/2005
FACILITY Long Description:	CMP	**0000245843**	CLOSE	0500-28 BKR SUMMERIZATION INSP 14E	4	2/28/2004	PMWOGEN	28990	2.0	5/9/2004
FACILITY Long Description:	CMP	**0000230878**	CLOSE	0500-17 ANNUAL COMPRESSOR BKR-14E	4	10/30/2003	PMWOGEN	28990	2.0	10/19/2004
FACILITY Long Description:	CMP	**0000230864**	CLOSE	0500-17 ANNUAL COMPRESSOR BKR 14E	4	10/30/2003	PMWOGEN	28990	2.0	10/12/2004
FACILITY Long Description:	CMP	**0000224834**	CLOSE	0500-28 BKR SUMM/WINT INSP 14E	4	9/29/2003	03710	28990	2.0	4/6/2004
FACILITY Long Description:	GC	**0000210490**	CLOSE	GAS CALL BKR 14E	2	5/29/2003	19201	19201	0.0	5/29/2003
FACILITY Long Description:	CMP	**0000206687**	CLOSE	0500-28 BKR SUMM/WINT INSP 14E	2	5/1/2003	52741		1.0	5/18/2003
FACILITY Long Description:	CMP	**0000184994**	CLOSE	0500-28 BKR SUMM/WINT INSP 14E	2	11/4/2002	03710		1.0	12/11/2002
FACILITY Long Description:	CMP	**0000184927**	CLOSE	0500-17 ANNUAL COMPRESSOR BKR-14E	2	11/4/2002	03710		1.0	12/18/2002
FACILITY Long Description:	CMP	**0000184908**	CLOSE	0500-17 ANNUAL COMPRESSOR BKR 14E	2	11/4/2002	03710		1.0	12/18/2002
FACILITY Long Description:	CMP	**0000160564**	CLOSE	0500-28 BKR SUMM/WINT INSP 14E	2	5/1/2002	03710		1.0	5/13/2002
FACILITY Long Description:	CM	**0000152986**	CLOSE	BKR 14E LOW AIR/GAS ALARM DOES NOT COME INTO CONTROL ALARM PANEL	3	3/13/2002	14265	18727	16.0	6/19/2002

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MAXIMO REPORT: EQUIPMENT HISTORY

Station: QUEENSBRIDGE **Equipment: BKR-0002804** **QB-CIRCUIT BREAKER-14E **RETIRED****

RESP AREA	WORK TYPE	WORK NUMBER	STATUS	DESCRIPTION	PRTY	REPORT DATE	REPORTED BY	SUPV	HRS	ACTUAL FINISH
FACILITY Long Description:	GC	**0000141931**	CLOSE	QB-GAS CALL GCB/CASP45 14E	1	12/23/2001	03710		0.0	12/23/2001
FACILITY Long Description:	CMP	**0000135851**	CLOSE	0500-28 BKR SUMM/WINT INSP 14E	1	11/1/2001	03710		1.0	11/22/2001
FACILITY Long Description:	CMP	**0000135587**	CLOSE	0500-17 ANNUAL COMPRESSOR BKR 14E	9	11/1/2001	03710		0.5	11/25/2001
FACILITY Long Description:	CMP	**0000135570**	CLOSE	0500-17 ANNUAL COMPRESSOR BKR-14E	9	11/1/2001	03710		0.0	11/29/2001
FACILITY Long Description:	CMP	**0000111912**	CLOSE	0500-28 BKR SUMM/WINT INSP 14E	1	5/1/2001	03710		0.5	5/24/2001
FACILITY Long Description:	GC	**0000091097**	CLOSE	QB-GAS CALL GCB/CASP45 14E	2	12/22/2000	03710		0.0	3/31/2003
FACILITY Long Description:	CM	**0000086924**	CLOSE	REPAIR OPERATING MECHANISM	9	12/4/2000	18727	18727	18.0	5/11/2001
FACILITY Long Description:	CMP	**0000073481**	CLOSE	0500-28 BKR SUMM/WINT INSP 14E	1	9/15/2000	03710		0.0	12/5/2000
FACILITY Long Description:	CMP	**0000073341**	CLOSE	0500-17 ANNUAL COMPRESSOR BKR-14E	9	9/15/2000	03710		1.0	12/5/2000
FACILITY Long Description:	CMP	**0000058693**	CLOSE	0500-28 BKR SUMM/WINT INSP 14E	1	4/26/2000	03710		0.0	5/31/2000
FACILITY Long Description:	GC	**0000055388**	CLOSE	GAS CALL GCB/CASP45 14E	1	3/31/2000	05794		0.0	12/22/2000
FACILITY Long Description:	GC	**0000039359**	CLOSE	GAS CALL GCB/CASP45 14E	1	10/29/1999	14091		0.0	12/22/2000
FACILITY Long Description:	CMP	**0000020644**	CLOSE	500-28-CIR BKRS WINTERIZATION IN	1	5/26/1999	98219		0.0	5/26/1999
FACILITY Long Description:	DT	**0000012588**	CLOSE	QB 138-BKR- 14E DIAG TEST	1	2/25/1999	45769		0.0	4/2/1999

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MAXIMO REPORT: EQUIPMENT HISTORY

Station: QUEENSBRIDGE **Equipment: BKR-0002804** **QB-CIRCUIT BREAKER-14E **RETIRED****

RESP AREA	WORK TYPE	WORK NUMBER	STATUS	DESCRIPTION	PRTY	REPORT DATE	REPORTED BY	SUPV	HRS	ACTUAL FINISH
FACILITY	DT	**0000011245**	CLOSE	QB 138 - DIAG BKR 14E	9	2/4/1999	45769		48.0	3/1/1999
Long Description:										

57 total work order(s) having 1120 hours.

Redacted

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MAXIMO REPORT: EQUIPMENT HISTORY

Station: QUEENSBRIDGE **Equipment: BKR-0002821** **QB-CIRCUIT BREAKER- 7E**

RESP AREA	WORK TYPE	WORK NUMBER	STATUS	DESCRIPTION	PRTY	REPORT DATE	REPORTED BY	SUPV	HRS	ACTUAL FINISH
FACILITY Long Description:	GC	**0008207770**	COMP	GAS CALL BKR 7E	4	6/1/2008	14072	14072	0.0	6/1/2008
FACILITY Long Description:	GC	**0008006004**	CLOSE	GAS CALL BKR 7E	4	3/31/2008	56613	56613	0.0	3/31/2008
FACILITY Long Description:	CMP-0	**0007874743**	COMP	0500-28 BKR SUMMERIZATION INSP 7E	4	2/8/2008	89260	28990	0.0	4/10/2008
FACILITY Long Description:	CMP-0	**0007493688**	APPR	0500-17 ANNUAL COMPRESSOR BKR 7E	4	10/31/2007	MAXADMIN		0.0	
FACILITY Long Description:	CMP-0	**0007347509**	CLOSE	0500-28 BKR WINTERIZATION INSP 7E	4	10/1/2007	MAXADMIN	28990	2.0	11/7/2007
FACILITY Long Description:	CMP	**0007241689**	CLOSE	0500-02 DEW POINT TESTING -BKR 7E	2	8/31/2007	MAXADMIN	28990	0.0	10/18/2007
FACILITY Long Description:	GC	**0006949066**	CLOSE	GAS CALL BKR 7E	2	5/25/2007	86072	86072	0.0	5/25/2007
FACILITY Long Description:	CMP	**0006648652**	CLOSE	0500-28 BKR SUMMERIZATION INSP 7E	2	3/1/2007	MAXADMIN	28990	2.0	5/10/2007
FACILITY Long Description:	CMP	**0006183579**	CLOSE	0500-17 ANNUAL COMPRESSOR BKR 7E	2	10/31/2006	MAXADMIN	28990	2.0	8/7/2007
FACILITY Long Description:	CMP	**0006180263**	CLOSE	0500-28 BKR WINTERIZATION INSP 7E	2	10/31/2006	MAXADMIN	28990	2.0	12/31/2006
FACILITY Long Description:	GC	**0006058180**	CLOSE	GAS CALL BKR 7E	2	9/22/2006	84659	84659	0.0	9/22/2006
FACILITY Long Description:	GC	**0005851244**	CLOSE	GAS CALL BKR 7E	2	7/16/2006	14808	19201	0.0	9/23/2006
FACILITY Long Description:	GC	**0005739624**	CLOSE	GAS CALL BKR 7E	2	6/13/2006	14072	14072	0.0	6/13/2006
FACILITY Long Description:	CMP	**0005346947**	CLOSE	0500-28 BKR SUMMERIZATION INSP 7E	2	2/28/2006	MAXADMIN	28990	2.0	4/25/2006

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MAXIMO REPORT: EQUIPMENT HISTORY

Station: QUEENSBRIDGE **Equipment: BKR-0002821** **QB-CIRCUIT BREAKER- 7E**

RESP AREA	WORK TYPE	WORK NUMBER	STATUS	DESCRIPTION	PRTY	REPORT DATE	REPORTED BY	SUPV	HRS	ACTUAL FINISH
FACILITY Long Description:	GC	**0005171064**	CLOSE	GAS CALL BKR 7E	2	1/17/2006	14072	14072	0.0	4/23/2006
FACILITY Long Description:	CMP	**0000345193**	CLOSE	0500-28 BKR WINTERIZATION INSP 7E	2	10/25/2005	PMWOGEN	28990	2.0	12/4/2005
FACILITY Long Description:	CMP	**0000344965**	CLOSE	0500-17 ANNUAL COMPRESSOR BKR 7E	2	10/25/2005	PMWOGEN	28990	2.0	8/26/2006
FACILITY Long Description:	CMP	**0000301171**	CLOSE	0500-28 BKR SUMMERIZATION INSP 7E	4	2/25/2005	PMWOGEN	28990	2.0	5/3/2005
FACILITY Long Description:	INFO	**0000284413**	CLOSE	SUPERVISORY CONTROL REPAIRS	5	12/2/2004	72593		0.0	12/2/2004

QUEENSBRIDGE

Equipment Name Voltage Outage
Type OOS Date Projected
Restoration Actual
Restoration Outage Work
Description Contact
QB-CIRCUIT BREAKER- 7E 138 kv OOE2 12/01/2004 10:59 12/01/2004 17:26 SUPERVISORY CONTROL REPAIRS
Outage Step Step Start Step End Work Description Work Location Comments
No Steps Defined for Date Range Specified.
Status Date Note
12/01/2004 15:00 Work Permit incomplete by PST to check and repair interface supervisory controls for Bkr 7. Found defective wiring area to schedule repairs.
12/01/2004 15:35 Bkr 7 Cut In via interposing relay.

FACILITY Long Description:	CMP	**0000278945**	CLOSE	0500-28 BKR WINTERIZATION INSP 7E	4	10/25/2004	PMWOGEN	28990	2.0	1/19/2005
FACILITY Long Description:	CMP	**0000278140**	CLOSE	0500-17 ANNUAL COMPRESSOR BKR 7E	4	10/25/2004	PMWOGEN	28990	2.0	9/27/2005
FACILITY Long Description:	CMP	**0000245849**	CLOSE	0500-28 BKR SUMMERIZATION INSP 7E	4	2/28/2004	PMWOGEN	28990	2.0	5/9/2004
FACILITY Long Description:	ALARM	**0000243471**	CLOSE	TROUBLESHOOT 125 VDC GROUND BKR. 7E	5	2/27/2004	14952	14952	50.0	3/19/2004
FACILITY Long Description:	CMP	**0000230884**	CLOSE	0500-17 ANNUAL COMPRESSOR BKR-7E	4	10/30/2003	PMWOGEN	28990	2.0	10/19/2004

Redacted

MAXIMO REPORT: EQUIPMENT HISTORY

Station: QUEENSBRIDGE **Equipment: BKR-0002821** **QB-CIRCUIT BREAKER- 7E**

RESP AREA	WORK TYPE	WORK NUMBER	STATUS	DESCRIPTION	PRTY	REPORT DATE	REPORTED BY	SUPV	HRS	ACTUAL FINISH
FACILITY Long Description:	CMP	**0000230869**	CLOSE	0500-17 ANNUAL COMPRESSOR BKR 7E	4	10/30/2003	PMWOGEN	28990	2.0	10/17/2004
FACILITY Long Description:	CMP	**0000224840**	CLOSE	0500-28 BKR SUMM/WINT INSP 7E	4	9/29/2003	03710	28990	2.0	4/7/2004
FACILITY Long Description:	CMP	**0000206693**	CLOSE	0500-28 BKR SUMM/WINT INSP 7E	2	5/1/2003	52741		1.0	5/18/2003
FACILITY Long Description:	CMP	**0000185000**	CLOSE	0500-28 BKR SUMM/WINT INSP 7E	2	11/4/2002	03710		1.0	12/11/2002
FACILITY Long Description:	CMP	**0000184933**	CLOSE	0500-17 ANNUAL COMPRESSOR BKR-7E	2	11/4/2002	03710		1.0	12/17/2002
FACILITY Long Description:	CMP	**0000184913**	CLOSE	0500-17 ANNUAL COMPRESSOR BKR 7E	2	11/4/2002	03710		0.0	12/17/2002
FACILITY Long Description:	DT	**0000181561**	CLOSE	BKR- 7E (DT)	2	10/25/2002	03710		144.0	4/28/2003
FACILITY Long Description:	CMP	**0000160570**	CLOSE	0500-28 BKR SUMM/WINT INSP 7E	2	5/1/2002	03710		1.0	5/14/2002
FACILITY Long Description: **TAG PLACED BY SSOM3/5/92**	JUMP	**0000149279**	CLOSE	JUMPER TAG ON BREKER 7E TO 8E TO JUMP OUT CB NOT CLOSED ALARM .	5	2/16/2002	14072		0.0	12/12/2003
FACILITY Long Description:	CMP	**0000135845**	CLOSE	0500-28 BKR SUMM/WINT INSP 7E	1	11/1/2001	03710		0.5	11/22/2001
FACILITY Long Description:	CMP	**0000135582**	CLOSE	0500-17 ANNUAL COMPRESSOR BKR 7E	9	11/1/2001	03710		0.5	11/25/2001
FACILITY Long Description:	CMP	**0000135564**	CLOSE	0500-17 ANNUAL COMPRESSOR BKR-7E	9	11/1/2001	03710		0.0	11/29/2001
FACILITY Long Description:	CMP	**0000111920**	CLOSE	0500-28 BKR SUMM/WINT INSP 7E	1	5/1/2001	03710		0.5	5/24/2001
FACILITY Long Description:	GC	**0000091103**	CLOSE	QB-GAS CALL GCB/CASP45 7E	2	12/22/2000	03710		0.0	3/31/2003

Redacted

MAXIMO REPORT: EQUIPMENT HISTORY

Station: QUEENSBRIDGE **Equipment: BKR-0002821** **QB-CIRCUIT BREAKER- 7E**

RESP AREA	WORK TYPE	WORK NUMBER	STATUS	DESCRIPTION	PRTY	REPORT DATE	REPORTED BY	SUPV	HRS	ACTUAL FINISH
FACILITY Long Description:	CMP	**0000073475**	CLOSE	0500-28 BKR SUMM/WINT INSP 7E	1	9/15/2000	03710		0.0	12/5/2000
FACILITY Long Description:	CMP	**0000073335**	CLOSE	0500-17 ANNUAL COMPRESSOR BKR-7E	9	9/15/2000	03710		1.0	12/5/2000
FACILITY Long Description:	GC	**0000067736**	CLOSE	GAS CALL GCB/CASP45 7E	1	7/22/2000	14072		0.0	9/27/2000
FACILITY Long Description:	CMP	**0000058687**	CLOSE	0500-28 BKR SUMM/WINT INSP 7E	1	4/26/2000	03710		0.0	5/31/2000
FACILITY Long Description:	GC	**0000039353**	CLOSE	GAS CALL GCB/CASP45 7E	1	10/29/1999	14091		0.0	12/22/2000
FACILITY Long Description:	CMP	**0000020638**	CLOSE	500-28-CIR BKRS WINTERIZATION IN	1	5/26/1999	98219		0.0	5/26/1999

44 total work order(s) having 228.5 hours.

Redacted

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MAXIMO REPORT: EQUIPMENT HISTORY

Station: JAMAICA 138KV **Equipment: BKR-0002846** **JAM 138-CIRCUIT BREAKER-13 **RETIRED****

RESP AREA	WORK TYPE	WORK NUMBER	STATUS	DESCRIPTION	PRTY	REPORT DATE	REPORTED BY	SUPV	HRS	ACTUAL FINISH
ENV Long Description:	ENV	**0007973261**	CLOSE	PCB CONTAINING CAPACITORS REMOVED FROM BREAKER 13	2	3/7/2008	02886		0.0	3/7/2008
ENV Long Description:	ENV	**0007973255**	CLOSE	LEAD PAINT CHIPS REMOVED FROM BREAKER 13	5	3/7/2008	02886		0.0	3/7/2008
FACILITY Long Description:	CAP	**0007899213**	CLOSE	JAMAICA BKR 13- HIPOT AFTER NEW BKR INSTALLATION	3	2/21/2008	52741	18917	65.0	2/28/2008
FACILITY Long Description:	CAP	**0007864452**	INPRG	SUPPORT CHANGE-OUT OF BREAKER 13 - JAMAICA S/S	5	2/8/2008	02886		899.0	
AUXSUP Long Description:	CAP	**0007843732**	CLOSE	JAMAICA BKR 13- HIPOT AFTER NEW BKR INSTALLATION	5	2/1/2008	49436	18917	32.0	2/25/2008
FACILITY Long Description:	GC	**0007721441**	CLOSE	GAS CALL BKR 13	4	1/4/2008	85464	85464	0.0	1/4/2008
FACILITY Long Description:	GC	**0007661364**	CLOSE	GAS CALL BKR 13	4	12/21/2007	21399	21399	0.0	12/21/2007
FACILITY Long Description:	CAP	**0007647762**	APPR	RESTORE FLEX BUS ASSOCIATED WITH BREAKER 13	5	12/10/2007	85180		0.0	
CONST Long Description:	CAP	**0007585635**	CLOSE	REMOVAL OF BREAKER 13 - JAMAICA S/S	5	11/29/2007	13990		0.0	5/12/2008
CONST Long Description:	CAP	**0007585596**	CLOSE	INSTALLATION OF BREAKER 13 - JAMAICA S/S	5	11/29/2007	13990	13990	0.0	5/12/2008
FACILITY Long Description:	GC	**0007571035**	CLOSE	GAS CALL BKR 13	4	11/21/2007	85464	85464	0.0	11/21/2007
FACILITY Long Description:	GC	**0007542107**	CLOSE	GAS CALL BKR 13	4	11/6/2007	84659	84659	0.0	11/6/2007
FACILITY Long Description:	GC	**0007488649**	CLOSE	GAS CALL BKR 13	4	10/29/2007	85464	85464	0.0	10/29/2007

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MAXIMO REPORT: EQUIPMENT HISTORY

Station: JAMAICA 138KV **Equipment: BKR-0002846** **JAM 138-CIRCUIT BREAKER-13 **RETIRED****

RESP AREA	WORK TYPE	WORK NUMBER	STATUS	DESCRIPTION	PRTY	REPORT DATE	REPORTED BY	SUPV	HRS	ACTUAL FINISH
FACILITY Long Description:	GC	**0007463267**	CLOSE	GAS CALL BKR 13	4	10/23/2007	85464	85464	0.0	10/23/2007
FACILITY Long Description:	GC	**0007454741**	CLOSE	GAS CALL BKR 13	2	10/17/2007	13170	13170	0.0	10/17/2007
FACILITY Long Description:	CMP-0	**0007322310**	CLOSE	0500-28 BKR WINTERIZATION INSP 13	4	9/30/2007	MAXADMIN	28990	2.0	11/6/2007
FACILITY Long Description:	GC	**0007304211**	CLOSE	GAS CALL BKR 13	2	9/30/2007	13170	13170	0.0	9/30/2007
FACILITY Long Description:	GC	**0007281196**	CLOSE	GAS CALL BKR 13	2	9/13/2007	85464	85464	0.0	9/13/2007
FACILITY Long Description:	CMP-0	**0007238363**	CLOSE	0500-17 ANNUAL COMPRESSOR BKR-13	4	8/31/2007	MAXADMIN	28990	2.0	1/16/2008
FACILITY Long Description:	GC	**0007213378**	CLOSE	GAS CALL BKR 13	2	8/20/2007	88717	88717	0.0	8/20/2007
FACILITY Long Description:	GC	**0007139299**	CLOSE	GAS CALL BKR 13	2	7/27/2007	09036	09036	0.0	7/27/2007
FACILITY Long Description:	GC	**0007129163**	CLOSE	GAS CALL BKR 13	2	7/21/2007	13170	13170	0.0	7/21/2007
FACILITY Long Description:	GC	**0007117735**	CLOSE	GAS CALL BKR 13	2	7/10/2007	85464	85464	0.0	7/10/2007
FACILITY Long Description:	GC	**0006955135**	CLOSE	GAS CALL BKR 13	2	5/29/2007	13170	13170	0.0	5/29/2007
FACILITY Long Description:	GC	**0006826698**	CLOSE	GAS CALL BKR 13	2	4/26/2007	04345	04345	0.0	4/26/2007
FACILITY Long Description:	GC	**0006816219**	CLOSE	GAS CALL BKR 13	2	4/17/2007	13170	13170	0.0	4/17/2007
FACILITY Long Description:	RL	**0006815456**	CLOSE	RESTORE LINKS ON BREAKER 13	5	4/17/2007	02886		24.0	4/18/2007

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MAXIMO REPORT: EQUIPMENT HISTORY

Station: JAMAICA 138KV **Equipment: BKR-0002846** **JAM 138-CIRCUIT BREAKER-13 **RETIRED****

RESP AREA	WORK TYPE	WORK NUMBER	STATUS	DESCRIPTION	PRTY	REPORT DATE	REPORTED BY	SUPV	HRS	ACTUAL FINISH
FACILITY Long Description:	GC	**0006806304**	CLOSE	GAS CALL BKR 13	2	4/8/2007	85828	85828	0.0	4/8/2007
FACILITY Long Description:	CM	**0006803733**	CLOSE	REMOVE LINKS ON BREAKER 13	3	4/6/2007	02886		48.0	4/8/2007
FACILITY Long Description:	CMP	**0006742793**	CLOSE	0500-02 DEW POINT TESTING -BKR 13	2	3/31/2007	MAXADMIN	28990	1.0	6/6/2007
FACILITY Long Description:	GC	**0006714444**	CLOSE	GAS CALL BKR 13	2	3/19/2007	03848	03848	0.0	3/19/2007
FACILITY Long Description:	GC	**0006689797**	CLOSE	GAS CALL BKR 13	2	3/5/2007	00165	00165	0.0	3/5/2007
FACILITY Long Description:	CMP	**0006647120**	CLOSE	0500-28 SUMMERIZATION INSP BKR 13	2	2/28/2007	MAXADMIN	28990	0.0	5/11/2007
FACILITY Long Description:	GC	**0006564750**	CLOSE	GAS CALL BKR 13	2	2/14/2007	85464	85464	0.0	2/14/2007
FACILITY Long Description:	OSS	**0006561226**	CLOSE	REMOVE LINKS ON BREAKER 13	3	2/12/2007	85180		35.0	6/12/2007
FACILITY Long Description:	GC	**0006497353**	CLOSE	GAS CALL BKR 13	2	1/30/2007	19006	19006	0.0	1/30/2007
FACILITY Long Description:	GC	**0006486217**	CLOSE	GAS CALL BKR 13	2	1/23/2007	85464	85464	0.0	1/23/2007
FACILITY Long Description:	GC	**0006479377**	CLOSE	GAS CALL BKR 13	2	1/20/2007	85464	85464	0.0	1/20/2007
FACILITY Long Description:	GC	**0006455647**	CLOSE	GAS CALL BKR 13	2	1/9/2007	13170	13170	0.0	1/9/2007
FACILITY Long Description:	GC	**0006389959**	CLOSE	GAS CALL BKR 13	2	12/28/2006	13170	13170	0.0	12/28/2006
FACILITY Long Description:	GC	**0006364547**	CLOSE	GAS CALL BKR 13	2	12/15/2006	19006	19006	0.0	12/15/2006

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MAXIMO REPORT: EQUIPMENT HISTORY

Station: JAMAICA 138KV **Equipment: BKR-0002846** **JAM 138-CIRCUIT BREAKER-13 **RETIRED****

RESP AREA	WORK TYPE	WORK NUMBER	STATUS	DESCRIPTION	PRTY	REPORT DATE	REPORTED BY	SUPV	HRS	ACTUAL FINISH
FACILITY Long Description:	GC	**0006354503**	CLOSE	GAS CALL BKR 13	2	12/5/2006	13170	13170	0.0	12/5/2006
FACILITY Long Description:	GC	**0006286521**	CLOSE	GAS CALL BKR 13	2	11/27/2006	13170	13170	0.0	11/27/2006
FACILITY Long Description:	GC	**0006278186**	CLOSE	GAS CALL BKR 13	2	11/20/2006	00165	00165	0.0	11/20/2006
FACILITY Long Description:	GC	**0006250503**	CLOSE	GAS CALL BKR 13	2	11/14/2006	85464	85464	0.0	11/14/2006
FACILITY Long Description:	GC	**0006246510**	CLOSE	GAS CALL BKR 13	2	11/8/2006	85464	85464	0.0	11/8/2006
FACILITY Long Description:	GC	**0006238049**	CLOSE	GAS CALL BKR 13	2	11/2/2006	85464	85464	0.0	11/2/2006
FACILITY Long Description:	GC	**0006144340**	CLOSE	GAS CALL BKR 13	2	10/3/2006	85464	85464	0.0	10/3/2006
FACILITY Long Description:	GC	**0006046384**	CLOSE	GAS CALL BKR 13	2	9/13/2006	04345	04345	0.0	9/13/2006
FACILITY Long Description:	CMP	**0005990338**	CLOSE	0500-17 ANNUAL COMPRESSOR BKR-13	2	8/31/2006	MAXADMIN	28990	0.0	7/9/2007
FACILITY Long Description:	GC	**0005964090**	CLOSE	GAS CALL BKR 13	2	8/24/2006	85464	85464	0.0	8/24/2006
FACILITY Long Description:	GC	**0005952419**	CLOSE	GAS CALL BKR 13	2	8/16/2006	00165	00165	0.0	8/16/2006
FACILITY Long Description:	GC	**0005929163**	CLOSE	GAS CALL BKR 13	2	8/4/2006	03848	03848	0.0	8/4/2006
FACILITY Long Description:	GC	**0005849110**	CLOSE	GAS CALL BKR 13	2	7/16/2006	13170	13170	0.0	7/16/2006
FACILITY Long Description:	GC	**0005840693**	CLOSE	GAS CALL BKR 13	2	7/10/2006	13170	13170	0.0	7/10/2006

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MAXIMO REPORT: EQUIPMENT HISTORY

Station: JAMAICA 138KV **Equipment: BKR-0002846** **JAM 138-CIRCUIT BREAKER-13 **RETIRED****

RESP AREA	WORK TYPE	WORK NUMBER	STATUS	DESCRIPTION	PRTY	REPORT DATE	REPORTED BY	SUPV	HRS	ACTUAL FINISH
FACILITY Long Description:	GC	**0005828550**	CLOSE	GAS CALL BKR 13	2	7/3/2006	04345	04345	0.0	7/3/2006
FACILITY Long Description:	GC	**0005646319**	CLOSE	GAS CALL BKR 13	2	5/21/2006	85464	85464	0.0	5/21/2006
FACILITY Long Description:	GC	**0005615723**	CLOSE	GAS CALL BKR 13	2	5/7/2006	85464	85464	0.0	5/7/2006
FACILITY Long Description:	GC	**0005533894**	CLOSE	GAS CALL BKR 13	2	4/18/2006	85464	85464	0.0	4/18/2006
FACILITY Long Description:	GC	**0005521060**	CLOSE	GAS CALL BKR 13	2	4/10/2006	85464	85464	0.0	4/10/2006
FACILITY Long Description:	CM	**0005506910**	CLOSE	REMOVE BUS FOR TEST ABC PHASE TR SIDE	5	4/3/2006	47337		0.0	6/12/2007
FACILITY Long Description:	GC	**0005472688**	CLOSE	GAS CALL BKR 13	2	3/31/2006	19006	19006	0.0	3/31/2006
FACILITY Long Description:	CMP	**0005469729**	CLOSE	0500-02 DEW POINT TESTING -BKR 13	2	3/31/2006	MAXADMIN	28990	2.0	6/19/2006
FACILITY Long Description:	GC	**0005429204**	CLOSE	GAS CALL BKR 13	2	3/15/2006	17355	17355	0.0	3/15/2006
FACILITY Long Description:	GC	**0005254628**	CLOSE	GAS CALL BKR 13	2	2/3/2006	19006	19006	0.0	2/3/2006
FACILITY Long Description:	GC	**0005181737**	CLOSE	GAS CALL BKR 13	2	1/25/2006	19006	19006	0.0	1/25/2006
FACILITY Long Description:	GC	**0005172780**	CLOSE	GAS CALL BKR 13	2	1/18/2006	19006	19006	0.0	1/18/2006
FACILITY Long Description:	GC	**0005059819**	CLOSE	GAS CALL BKR 13	2	12/13/2005	03848	03848	0.0	12/13/2005
FACILITY Long Description:	GC	**0005020652**	CLOSE	GAS CALL BKR 13	2	12/5/2005	03848	03848	0.0	12/5/2005

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MAXIMO REPORT: EQUIPMENT HISTORY

Station: JAMAICA 138KV **Equipment: BKR-0002846** **JAM 138-CIRCUIT BREAKER-13 **RETIRED****

RESP AREA	WORK TYPE	WORK NUMBER	STATUS	DESCRIPTION	PRTY	REPORT DATE	REPORTED BY	SUPV	HRS	ACTUAL FINISH
FACILITY Long Description:	GC	**0004943772**	CLOSE	GAS CALL BKR 13	2	11/24/2005	03848	03848	0.0	12/5/2005
FACILITY Long Description:	CMP	**0000334162**	CLOSE	0500-17 ANNUAL COMPRESSOR BKR-13	2	8/25/2005	PMWOGEN	28990	2.0	6/7/2006
FACILITY Long Description:	CM	**0000322898**	CLOSE	BKR 13 GAS LEAK ON POLE 5 TOP AND BOTTOM OF BUSHING, POLE 3 BOTTOM OF BUSHING	5	6/10/2005	19201	19201	0.0	2/12/2008
FACILITY Long Description:	CM	**0000308260**	ZERO	BKR 13 AND BKR 14 NOT CLOSING VIA SOCCS OR CONTROL ROOM MIMIC BOARD.	4	3/27/2005	20094	19201	0.0	5/23/2005
FACILITY Long Description:	CMP	**0000307345**	CLOSE	0500-02 DEW POINT TESTING -BKR 13	4	3/25/2005	PMWOGEN	28990	2.0	6/14/2005
FACILITY Long Description:	GC	**0000306024**	CLOSE	GAS CALL BKR 13	2	3/21/2005	20094	20094	0.0	3/21/2005
FACILITY Long Description:	DT	**0000280437**	CLOSE	BKR- 13 (DT) (1 Year Frequency Invoked- OH Due)	3	11/4/2004	47337	19201	99.0	1/14/2007
FACILITY Long Description:	GC	**0000276222**	CLOSE	GAS CALL BKR 13	2	10/7/2004	13170	13170	0.0	10/7/2004
FACILITY Long Description:	CMP	**0000269366**	CLOSE	0500-17 ANNUAL COMPRESSOR BKR-13	4	8/25/2004	PMWOGEN	28990	2.0	8/29/2005
FACILITY Long Description:	GC	**0000257893**	CLOSE	GAS CALL BKR 13	2	6/1/2004	21159	21159	0.0	6/1/2004
FACILITY Long Description:	CMP	**0000249261**	CLOSE	0500-02 DEW POINT TESTING -BKR 13	4	3/25/2004	PMWOGEN	28990	4.0	6/14/2004
FACILITY Long Description:	DT	**0000240049**	CLOSE	BKR- 13 (DT) (1 YEAR FREQUENCY INVOKED- OH DUE)	3	1/21/2004	03710	13934	55.0	3/2/2004
FACILITY Long Description:	GC	**0000224631**	CLOSE	GAS CALL BKR 13	2	9/27/2003	85636	85631	0.0	6/9/2004

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MAXIMO REPORT: EQUIPMENT HISTORY

Station: JAMAICA 138KV **Equipment: BKR-0002846** **JAM 138-CIRCUIT BREAKER-13 **RETIRED****

RESP AREA	WORK TYPE	WORK NUMBER	STATUS	DESCRIPTION	PRTY	REPORT DATE	REPORTED BY	SUPV	HRS	ACTUAL FINISH
FACILITY Long Description:	CMP	**0000221834**	CLOSE	0500-17 ANNUAL COMPRESSOR BKR-13	4	9/2/2003	52741	28990	2.0	8/9/2004
FACILITY Long Description:	CMP	**0000202059**	CLOSE	0500-02 DEW POINT TESTING -BKR 13	2	3/28/2003	52741	28990	2.0	4/22/2003
FACILITY Long Description:	ALARM	**0000201922**	CLOSE	REPLACE DEFECTIVE RESISTOR FOR CLOSE INDICATIONS	2	3/28/2003	13934		16.0	4/11/2003
FACILITY Long Description:	FMHVP	**0000188395**	CLOSE	INSTALL NEW STRIP HEATERS IN CONTROL CABINET	3	12/4/2002	13934		8.0	12/19/2002
FACILITY Long Description:	DT	**0000181562**	CLOSE	BKR- 13 (DT)	2	10/25/2002	03710		68.0	3/26/2003
FACILITY Long Description:	CMP	**0000174166**	CLOSE	0500-17 ANNUAL COMPRESSOR BKR-13	2	9/3/2002	03710		5.0	11/12/2002
FACILITY Long Description:	CMP	**0000155104**	CLOSE	0500-02 DEW POINT TESTING -BKR 13	2	4/1/2002	03710	28990	1.0	4/2/2002
FACILITY Long Description:	GC	**0000149170**	CLOSE	ADD 10 PSI OF GAS	5	2/15/2002	21159		0.0	2/19/2002
FACILITY Long Description:	CMP	**0000127499**	CLOSE	0500-17 ANNUAL COMPRESSOR BKR-13	9	9/4/2001	03710		1.5	11/19/2001
FACILITY Long Description:	CMP	**0000107559**	CLOSE	0500-02 DEW POINT TESTING -BKR 13	1	4/3/2001	03710		2.0	4/22/2001
FACILITY Long Description:	CMP	**0000092704**	CLOSE	0500-02 DEW POINT TESTING -BKR 13	1	1/2/2001	03710	45451	1.0	1/31/2001
FACILITY Long Description:	GC	**0000091074**	CLOSE	GAS CALL GCB 13	2	12/22/2000	03710		0.0	8/6/2002
FACILITY Long Description:	GC	**0000088086**	CLOSE	GAS CALL GCB 13	1	12/15/2000	21159		0.0	12/22/2000

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Exhibit __ (SIIP-1)
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MAXIMO REPORT: EQUIPMENT HISTORY

Station: JAMAICA 138KV **Equipment: BKR-0002846** **JAM 138-CIRCUIT BREAKER-13 **RETIRED****

RESP AREA	WORK TYPE	WORK NUMBER	STATUS	DESCRIPTION	PRTY	REPORT DATE	REPORTED BY	SUPV	HRS	ACTUAL FINISH
FACILITY Long Description:	CMP	**0000077334**	CLOSE	0500-02 DEW POINT TESTING -BKR 13	1	10/16/2000	03710		1.0	11/30/2000
FACILITY Long Description:	CMP	**0000077333**	CLOSE	0500-02 DEW POINT TESTING - BKR 13	1	10/16/2000	03710		0.0	12/8/2000
FACILITY Long Description:	CMP	**0000072355**	CLOSE	0500-17 ANNUAL COMPRESSOR BKR-13	9	9/7/2000	03710		1.0	11/16/2000
FACILITY Long Description:	CM	**0000050603**	CLOSE	REPLACE COMP. CHECK VALVE	9	2/20/2000	47337		0.0	9/27/2000
FACILITY Long Description:	CM	**0000050378**	CLOSE	SF-6 CHECK VALVE DEFECTIVE	9	2/18/2000	47337		13.0	9/27/2000
FACILITY Long Description:	GC	**0000047903**	CLOSE	GAS CALL GCB 13	1	1/24/2000	14091		0.0	12/22/2000

101 total work order(s) having 1395.5 hours.

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Exhibit __ (SIIP-1)
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MAXIMO REPORT: EQUIPMENT HISTORY

Station: JAMAICA 138KV **Equipment: BKR-0002849** **JAM 138-CIRCUIT BREAKER-14 **RETIRED****

RESP AREA	WORK TYPE	WORK NUMBER	STATUS	DESCRIPTION	PRTY	REPORT DATE	REPORTED BY	SUPV	HRS	ACTUAL FINISH
AUXSUP Long Description:	HPOT	**0008092381**	CLOSE	HIPOT BREAKER #14	5	4/28/2008	18917		53.5	5/12/2008
FACILITY Long Description:	CAP	**0008066390**	INPRG	INSTALLATION OF BREAKER 14 - JAMAICA SS / OPERATOR SUPPORT	3	4/11/2008	52741		222.0	
FACILITY Long Description:	CMP-0	**0008023598**	CLOSE	0500-02 DEW POINT TESTING -BKR 14	4	3/31/2008	MAXADMIN	28990	0.0	4/29/2008
FACILITY Long Description:	CMP-0	**0007876267**	CLOSE	0500-28 BKR SUMMERIZATION INSP 14	4	2/8/2008	89260	28990	0.0	4/28/2008
FACILITY Long Description:	GC	**0007665648**	CLOSE	GAS CALL BKR 14	4	12/26/2007	13170	13170	0.0	12/29/2007
CONST Long Description:	CAP	**0007585713**	INPRG	REMOVAL OF BREAKER 14 - JAMAICA S/S	5	11/29/2007	13990		0.0	
CONST Long Description:	CAP	**0007585662**	INPRG	INSTALLATION OF BREAKER 14 - JAMAICA S/S	5	11/29/2007	13990		0.0	
FACILITY Long Description:	CMP-0	**0007371854**	CLOSE	0500-28 BKR WINTERIZATION INSP 14	4	10/1/2007	MAXADMIN	28990	2.0	11/6/2007
FACILITY Long Description:	CMP-0	**0007238394**	CLOSE	0500-17 ANNUAL COMPRESSOR BKR-14	4	8/31/2007	MAXADMIN	28990	2.0	1/16/2008
FACILITY Long Description:	CAP	**0007197372**	INPRG	RETIREMENT OF BREAKER 14	5	8/8/2007	85180		138.0	
FACILITY Long Description:	CMP	**0006754904**	CLOSE	0500-02 DEW POINT TESTING -BKR 14	2	3/31/2007	MAXADMIN	28990	1.0	6/6/2007
FACILITY Long Description:	CMP	**0006647154**	CLOSE	0500-28 SUMMERIZATION INSP BKR 14	2	2/28/2007	MAXADMIN	28990	0.0	5/12/2007
FACILITY Long Description:	CMP	**0005990369**	CLOSE	0500-17 ANNUAL COMPRESSOR BKR-14	2	8/31/2006	MAXADMIN	28990	0.0	7/9/2007
FACILITY Long Description:	CMP	**0005469706**	CLOSE	0500-02 DEW POINT TESTING -BKR 14	2	3/31/2006	MAXADMIN	28990	2.0	6/19/2006

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MAXIMO REPORT: EQUIPMENT HISTORY

Station: JAMAICA 138KV **Equipment: BKR-0002849** **JAM 138-CIRCUIT BREAKER-14 **RETIRED****

RESP AREA	WORK TYPE	WORK NUMBER	STATUS	DESCRIPTION	PRTY	REPORT DATE	REPORTED BY	SUPV	HRS	ACTUAL FINISH
FACILITY	CM	**0005170726**	CLOSE	LEAK ON CLOSING COIL FOR BKR # 14. COMPRESSOR UNABLE TO KEEP UP.	4	1/16/2006	52741		15.0	9/26/2006
Long Description:										
FACILITY	DT	**0005163144**	CLOSE	BKR- 14 (DT) (1 YR FREQUENCY INVOKED- OH DUE)	2	1/9/2006	47337		46.0	1/14/2007
Long Description:										
FACILITY	CM	**0005159271**	CLOSE	REPAIR AIR LEAK ON PIPING	4	1/7/2006	19201	19201	61.5	1/23/2006
Long Description:										
FACILITY	CMP	**0000334163**	CLOSE	0500-17 ANNUAL COMPRESSOR BKR-14	2	8/25/2005	PMWOGEN	28990	2.0	6/7/2006
Long Description:										
FACILITY	DT	**0000310553**	CLOSE	BKR- 14 (DT) (1 YR FREQUENCY INVOKED- OH DUE)	3	4/12/2005	18727	19201	37.5	10/3/2005
Long Description:										
FACILITY	CMP	**0000307346**	CLOSE	0500-02 DEW POINT TESTING -BKR 14	4	3/25/2005	PMWOGEN	28990	2.0	6/14/2005
Long Description:										
FACILITY	CM	**0000306583**	CLOSE	REPAIR AIR LEAK	4	3/25/2005	52741	19201	24.0	5/23/2005
Long Description:	**Repair iar leak by AA10 mechanism and change air compressor. The air compressor is weak. The AA10 mechanism is working but the slave valve is leaking. This is not uncommon. DM**									
FACILITY	CM	**0000306286**	ZERO	BREAKER 14 REPAIR AIR LEAK	3	3/23/2005	18727	19201	0.0	4/27/2005
Long Description:										
FACILITY	CMP	**0000269367**	CLOSE	0500-17 ANNUAL COMPRESSOR BKR-14	4	8/25/2004	PMWOGEN	28990	2.0	8/29/2005
Long Description:										
FACILITY	CMP	**0000249262**	CLOSE	0500-02 DEW POINT TESTING -BKR 14	4	3/25/2004	PMWOGEN	28990	4.0	6/14/2004
Long Description:										
FACILITY	DT	**0000240053**	CLOSE	BKR- 14 (DT) (1 YR FREQUENCY INVOKED- OH DUE)	3	1/21/2004	03710	19201	68.0	11/30/2004
Long Description:										
FACILITY	ALARM	**0000222872**	CLOSE	ON BKR 14 BACKUP TIMER LIGHT OUT 62-F 14/B5 PANEL (PH 7)	2	9/7/2003	03245	13934	29.0	9/15/2003
Long Description:										

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MAXIMO REPORT: EQUIPMENT HISTORY

Station: JAMAICA 138KV **Equipment: BKR-0002849** **JAM 138-CIRCUIT BREAKER-14 **RETIRED****

RESP AREA	WORK TYPE	WORK NUMBER	STATUS	DESCRIPTION	PRTY	REPORT DATE	REPORTED BY	SUPV	HRS	ACTUAL FINISH
FACILITY Long Description:	CMP	**0000221835**	CLOSE	0500-17 ANNUAL COMPRESSOR BKR-14	4	9/2/2003	52741	28990	2.0	8/9/2004
FACILITY Long Description:	DT	**0000219219**	CLOSE	BKR- 14 (DT) (1 YR FREQUENCY INVOKED- OH DUE)	2	8/6/2003	47337	13934	72.0	11/8/2003
FACILITY Long Description:	CMP	**0000202060**	CLOSE	0500-02 DEW POINT TESTING -BKR 14	2	3/28/2003	52741	28990	2.0	4/22/2003
FACILITY Long Description:	ENVRE	**0000175043**	CLOSE	REPAIR SF6 GAS LEAKS ON ENTRY DOORS (BKR.14)	2	9/6/2002	03710		24.0	9/20/2002
FACILITY Long Description:	CMP	**0000174167**	CLOSE	0500-17 ANNUAL COMPRESSOR BKR-14	2	9/3/2002	03710		5.0	11/12/2002
FACILITY Long Description:	CM	**0000172591**	CLOSE	REPAIR GAS LEAKS	3	8/23/2002	47337		8.0	12/19/2002
FACILITY Long Description:	CMP	**0000155105**	CLOSE	0500-02 DEW POINT TESTING -BKR 14	2	4/1/2002	03710	28990	1.0	4/2/2002
FACILITY Long Description:	DT	**0000151969**	CLOSE	BKR- 14 (DT) (DT DONE IN PLACE OF OH UNTIL EQUIP IS CHANGED OUT)	2	3/1/2002	03710		64.0	9/10/2002
FACILITY Long Description:	CMP	**0000127500**	CLOSE	0500-17 ANNUAL COMPRESSOR BKR-14	9	9/4/2001	03710		0.0	11/19/2001
FACILITY Long Description:	CMP	**0000107558**	CLOSE	0500-02 DEW POINT TESTING -BKR 14	1	4/3/2001	03710		2.0	4/22/2001
FACILITY Long Description:	DT	**0000095370**	CLOSE	JAMAICA BKR 14 (GCB)	1	1/19/2001	79255		72.0	10/9/2001
FACILITY Long Description:	CMP	**0000092703**	CLOSE	0500-02 DEW POINT TESTING -BKR 14	1	1/2/2001	03710	45451	1.0	1/31/2001
FACILITY Long Description:	CMP	**0000077332**	CLOSE	0500-02 DEW POINT TESTING -BKR 14	1	10/16/2000	03710		1.0	11/30/2000

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MAXIMO REPORT: EQUIPMENT HISTORY

Station: JAMAICA 138KV **Equipment: BKR-0002849** **JAM 138-CIRCUIT BREAKER-14 **RETIRED****

RESP AREA	WORK TYPE	WORK NUMBER	STATUS	DESCRIPTION	PRTY	REPORT DATE	REPORTED BY	SUPV	HRS	ACTUAL FINISH
FACILITY Long Description:	CMP	**0000077331**	CLOSE	0500-02 DEW POINT TESTING - BKR 14	1	10/16/2000	03710		0.0	12/8/2000
FACILITY Long Description:	CMP	**0000072354**	CLOSE	0500-17 ANNUAL COMPRESSOR BKR-14	9	9/7/2000	03710		1.0	11/16/2000
FACILITY Long Description:	FM	**0000053533**	CLOSE	BREAKER 14 LEAKS	9	3/9/2000	18727		15.5	12/24/2000
PROTSYS Long Description:	SR	**0000044611**	CLOSE	MM FOR BKR 14 AUX SWITCH AND DC CONTROLS	9	12/16/1999	38258		8.0	1/13/2000

43 total work order(s) having 990 hours.

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MAXIMO REPORT: EQUIPMENT HISTORY

Station: FRESH KILLS 345 **Equipment: BKR-0003057** **FKIL345-BKR 1 **RETIRED****

RESP AREA	WORK TYPE	WORK NUMBER	STATUS	DESCRIPTION	PRTY	REPORT DATE	REPORTED BY	SUPV	HRS	ACTUAL FINISH
AUXSUP Long Description:	CAP	**0008056489**	CLOSE	FRESHKILLS BKR 1- HIPOT AFTER INSTALL NEW	5	4/4/2008	49436	08050	36.0	4/4/2008
AUXSUP Long Description:	HPOT	**0007905443**	CLOSE	SUPPORT HIPOT ON BREAKER #1 AT FRESKILL	5	2/26/2008	08050		20.0	3/19/2008
FACILITY Long Description:	GC	**0007794058**	CLOSE	GAS CALL- BKR 1	4	1/23/2008	03332	03332	0.0	1/23/2008
FACILITY Long Description:	GC	**0007787125**	CLOSE	GAS CALL- BKR 1	4	1/17/2008	85684	85684	0.0	1/17/2008
FACILITY Long Description:	GC	**0007571143**	CLOSE	GAS CALL- BKR 1	4	11/22/2007	03332	03332	0.0	11/22/2007
FACILITY Long Description:	CM	**0007399405**	CLOSE	FRESH KILLS - 345KV BKR. 1 - COMPRESSOR REPAIR	5	10/14/2007	40371	40371	12.0	10/10/2007
FACILITY Long Description:	GC	**0007375453**	CLOSE	GAS CALL- BKR 1	2	10/2/2007	81952	81952	0.0	10/2/2007
FACILITY Long Description:	CMP-0	**0007341496**	CLOSE	0500-28 BKR WINTERIZATION INSP 1	4	10/1/2007	MAXADMIN	40371	2.0	12/10/2007
FACILITY Long Description:	ALARM	**0007276380**	CLOSE	FRESH KILLS - BKR #1 - ALARM POLE NOT CLOSED	5	9/10/2007	40371	40371	4.0	9/6/2007
FACILITY Long Description:	GC	**0007111805**	CLOSE	GAS CALL- BKR 1	2	7/5/2007	81952	81952	0.0	7/5/2007
FACILITY Long Description:	GC	**0007032871**	CLOSE	GAS CALL- BKR 1	2	6/17/2007	81952	81952	0.0	6/17/2007
FACILITY Long Description:	GC	**0006933829**	CLOSE	GAS CALL- BKR 1	2	5/14/2007	81952	81952	0.0	5/14/2007
FACILITY Long Description: **5 receivers X 2 hrs.= 10 hours @ 1 person**	CMP	**0006900819**	CLOSE	0500-17 - FKIL345 BKR 1 AIR RECEIVER INSPECT.	2	5/1/2007	MAXADMIN	40371	2.0	5/25/2007
FACILITY Long Description:	GC	**0006812343**	CLOSE	GAS CALL- BKR 1	2	4/14/2007	03332	03332	0.0	4/14/2007

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MAXIMO REPORT: EQUIPMENT HISTORY

Station: FRESH KILLS 345 **Equipment: BKR-0003057** **FKIL345-BKR 1 **RETIRED****

RESP AREA	WORK TYPE	WORK NUMBER	STATUS	DESCRIPTION	PRTY	REPORT DATE	REPORTED BY	SUPV	HRS	ACTUAL FINISH
FACILITY Long Description:	GC	**0006807320**	CLOSE	GAS CALL- BKR 1	2	4/9/2007	81952	81952	0.0	4/9/2007
FACILITY Long Description:	CMP	**0006651949**	CLOSE	0500-28 SUMMERIZATION INSP BKR 1	2	3/1/2007	MAXADMIN	40371	2.0	4/16/2007
FACILITY Long Description:	GC	**0006577735**	CLOSE	GAS CALL- BKR 1	2	2/21/2007	16933	16933	0.0	2/21/2007
FACILITY Long Description:	GC	**0006516049**	CLOSE	GAS CALL- BKR 1	2	1/31/2007	81952	81952	0.0	1/31/2007
FACILITY Long Description:	GC	**0006497379**	CLOSE	GAS CALL- BKR 1	2	1/30/2007	81952	81952	0.0	1/30/2007
FACILITY Long Description:	GC	**0006495997**	CLOSE	GAS CALL- BKR 1	2	1/29/2007	81952	81952	0.0	1/29/2007
FACILITY Long Description:	CM	**0006491464**	CLOSE	FRESH KILLS - BKR. 1 POLE 5 AIR LEAK IN HEAD - ATTACH AIRLINE (TANKER)	3	1/28/2007	40371	40371	8.0	1/26/2007
FACILITY Long Description:	GC	**0006490977**	CLOSE	GAS CALL- BKR 1	2	1/27/2007	81952	81952	0.0	1/27/2007
FACILITY Long Description:	GC	**0006465106**	CLOSE	GAS CALL- BKR 1	2	1/16/2007	85684	85684	0.0	1/16/2007
FACILITY Long Description: **5 receivers X 2 hrs.= 10 hours @ 1 person**	CMP	**0006231727**	CLOSE	0500-17 - FKIL345 BKR 1 AIR RECEIVER INSPECT.	2	11/1/2006	MAXADMIN	00422	2.0	12/23/2006
FACILITY Long Description:	GC	**0006156767**	CLOSE	GAS CALL- BKR 1	2	10/13/2006	44597	44597	0.0	10/13/2006
FACILITY Long Description:	GC	**0006144697**	CLOSE	GAS CALL- BKR 1	2	10/3/2006	16933	16933	0.0	10/3/2006
FACILITY Long Description:	CMP	**0006095535**	CLOSE	0500-17 ANNUAL COMPRESSOR BKR 1 COMP2	2	9/30/2006	MAXADMIN	40371	2.0	11/19/2006
FACILITY Long Description:	CMP	**0006095500**	CLOSE	0500-17 ANNUAL COMPRESSOR BKR 1 COMP1	2	9/30/2006	MAXADMIN	40371	2.0	11/19/2006

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MAXIMO REPORT: EQUIPMENT HISTORY

Station: FRESH KILLS 345 **Equipment: BKR-0003057** **FKIL345-BKR 1 **RETIRED****

RESP AREA	WORK TYPE	WORK NUMBER	STATUS	DESCRIPTION	PRTY	REPORT DATE	REPORTED BY	SUPV	HRS	ACTUAL FINISH
FACILITY	CMP	**0006077461**	CLOSE	0500-28 BKR WINTERIZATION INSP 1	2	9/30/2006	MAXADMIN	40371	2.0	11/18/2006
Long Description:										
FACILITY	GC	**0006063695**	CLOSE	GAS CALL- BKR 1	2	9/26/2006	85684	85684	0.0	9/26/2006
Long Description:										
FACILITY	GC	**0005773134**	CLOSE	GAS CALL- BKR 1	2	6/28/2006	44597	44597	0.0	6/28/2006
Long Description:										
FACILITY	GC	**0005726909**	CLOSE	GAS CALL- BKR 1	2	6/6/2006	44597	44597	0.0	6/6/2006
Long Description:										
FACILITY	CMP	**0005597976**	CLOSE	0500-17 - FKIL345 BKR 1 AIR RECEIVER INSPECT.	2	5/1/2006	MAXADMIN	40371	1.5	5/21/2006
Long Description:	**5 receivers X 2 hrs.= 10 hours @ 1 person**									
FACILITY	GC	**0005540284**	CLOSE	GAS CALL- BKR 1	2	4/21/2006	44597	44597	0.0	4/21/2006
Long Description:										
FACILITY	CMP	**0005342107**	CLOSE	0500-28 BKR SUMMERIZATION INSP 1	2	2/28/2006	MAXADMIN	40371	2.0	5/1/2006
Long Description:										
FACILITY	CM	**0005295975**	CLOSE	SF6 GAS BOTTLE PRESSURE GAUGE IS DEFECTIVE - HIGH TEMP ALARM	3	2/20/2006	44597	40371	20.0	3/8/2006
Long Description:	**INSIDE SF6 GAS CABINET**									
FACILITY	GC	**0005295733**	CLOSE	GAS CALL- BKR 1	2	2/19/2006	44597	44597	0.0	2/19/2006
Long Description:										
FACILITY	GC	**0005247188**	CLOSE	GAS CALL- BKR 1	2	2/2/2006	17221	16933	0.0	2/2/2006
Long Description:										
FACILITY	GC	**0005060124**	CLOSE	GAS CALL- BKR 1	2	12/13/2005	44597	44597	0.0	12/13/2005
Long Description:										
FACILITY	SUPT	**0000350429**	CLOSE	BKR- 1 (DT) - PREP WORK - TEST EQUIPT.	2	11/9/2005	40371	40371	12.0	11/19/2005
Long Description:										
FACILITY	CMP	**0000345814**	CLOSE	0500-17 - FKIL345 BKR 1 AIR RECEIVER INSPECT.	2	10/28/2005	PMWOGEN	40371	2.0	11/6/2005
Long Description:	**5 receivers X 2 hrs.= 10 hours @ 1 person**									

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MAXIMO REPORT: EQUIPMENT HISTORY

Station: FRESH KILLS 345 **Equipment: BKR-0003057** **FKIL345-BKR 1 **RETIRED****

RESP AREA	WORK TYPE	WORK NUMBER	STATUS	DESCRIPTION	PRTY	REPORT DATE	REPORTED BY	SUPV	HRS	ACTUAL FINISH
FACILITY	GC	**0000345560**	CLOSE	GAS CALL- BKR 1	2	10/28/2005	44597	44597	0.0	10/28/2005
Long Description:										
FACILITY	GC	**0000342761**	CLOSE	GAS CALL- BKR 1	2	10/4/2005	44597	44597	0.0	10/4/2005
Long Description:										
FACILITY	CMP	**0000339780**	CLOSE	0500-17 ANNUAL COMPRESSOR BKR 1 COMP2	2	9/25/2005	PMWOGEN	40371	2.0	11/4/2005
Long Description:										
FACILITY	CMP	**0000339779**	CLOSE	0500-17 ANNUAL COMPRESSOR BKR 1 COMP1	2	9/25/2005	PMWOGEN	40371	3.0	11/6/2005
Long Description:										
FACILITY	DT	**0000332035**	CLOSE	BKR- 1 (DT)	2	8/8/2005	40371	40371	193.0	11/20/2005
Long Description:										
FACILITY	GC	**0000331842**	CLOSE	GAS CALL- BKR 1	2	8/6/2005	03332	03332	0.0	8/6/2005
Long Description:										
FACILITY	CMP	**0000312927**	CLOSE	0500-17 - FKIL345 BKR 1 AIR RECEIVER INSPECT.	4	5/2/2005	19093	40371	2.0	5/15/2005
Long Description:	**5 receivers X 2 hrs.= 10 hours @ 1 person**									
FACILITY	GC	**0000312330**	CLOSE	GAS CALL- BKR 1	2	4/29/2005	16933	16933	0.0	4/29/2005
Long Description:										
FACILITY	CM	**0000311858**	CLOSE	F.K. BKR. 1 - REPLACE SF6 VALVE	3	4/25/2005	40371	40371	2.0	4/28/2005
Long Description:										
FACILITY	GC	**0000310557**	CLOSE	GAS CALL- BKR 1	2	4/12/2005	16933	16933	0.0	4/12/2005
Long Description:										
FACILITY	CMP	**0000307885**	CLOSE	0500-02 DEW POINT TESTING -BKR 1	4	3/25/2005	PMWOGEN	40371	0.0	6/19/2005
Long Description:										
FACILITY	CM	**0000303356**	CLOSE	FRESWH KILLS - BKR. 1 - CT WIRING TROUGH N.G.	4	3/6/2005	40371	40371	97.0	11/18/2005
Long Description:	**C.T. trays running between poles and to control cabinet are rotting away - run new 2" conduit and install new wiring.**									
FACILITY	CMP	**0000299354**	CLOSE	0500-28 BKR SUMMERIZATION INSP 1	4	2/25/2005	PMWOGEN	40371	1.5	5/13/2005
Long Description:										

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MAXIMO REPORT: EQUIPMENT HISTORY

Station: FRESH KILLS 345 **Equipment: BKR-0003057** **FKIL345-BKR 1 **RETIRED****

RESP AREA	WORK TYPE	WORK NUMBER	STATUS	DESCRIPTION	PRTY	REPORT DATE	REPORTED BY	SUPV	HRS	ACTUAL FINISH
FACILITY	CM	**0000297638**	CLOSE	FRESH KILLS - BKR 1 - EXCESSIVE RUNNING ALARM	3	2/13/2005	40371	40371	4.0	2/15/2005
Long Description:	**changed out b phase compressor reactivation timer**									
FACILITY	GC	**0000296664**	CLOSE	GAS CALL- BKR 1	2	2/2/2005	03332	03332	0.0	2/2/2005
Long Description:										
FACILITY	FM	**0000281593**	CLOSE	FRESH KILLS - BKR. 1 - CONTROL CABINET WIRE TROUGH	5	11/21/2004	40371	40371	8.0	11/21/2004
Long Description:	**wire trough seperated from control cabinet - fabricated supports and bolted together.**									
FACILITY	CMP	**0000277820**	CLOSE	0500-17 - FKIL345 BKR 1 AIR RECEIVER INSPECT.	4	10/25/2004	PMWOGEN	40371	2.0	11/14/2004
Long Description:	**5 receivers X 2 hrs.= 10 hours @ 1 person**									
FACILITY	CMP	**0000277810**	CLOSE	0500-28 BKR WINTERIZATION INSP 1	4	10/25/2004	PMWOGEN	40371	1.5	12/5/2004
Long Description:										
FACILITY	GC	**0000276186**	CLOSE	GAS CALL- BKR 1	2	10/6/2004	44597	44597	0.0	10/6/2004
Long Description:										
FACILITY	CMP	**0000273071**	CLOSE	0500-17 ANNUAL COMPRESSOR BKR 1 COMP2	4	9/25/2004	PMWOGEN	40371	4.0	10/15/2004
Long Description:										
FACILITY	CMP	**0000273070**	CLOSE	0500-17 ANNUAL COMPRESSOR BKR 1 COMP1	4	9/25/2004	PMWOGEN	40371	4.0	11/21/2004
Long Description:										
FACILITY	GC	**0000259358**	CLOSE	GAS CALL- BKR 1	2	6/10/2004	44597	44597	4.0	6/10/2004
Long Description:										
FACILITY	CM	**0000259040**	CLOSE	BKR 1 GAS CABINET - HEATER NOT WORKING	4	6/6/2004	03332	40371	10.0	6/20/2004
Long Description:										
FACILITY	CMP	**0000252164**	CLOSE	0500-17 - FKIL345 BKR 1 AIR RECEIVER INSPECT.	4	4/25/2004	PMWOGEN	40371	4.0	5/30/2004
Long Description:	**5 receivers X 2 hrs.= 10 hours @ 1 person**									
FACILITY	CMP	**0000249817**	CLOSE	0500-02 DEW POINT TESTING -BKR 1	4	3/25/2004	PMWOGEN	40371	0.0	6/25/2004
Long Description:										
FACILITY	CMP	**0000244026**	CLOSE	0500-28 BKR SUMMERIZATION INSP 1	4	2/28/2004	PMWOGEN	40371	1.5	4/12/2004
Long Description:										

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MAXIMO REPORT: EQUIPMENT HISTORY

Station: FRESH KILLS 345 **Equipment: BKR-0003057** **FKIL345-BKR 1 **RETIRED****

RESP AREA	WORK TYPE	WORK NUMBER	STATUS	DESCRIPTION	PRTY	REPORT DATE	REPORTED BY	SUPV	HRS	ACTUAL FINISH
FACILITY Long Description:	GC	**0000243023**	CLOSE	GAS CALL- BKR 1	2	2/18/2004	44597	44597	0.0	2/18/2004
FACILITY Long Description:	GC	**0000242329**	CLOSE	GAS CALL- BKR 1	2	2/4/2004	16933	16933	0.0	2/4/2004
FACILITY Long Description:	GC	**0000240067**	CLOSE	GAS CALL- BKR 1	2	1/21/2004	49417	49417	0.0	1/21/2004
FACILITY Long Description: **5 receivers X 2 hrs.= 10 hours @ 1 person**	CMP	**0000230606**	CLOSE	0500-17 - FKIL345 BKR 1 AIR RECEIVER INSPECT.	4	10/30/2003	PMWOGEN	40371	1.5	2/15/2004
FACILITY Long Description:	GC	**0000227647**	CLOSE	GAS CALL- BKR 1	2	10/13/2003	44597	44597	0.0	10/13/2003
FACILITY Long Description:	GC	**0000226388**	CLOSE	GAS CALL- BKR 1	2	10/1/2003	74840	74840	0.0	10/1/2003
FACILITY Long Description:	CMP	**0000225966**	CLOSE	0500-17 ANNUAL COMPRESSOR BKR 1 COMP2	4	9/30/2003	49657	40371	1.0	2/22/2004
FACILITY Long Description:	CMP	**0000225965**	CLOSE	0500-17 ANNUAL COMPRESSOR BKR 1 COMP1	4	9/30/2003	49657	40371	1.5	2/22/2004
FACILITY Long Description:	GC	**0000220136**	CLOSE	GAS CALL- BKR 1	2	8/14/2003	74840	74840	0.0	8/14/2003
FACILITY Long Description:	GC	**0000214134**	CLOSE	GAS CALL- BKR 1	2	6/30/2003	44597	44597	0.0	6/30/2003
FACILITY Long Description:	GC	**0000211224**	CLOSE	GAS CALL- BKR 1	2	6/2/2003	49417	49417	0.0	6/2/2003
FACILITY Long Description: **5 receivers X 2 hrs.= 10 hours @ 1 person**	CMP	**0000206952**	CLOSE	0500-17 - FKIL345 BKR 1 AIR RECEIVER INSPECT.	2	5/1/2003	40371	83932	2.0	6/3/2003
FACILITY Long Description:	CMP	**0000206787**	CLOSE	0500-28 BKR SUMM/WINT INSP 1	2	5/1/2003	40371	81886	2.0	5/22/2003
FACILITY Long Description:	GC	**0000204685**	CLOSE	GAS CALL- BKR 1	2	4/10/2003	74840	74840	0.0	4/10/2003

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MAXIMO REPORT: EQUIPMENT HISTORY

Station: FRESH KILLS 345 **Equipment: BKR-0003057** **FKIL345-BKR 1 **RETIRED****

RESP AREA	WORK TYPE	WORK NUMBER	STATUS	DESCRIPTION	PRTY	REPORT DATE	REPORTED BY	SUPV	HRS	ACTUAL FINISH
FACILITY	CMP	**0000203852**	CLOSE	0500-02 DEW POINT TESTING -BKR 1	2	4/1/2003	40371		0.0	5/25/2003
Long Description:										
FACILITY	GC	**0000198213**	CLOSE	GAS CALL- BKR 1	2	2/27/2003	16933	16933	0.0	2/27/2003
Long Description:										
FACILITY	GC	**0000194372**	CLOSE	GAS CALL- BKR 1	2	1/24/2003	51272		0.0	1/24/2003
Long Description:										
FACILITY	GC	**0000194371**	CLOSE	GAS CALL- BKR 1	2	1/24/2003	51272		0.0	1/24/2003
Long Description:										
FACILITY	GC	**0000189954**	CLOSE	GAS CALL- BKR 1	2	12/17/2002	19093		0.0	12/18/2002
Long Description:										
FACILITY	CMP	**0000184215**	CLOSE	0500-17 - FKIL345 BKR 1 AIR RECEIVER INSPECT.	2	11/1/2002	40371	52581	4.0	12/4/2002
Long Description:	**5 receivers X 2 hrs.= 10 hours @ 1 person**									
FACILITY	CMP	**0000184206**	CLOSE	0500-28 BKR SUMM/WINT INSP 1	2	11/1/2002	40371	52581	1.5	11/8/2002
Long Description:										
FACILITY	GC	**0000180247**	CLOSE	GAS CALL- BKR 1	2	10/14/2002	19093		0.0	10/15/2002
Long Description:										
FACILITY	CM	**0000180245**	CLOSE	FRESH KILLS 345KV BKR.#1 C PHASE CABINET DOOR HANDLE	4	10/14/2002	16933	52581	44.0	10/22/2002
Long Description:	**345 kv Bkr.#1 C phase door handle is very hard to operate. It needs to be adjusted. I could not get it to close, so right now it is open.**									
FACILITY	CMP	**0000177944**	CLOSE	0500-17 ANNUAL COMPRESSOR BKR 1 COMP2	2	10/1/2002	40371	52581	8.0	10/11/2002
Long Description:										
FACILITY	CMP	**0000177943**	CLOSE	0500-17 ANNUAL COMPRESSOR BKR 1 COMP1	2	10/1/2002	40371	52581	8.0	10/11/2002
Long Description:										
FACILITY	CMP	**0000160391**	CLOSE	0500-28 BKR SUMM/WINT INSP 1	2	5/1/2002	40371	52581	1.5	6/3/2002
Long Description:										
FACILITY	CMP	**0000156139**	CLOSE	0500-02 DEW POINT TESTING -BKR 1	2	4/2/2002	40371		0.0	6/12/2002
Long Description:										

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MAXIMO REPORT: EQUIPMENT HISTORY

Station: FRESH KILLS 345 **Equipment: BKR-0003057** **FKIL345-BKR 1 **RETIRED****

RESP AREA	WORK TYPE	WORK NUMBER	STATUS	DESCRIPTION	PRTY	REPORT DATE	REPORTED BY	SUPV	HRS	ACTUAL FINISH
FACILITY	GC	**0000156029**	CLOSE	GAS CALL- BKR 1	2	4/1/2002	19093		0.0	4/2/2002
Long Description:										
FACILITY	CM	**0000156021**	CLOSE	BKR 1 B PHASE AIR COMPRESSOR A/C FEED LIGHT	4	4/1/2002	49417	52581	1.0	4/8/2002
Long Description:	**A/C FEED LIGHT SHORTING OUT...NEED NEW 220V SOCKET 4-3-02 replaced with a 220 bulb B.Amtzis**									
FACILITY	CM	**0000156019**	CLOSE	BKR.1 A PHASE COMPRESSOR A/C FEED LIGHT	9	4/1/2002	49417	52581	1.0	4/23/2002
Long Description:	**A/C FEED LIGHT SHORTING OUT...NEW 220V SOCKET NEEDED**									
	Replaced with new socket.									
FACILITY	CMP	**0000135146**	CLOSE	0500-28 BKR SUMM/WINT INSP 1	9	10/29/2001	40371	52581	2.0	11/2/2001
Long Description:	**10-31-01 JOB COMPLETED T COOHILL**									
FACILITY	GC	**0000132360**	CLOSE	GAS CALL- BKR 1	1	10/6/2001	28920		0.0	10/7/2001
Long Description:										
FACILITY	CMP	**0000128844**	CLOSE	0500-17 ANNUAL COMPRESSOR BKR 1 COMP1	9	9/20/2001	40371	52581	16.0	10/22/2001
Long Description:	**10-15-01 JOB COMPLETETD B. AMTZIS**									
FACILITY	CMP	**0000128843**	CLOSE	0500-17 ANNUAL COMPRESSOR BKR 1 COMP2	9	9/20/2001	40371	52581	8.0	10/1/2001
Long Description:										
FACILITY	GC	**0000121696**	CLOSE	GAS CALL- BKR 1	1	7/23/2001	03332		0.0	7/24/2001
Long Description:										
FACILITY	CMP	**0000112137**	CLOSE	0500-28 BKR SUMM/WINT INSP 1	9	5/1/2001	40371	16791	3.0	6/11/2001
Long Description:										
FACILITY	CMP	**0000106629**	CLOSE	0500-02 DEW POINT TESTING -BKR 1	1	4/2/2001	40371	16791	0.5	6/25/2001
Long Description:										
FACILITY	GC	**0000106316**	CLOSE	GAS CALL- BKR 1	1	3/31/2001	03332		0.0	4/2/2001
Long Description:										
FACILITY	GC	**0000095418**	CLOSE	GAS CALL- BKR 1	1	1/20/2001	74840		0.0	1/22/2001
Long Description:										

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MAXIMO REPORT: EQUIPMENT HISTORY

Station: FRESH KILLS 345 **Equipment: BKR-0003057** **FKIL345-BKR 1 **RETIRED****

RESP AREA	WORK TYPE	WORK NUMBER	STATUS	DESCRIPTION	PRTY	REPORT DATE	REPORTED BY	SUPV	HRS	ACTUAL FINISH
FACILITY	CM	**0000093485**	CLOSE	FRESH KILLS S/S - BKR. #1 - COMPRESSOR	9	1/5/2001	40371	49657	16.0	1/5/2001
Long Description:	**REPLACE VALVES AND PRESSURE TEST - REPAIR COMPRESSOR**									
FACILITY	CMP	**0000092498**	CLOSE	0500-02 DEW POINT TESTING -BKR 1	1	12/31/2000	40371	16791	0.5	2/17/2001
Long Description:										
FACILITY	GC	**0000089530**	CLOSE	GAS CALL- BKR 1	2	12/20/2000	19093		0.0	2/10/2003
Long Description:										
FACILITY	CM	**0000087902**	CLOSE	BKR 1 C PHASE GAS VALVE CABINET DOOR HANDLE JAMMED	9	12/12/2000	85795	49657	22.0	1/9/2001
Long Description:										
FACILITY	GC	**0000085081**	CLOSE	FKIL345-GAS CALL ACB/ATB5AY 1	1	11/17/2000	03332		0.0	11/20/2000
Long Description:										
FACILITY	CMP	**0000078465**	CLOSE	0500-28 BKR SUMM/WINT INSP 1	9	10/31/2000	40371	49657	1.5	11/6/2000
Long Description:										
FACILITY	GC	**0000077725**	CLOSE	FKIL345-GAS CALL ACB/ATB5AY 1	1	10/23/2000	44597		0.0	10/24/2000
Long Description:										
FACILITY	CMP	**0000074628**	CLOSE	0500-17 ANNUAL COMPRESSOR BKR 1 COMP1	9	9/28/2000	40371	49657	6.0	10/18/2000
Long Description:										
FACILITY	CMP	**0000074627**	CLOSE	0500-17 ANNUAL COMPRESSOR BKR 1 COMP2	9	9/28/2000	40371	49657	6.0	10/18/2000
Long Description:										
FACILITY	CMP	**0000074619**	CLOSE	0500-02 DEW POINT TESTING -BKR 1	1	9/28/2000	40371	49657	2.0	12/19/2000
Long Description:										
FACILITY	CMP	**0000069602**	CLOSE	0500-02 DEW POINT TESTING -BKR 1	1	8/10/2000	40371	49657	2.0	8/8/2000
Long Description:	**WORKING WITH CHEM LAB TAKING SAMPLES**									
FACILITY	CM	**0000067297**	CLOSE	FRESH KILLS S/S - AIR COMPRESSOR REPLACEMENT	9	7/14/2000	40371	49657	114.0	7/20/2000
Long Description:	**WORKED ON REPLACING AIR COMPRESSOR BRK1 @ FK.**									
FACILITY	CMP	**0000064954**	CLOSE	0500-02 DEW POINT TESTING -BKR 1	1	6/26/2000	40371		0.0	7/25/2000
Long Description:	**on 7/24/00 supervisor P.Vieira informs me that this was completed sometime ago - no date given**									

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MAXIMO REPORT: EQUIPMENT HISTORY

Station: FRESH KILLS 345 **Equipment: BKR-0003057** **FKIL345-BKR 1 **RETIRED****

RESP AREA	WORK TYPE	WORK NUMBER	STATUS	DESCRIPTION	PRTY	REPORT DATE	REPORTED BY	SUPV	HRS	ACTUAL FINISH
FACILITY	EM	**0000064007**	CLOSE	FRESH KILLS S/S - BREAKER #1 - HI-POT	9	6/13/2000	40371		112.0	6/13/2000
Long Description:	**breaker #1 345kv - air leak into gas - high oxygen into the gas. Installed column gas isolation kit. Problem wtih c phase column #1. Breaker taken out of service on category 1 emergency. Will have to remove interrupter to trouble problem more.** **Sub work order for Asm department to set up hi pot set** **06/13/00 WE SET UP THE BARRELS & PERFORMED A HI-POT ON THIS BREAKER. WORK WAS COMPLETED.**									
FACILITY	EM	**0000063617**	CLOSE	FRESH KILLS S/S - BREAKER #1	9	6/8/2000	40371	49657	481.0	7/19/2000
Long Description:	**breaker #1 345kv - air leak into gas - high oxygen into the gas. Installed column gas isolation kit. Problem wtih c phase column #1. Breaker taken out of service on category 1 emergency. Will have to remove interrupter to trouble problem more.**									
FACILITY	OH	**0000063606**	CLOSE	FKIL345- BKR 1 (OH)	1	6/8/2000	40371		0.0	6/8/2000
Long Description:	**breaker #1 345kv - air leak into gas - high oxygen into the gas. Installed column gas isolation kit. Problem wtih c phase column #1. Breaker taken out of service on category 1 emergency. Will have to remove interrupter to trouble problem more.**									
AUXSUP	DT	**0000061706**	CLOSE	FKIL345- BKR 1 AFTER OVERHAUL HIPOT	1	5/23/2000	49436	39934	46.0	3/22/2001
Long Description:	**As per test letter** **05/22/00 WE WENT TO SET UP BARREL MODULE SET AND DO THE HI- POT. WHILE WAITING FOR THE MECHANICS TO MEGA THE BREAKER & A CHEMIST TO CHECK THE MOISTURE IN THE S.F.6 GAS,WE HAD TO CANCEL THE HI-POT BECAUSE OF HEAVY RAIN.** **05/23/00 WE COMPLETED THE HI-POT AND BROKE DOWN THE BARRELS WE GOT .3MA READINGS AT THE START AND FINISH. WORK WAS COMPLETED.**									
FACILITY	OH	**0000060230**	CLOSE	FRESH KILLS S/S - BKR. 1 - 345KV - TRAINING	9	5/8/2000	40371	49657	307.0	7/21/2000
Long Description:	**new employees - training on overhauling of bkr 1.**									
FACILITY	CM	**0000057444**	CLOSE	FRESH KILL S/S - BKR 1 345KV - COMPRESSOR	9	4/14/2000	40371	49657	16.0	4/11/2000
Long Description:	**rebuild a phase compressor**									
FACILITY	CMP	**0000056908**	CLOSE	0500-02-SF6 DEWPOINTS 1 BKR	1	4/7/2000	40371	49657	1.0	4/6/2000
Long Description:										
FACILITY	OH	**0000056778**	CLOSE	FKIL345- BKR 1 (OH)	1	4/6/2000	40371		2378.0	7/19/2000
Long Description:										

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MAXIMO REPORT: EQUIPMENT HISTORY

Station: FRESH KILLS 345 **Equipment: BKR-0003057** **FKIL345-BKR 1 **RETIRED****

RESP AREA	WORK TYPE	WORK NUMBER	STATUS	DESCRIPTION	PRTY	REPORT DATE	REPORTED BY	SUPV	HRS	ACTUAL FINISH
FACILITY	GC	**0000054159**	CLOSE	FKIL345-GAS CALL ACB/ATB5AY 1	1	3/17/2000	03332		0.0	3/27/2000
Long Description:										
FACILITY	CM	**0000047702**	CLOSE	FRESH KILLS S/S - 345KV BKR #1 - AIR LEAK	9	1/21/2000	40371	49657	23.0	6/8/2000
Long Description:	**AIR LEAK - POLE 6, HOOKED UP AIR TANKER. TROUBLE SHOOTING LEAK, WENT INTO POLE 6 AND PUT PRESSURE ON INDICATION ROD (CONTROL ROD) AIR LEAK WENT FROM 240PSI TO 20 PSI.**									
FACILITY	CM	**0000045415**	CLOSE	FRESH KILLS S/S - 345KV BKR #1	9	1/1/2000	40371	49657	14.0	6/8/2000
Long Description:	**AIR LEAK POLE 6 A PHASE COMPRESSOR - REBUILT A PHASE COMPRESSOR, 1ST, 3RD, 4TH STAGES**									
FACILITY	GC	**0000044960**	CLOSE	FKIL345-GAS CALL ACB/ATB5AY 1	1	12/26/1999	49417		0.0	1/6/2000
Long Description:										
FACILITY	GC	**0000044615**	CLOSE	FKIL345-GAS CALL ACB/ATB5AY 1	1	12/16/1999	49417		0.0	12/22/1999
Long Description:										
FACILITY	CMP	**0000040747**	CLOSE	0500-02-SF6 DEWPOINTS 1 BKR	1	11/10/1999	40371	49657	1.0	11/9/1999
Long Description:										
FACILITY	CMP	**0000039251**	CLOSE	0500-28 WINTERIZATION (FKIL345) BKR-1	9	10/28/1999	40371	49657	2.0	10/26/1999
Long Description:										
FACILITY	GC	**0000036646**	CLOSE	FKIL345-GAS CALL ACB/ATB5AY 1	1	10/9/1999	49417		0.0	10/12/1999
Long Description:										
FACILITY	GC	**0000035879**	CLOSE	FKIL345-GAS CALL ACB/ATB5AY 1	1	10/4/1999	49417		0.0	10/8/1999
Long Description:										
FACILITY	CM	**0000031049**	CLOSE	FRESH KILLS SF5 GAS CABINET HEATER N.G.BKR #1	9	8/23/1999	15321	49657	2.0	10/26/1999
Long Description:										
FACILITY	GC	**0000031013**	CLOSE	FKIL345-GAS CALL ACB/ATB5AY 1	1	8/22/1999	15321		0.0	9/3/1999
Long Description:										
FACILITY	SR	**0000027534**	CLOSE	FRESH KILLS S/S BKR 1 POLE 2 AIR COMPRESSOR	9	7/20/1999	05602	48335	9.0	7/19/1999
Long Description:	**replaced defective check valve on dryer.**									
FACILITY	CM	**0000027309**	CLOSE	FK, BKR 1 DRAIN CONDENSATE SUMP	9	7/19/1999	05602	71685	10.0	7/19/1999
Long Description:										

Redacted

MAXIMO REPORT: EQUIPMENT HISTORY

Station: FRESH KILLS 345 **Equipment: BKR-0003057** **FKIL345-BKR 1 **RETIRED****

RESP AREA	WORK TYPE	WORK NUMBER	STATUS	DESCRIPTION	PRTY	REPORT DATE	REPORTED BY	SUPV	HRS	ACTUAL FINISH
FACILITY	GC	**0000024557**	CLOSE	FKIL345-GAS CALL ACB/ATB5AY 1	1	6/25/1999	51272		0.0	7/1/1999
Long Description:										
FACILITY	GC	**0000023055**	CLOSE	FKIL345-GAS CALL ACB/ATB5AY 1	1	6/10/1999	49417		0.0	6/11/1999
Long Description:										
FACILITY	GC	**0000019134**	CLOSE	FKIL345-GAS CALL ACB/ATB5AY 1	1	5/19/1999	05602		14.0	12/24/2000
Long Description:										
FACILITY	CM	**0000014831**	CLOSE	FK/ BKR 1, POLE 2 & 3 COMPRESSER REPAIR	9	3/26/1999	05602	71685	8.0	3/25/1999
Long Description:	**pole 3 / rebuilt 1st stage head & cleaned cqbinet on both pole 2 & 3 units and added oil as needed**									
FACILITY	CM	**0000010584**	CLOSE	FK/ BKR 1 / INSTALL SNUBBER FITTING ON AIR COMP	9	1/28/1999	05602	71685	1.0	1/26/1999
Long Description:										
FACILITY	PM	**0000010235**	CLOSE	BKR 1, FRESH KILLS / SERVICE AIR COMP	9	1/25/1999	05602	71685	4.0	1/22/1999
Long Description:	**pole #2 added 1qt oil** **pole#3 added 4qt oil** **installed 3rd stage safety and 4th stage intake valves**									
FACILITY	CMP	**0000010069**	CLOSE	500-02-SF6 DEWPOINTS 1 BKR	1	1/21/1999	05602	71685	2.0	1/21/1999
Long Description:										
FACILITY	PM	**0000004432**	CLOSE	SERVICE COMPRESSER UNLOADER RESERVIORS	9	12/2/1998	05602	71685	0.0	12/1/1998
Long Description:	**Drain unloader reservior**									
FACILITY	CM	**0000003966**	CLOSE	REPLACE CIRCLE SEAL GAS VALVES / BKR 1 FK	9	11/9/1998	05602	71685	0.0	11/25/1998
Long Description:	**Valves leaking , replaced with new Parker needle valves.**									
FACILITY	CM	**0000003932**	CLOSE	Bkr # 1 / FK / Grd level leak check	9	11/6/1998	05602	71685	0.0	11/6/1998
Long Description:	**leaks found on circle seal valves /**									

150 total work order(s) having 4182.5 hours.

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MAXIMO REPORT: EQUIPMENT HISTORY

Station: FRESH KILLS 138 **Equipment: BKR-0003072** **FK 138- BKR BT1-2**

RESP AREA	WORK TYPE	WORK NUMBER	STATUS	DESCRIPTION	PRTY	REPORT DATE	REPORTED BY	SUPV	HRS	ACTUAL FINISH
FACILITY	CMP	**0008117019**	COMP	0500-17 - FK 138 BKR BT1-2 AIR RECEIVER INSPECT.	4	5/1/2008	MAXADMIN	00422	2.0	5/30/2008
Long Description: **5 receivers X 2 hrs.= 10 hours @ 1 person**										
FACILITY	CMP-0	**0007867841**	CLOSE	0500-28 BKR SUMMERIZATION INSP BT 1-2	4	2/8/2008	89260	40371	1.5	5/9/2008
Long Description:										
FACILITY	GC	**0007653411**	CLOSE	GAS CALL- BKR BT1-2	4	12/15/2007	03332	03332	0.0	12/15/2007
Long Description:										
FACILITY	GC	**0007570794**	CLOSE	GAS CALL- BKR BT1-2	4	11/21/2007	03332	03332	0.0	11/21/2007
Long Description:										
FACILITY	CMP	**0007527238**	CLOSE	0500-17 - FK 138 BKR BT1-2 AIR RECEIVER INSPECT.	4	11/1/2007	MAXADMIN	00422	2.0	4/18/2008
Long Description: **5 receivers X 2 hrs.= 10 hours @ 1 person**										
FACILITY	GC	**0007488409**	CLOSE	GAS CALL- BKR BT1-2	4	10/29/2007	81952	81952	0.0	10/29/2007
Long Description:										
FACILITY	DT	**0007376586**	APPR	BKR BT1-2 (DT)	4	10/3/2007	MAXADMIN		0.0	
Long Description:										
FACILITY	CMP-0	**0007343482**	CLOSE	0500-28 BKR WINTERIZATION INSP BT 1-2	4	10/1/2007	MAXADMIN	40371	2.0	11/4/2007
Long Description:										
FACILITY	GC	**0007113640**	CLOSE	GAS CALL- BKR BT1-2	2	7/7/2007	03332	03332	0.0	7/7/2007
Long Description:										
FACILITY	CMP	**0006900640**	CLOSE	0500-17 - FK 138 BKR BT1-2 AIR RECEIVER INSPECT.	2	5/1/2007	MAXADMIN	40371	1.5	5/20/2007
Long Description: **5 receivers X 2 hrs.= 10 hours @ 1 person**										
FACILITY	GC	**0006731577**	CLOSE	GAS CALL- BKR BT1-2	2	3/28/2007	81952	81952	0.0	3/28/2007
Long Description:										
FACILITY	GC	**0006686197**	CLOSE	GAS CALL- BKR BT1-2	2	3/3/2007	81952	81952	0.0	3/3/2007
Long Description:										
FACILITY	CMP	**0006651268**	CLOSE	0500-28 SUMMERIZATION INSP BKR BT 1-2	2	3/1/2007	MAXADMIN	40371	0.0	4/16/2007
Long Description:										

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MAXIMO REPORT: EQUIPMENT HISTORY

Station: FRESH KILLS 138 **Equipment: BKR-0003072** **FK 138- BKR BT1-2**

RESP AREA	WORK TYPE	WORK NUMBER	STATUS	DESCRIPTION	PRTY	REPORT DATE	REPORTED BY	SUPV	HRS	ACTUAL FINISH
FACILITY Long Description:	GC	**0006584236**	CLOSE	GAS CALL- BKR BT1-2	2	2/26/2007	81952	81952	0.0	2/26/2007
FACILITY Long Description:	GC	**0006579776**	CLOSE	GAS CALL- BKR BT1-2	2	2/23/2007	81952	81952	0.0	2/23/2007
FACILITY Long Description:	GC	**0006478879**	CLOSE	GAS CALL- BKR BT1-2	2	1/19/2007	81952	81952	0.0	1/19/2007
FACILITY Long Description:	OH	**0006355241**	APPR	FK 138- BKR BT1-2 (OH)	4	12/6/2006	40371		0.0	
FACILITY Long Description:	GC	**0006243509**	CLOSE	GAS CALL- BKR BT1-2	2	11/6/2006	03332	03332	0.0	11/6/2006
FACILITY Long Description: **5 receivers X 2 hrs.= 10 hours @ 1 person**	CMP	**0006232327**	CLOSE	0500-17 - FK 138 BKR BT1-2 AIR RECEIVER INSPECT.	2	11/1/2006	MAXADMIN	00422	2.0	12/23/2006
FACILITY Long Description:	GC	**0006171126**	CLOSE	GAS CALL- BKR BT1-2	2	10/25/2006	44597	44597	0.0	10/25/2006
FACILITY Long Description:	CMP	**0006076070**	CLOSE	0500-28 BKR WINTERIZATION INSP BT 1-2	2	9/30/2006	MAXADMIN	40371	2.0	10/29/2006
FACILITY Long Description:	GC	**0005858473**	CLOSE	GAS CALL- BKR BT1-2	2	7/21/2006	03332	03332	0.0	7/21/2006
FACILITY Long Description: **5 receivers X 2 hrs.= 10 hours @ 1 person**	CMP	**0005597781**	CLOSE	0500-17 - FK 138 BKR BT1-2 AIR RECEIVER INSPECT.	2	5/1/2006	MAXADMIN	40371	2.0	5/21/2006
FACILITY Long Description:	GC	**0005539647**	CLOSE	GAS CALL- BKR BT1-2	2	4/21/2006	44597	44597	0.0	4/21/2006
FACILITY Long Description:	CMP	**0005342297**	CLOSE	0500-28 BKR SUMMERIZATION INSP BT 1-2	2	2/28/2006	MAXADMIN	40371	2.0	5/1/2006
FACILITY Long Description:	INFO	**0005296784**	CLOSE	TEST	2	2/20/2006	17221	17221	0.0	2/20/2006

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MAXIMO REPORT: EQUIPMENT HISTORY

Station: FRESH KILLS 138 **Equipment: BKR-0003072** **FK 138- BKR BT1-2**

RESP AREA	WORK TYPE	WORK NUMBER	STATUS	DESCRIPTION	PRTY	REPORT DATE	REPORTED BY	SUPV	HRS	ACTUAL FINISH
FACILITY	GC	**0005199578**	CLOSE	GAS CALL- BKR BT1-2	2	1/31/2006	03332	03332	0.0	1/31/2006
Long Description:										
FACILITY	GC	**0005028492**	CLOSE	GAS CALL- BKR BT1-2	2	12/10/2005	44597	44597	0.0	12/10/2005
Long Description:										
FACILITY	CMP	**0000345841**	CLOSE	0500-17 - FK 138 BKR BT1-2 AIR RECEIVER INSPECT.	2	10/28/2005	PMWOGEN	40371	1.5	11/6/2005
Long Description:	**5 receivers X 2 hrs.= 10 hours @ 1 person**									
FACILITY	GC	**0000345542**	CLOSE	GAS CALL- BKR BT1-2	2	10/28/2005	44597	44597	0.0	10/28/2005
Long Description:										

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MAXIMO REPORT: EQUIPMENT HISTORY

Station: FRESH KILLS 138 **Equipment: BKR-0003072** **FK 138- BKR BT1-2**

RESP AREA	WORK TYPE	WORK NUMBER	STATUS	DESCRIPTION	PRTY	REPORT DATE	REPORTED BY	SUPV	HRS	ACTUAL FINISH
FACILITY	CM	**0000331318**	CLOSE	FRESH KILLS - BKR BT 1-2 - OUTAGE TO MAKE REPAIRS	5	8/3/2005	40371	40371	68.0	1/31/2008

Long Description: **Requesting for outage to retime and repair SF6 gas leak.**

Test department was asked by system to do load readings on all 138KV breakers, due to a dip on the system Tuesday night during rain storm. Test found on Bkr. BT1-2 - A phase open. Bkr. taken on on cat. #1 emergency. - Maintenace evacuating gas out of bkr. for entry inspection. Upon entry inspection found A phase fiberglass vertical rod defective (original OEM). Replaced all phases with new e-manufacture rods. Made adjustment and closed tanks. Pressure test and pulled vacuum. - filled SF6 gas, tested gas.
Testing - timing, velocity, power factor, micro-ohms, hi-pot.

Please perform the tests listed below after completing repairs to Fresh Kills Circuit Breaker BT1-2.

Refer to the Substation Operations Maintenance Instructions for Westinghouse 145CA-SP45, 138kV Circuit Breaker, #0700-1402/00, for testing details and acceptable results.

Tests
1) Microhm measurements: Refer to section 5.9, page 20.
2) SF-6 Gas Moisture Content, Dew Point & Hydrofluoride measurements: Refer to section 5.6a, page 16.
3) Timing and Velocity tests: Refer to section 5.7, page 18.
4) Power Factor Tests: Refer to section 5.8, page 20.
5) Insulation resistance (1kVDC for 1 minute), and dielectric proof test at 230KVDC for 5 Minutes: Refer to section 5.12, page 23.

STATION: FRESHKILLS
CURRENT
SCHEDULED PROJECTED
EQUIPMENT TYPE REASON OOS DATE RETURN RETURN DATE
BT1-2 WESTH OOE#1 7/24/02 11:55
DISCREPANCY OPEN "A" PHASE
STATUS AS OF 7/24/02
11:55 Bkr. BT1-2 was removed from service C/O OOE#1 due to PST reporting no current
was flowing through "A" phase – Sys. ops switch around breaker
Area Supv was on location
12:07 138Kv ring bus was closed
12:18 Alpha page was sent
14:50 Sta. Supv reported testing for HF was negative
Note: 12/8 shift will mobilized equipment and parts in preparation for entry and

Redacted

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MAXIMO REPORT: EQUIPMENT HISTORY

Station: FRESH KILLS 138 **Equipment: BKR-0003072** **FK 138- BKR BT1-2**

RESP AREA	WORK TYPE	WORK NUMBER	STATUS	DESCRIPTION	PRTY	REPORT DATE	REPORTED BY	SUPV	HRS	ACTUAL FINISH
				engineering inspection on the 7/3 shift CONTACT PERSON:						
FACILITY	GC	**0000315813**	CLOSE	GAS CALL- BKR BT1-2	2	5/18/2005	03332	03332	0.0	5/18/2005
Long Description:										
FACILITY	CMP	**0000312959**	CLOSE	0500-17 - FK 138 BKR BT1-2 AIR RECEIVER INSPECT.	4	5/2/2005	19093	40371	2.0	5/24/2005
Long Description:										
FACILITY	GC	**0000306200**	CLOSE	GAS CALL- BKR BT1-2	2	3/22/2005	03332	03332	0.0	3/22/2005
Long Description:										
FACILITY	CMP	**0000299384**	CLOSE	0500-28 BKR SUMMERIZATION INSP BT 1-2	4	2/25/2005	PMWOGEN	40371	1.5	5/15/2005
Long Description:										
FACILITY	GC	**0000298885**	CLOSE	GAS CALL- BKR BT1-2	2	2/25/2005	44597	44597	0.0	2/25/2005
Long Description:										
FACILITY	GC	**0000286757**	CLOSE	GAS CALL- BKR BT1-2	2	12/24/2004	44597	44597	0.0	12/24/2004
Long Description:										
FACILITY	ALARM	**0000286742**	CLOSE	FRESH KILLS - BT1-2 AIR & GAS ALARM	2	12/24/2004	40371	40371	16.0	12/27/2004
Long Description:										
FACILITY	GC	**0000279540**	CLOSE	GAS CALL- BKR BT1-2	2	10/28/2004	44597	44597	0.0	10/28/2004
Long Description:										
FACILITY	CMP	**0000277867**	CLOSE	0500-17 - FK 138 BKR BT1-2 AIR RECEIVER INSPECT.	4	10/25/2004	PMWOGEN	40371	2.0	11/14/2004
Long Description:										

Yesterday, our main concern was to return Fresh Kills Bkr BT1-2 to service in time for today's anticipated load demand.

Timing results were not perfect. Trip time was good (below 35ms), Closing was a little slow (159ms, max allowable 150), Trip Velocity too fast (31, acceptable range 17 -25 ft/sec). The velocity results may be attributed to the type of velocity transducer that was used. A rotary transducer was not available.

Please plan to re-time the breaker when the load conditions allow an outage. At that time plan to remove covers in order to lubricate the operating linkage, and to obtain a rotary transducer.

5 receivers X 2 hrs.= 10 hours @ 1 person

5 receivers X 2 hrs.= 10 hours @ 1 person

Redacted

MAXIMO REPORT: EQUIPMENT HISTORY

Station: FRESH KILLS 138 **Equipment: BKR-0003072** **FK 138- BKR BT1-2**

RESP AREA	WORK TYPE	WORK NUMBER	STATUS	DESCRIPTION	PRTY	REPORT DATE	REPORTED BY	SUPV	HRS	ACTUAL FINISH
FACILITY	CMP	**0000277842**	CLOSE	0500-28 BKR WINTERIZATION INSP BT 1-2	4	10/25/2004	PMWOGEN	40371	1.5	11/12/2004
Long Description:										
FACILITY	GC	**0000275824**	CLOSE	GAS CALL- BKR BT1-2	2	10/4/2004	44597	44597	0.0	10/4/2004
Long Description:										
FACILITY	CM	**0000259029**	CLOSE	FRESH KILLS - BKR. BT1-2 - AIR & GAS ALARM	2	6/6/2004	40371	40371	4.0	6/8/2004
Long Description:	**troubleshoot and repair air and gas alarm - tighten fitting and added gas to bkr.**									
FACILITY	GC	**0000254274**	CLOSE	GAS CALL- BKR BT1-2	2	5/9/2004	03332	03332	0.0	5/9/2004
Long Description:										
FACILITY	CMP	**0000252191**	CLOSE	0500-17 - FK 138 BKR BT1-2 AIR RECEIVER INSPECT.	4	4/25/2004	PMWOGEN	40371	2.0	6/6/2004
Long Description:	**5 receivers X 2 hrs.= 10 hours @ 1 person**									
FACILITY	GC	**0000251553**	CLOSE	GAS CALL- BKR BT1-2	2	4/18/2004	49417	49417	0.0	4/18/2004
Long Description:										
FACILITY	GC	**0000250571**	CLOSE	GAS CALL- BKR BT1-2	2	4/4/2004	44597	44597	0.0	4/4/2004
Long Description:										
FACILITY	GC	**0000248454**	CLOSE	GAS CALL- BKR BT1-2	2	3/20/2004	03332	03332	0.0	3/20/2004
Long Description:										
FACILITY	CM	**0000247921**	CLOSE	F.K. - BKR. BT1-2 - LOW AIR ALARM	3	3/14/2004	40371	40371	16.0	3/16/2004
Long Description:										
FACILITY	CMP	**0000244055**	CLOSE	0500-28 BKR SUMMERIZATION INSP BT 1-2	4	2/28/2004	PMWOGEN	40371	1.0	4/18/2004
Long Description:										
FACILITY	GC	**0000242176**	CLOSE	GAS CALL- BKR BT1-2	2	2/2/2004	44597	44597	0.0	2/2/2004
Long Description:										
FACILITY	GC	**0000237105**	CLOSE	GAS CALL- BKR BT1-2	2	12/21/2003	49417	49417	0.0	12/21/2003
Long Description:										
FACILITY	CM	**0000235336**	CLOSE	FRESH KILLS - BKR. BT1-2 REPAIR SF6 GAUGE	4	12/1/2003	40371	40371	4.0	12/4/2003
Long Description:	**had to replace with new gauge**									

Redacted

MAXIMO REPORT: EQUIPMENT HISTORY

Station: FRESH KILLS 138 **Equipment: BKR-0003072** **FK 138- BKR BT1-2**

RESP AREA	WORK TYPE	WORK NUMBER	STATUS	DESCRIPTION	PRTY	REPORT DATE	REPORTED BY	SUPV	HRS	ACTUAL FINISH
FACILITY	CMP	**0000230642**	CLOSE	0500-17 - FK 138 BKR BT1-2 AIR RECEIVER INSPECT.	4	10/30/2003	PMWOGEN	40371	2.0	3/28/2004
Long Description: **5 receivers X 2 hrs.= 10 hours @ 1 person**										
FACILITY	GC	**0000226390**	CLOSE	GAS CALL- BKR BT1-2	2	10/1/2003	74840	74840	0.0	10/1/2003
Long Description:										
FACILITY	GC	**0000210713**	CLOSE	GAS CALL- BKR BT1-2	2	6/1/2003	49417	49417	0.0	6/1/2003
Long Description:										
FACILITY	CMP	**0000206807**	CLOSE	0500-17 - FK 138 BKR BT1-2 AIR RECEIVER INSPECT.	2	5/1/2003	40371	40371	2.0	5/12/2003
Long Description: **5 receivers X 2 hrs.= 10 hours @ 1 person**										
FACILITY	CMP	**0000206794**	CLOSE	0500-28 BKR SUMM/WINT INSP BT 1-2	2	5/1/2003	40371	81886	2.0	5/22/2003
Long Description:										
FACILITY	CMP	**0000184240**	CLOSE	0500-17 - FK 138 BKR BT1-2 AIR RECEIVER INSPECT.	2	11/1/2002	40371	83932	2.0	12/22/2002
Long Description: **5 receivers X 2 hrs.= 10 hours @ 1 person**										
FACILITY	CMP	**0000184221**	CLOSE	0500-28 BKR SUMM/WINT INSP BT 1-2	2	11/1/2002	40371	52581	2.0	11/8/2002
Long Description:										

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MAXIMO REPORT: EQUIPMENT HISTORY

Station: FRESH KILLS 138 **Equipment: BKR-0003072** **FK 138- BKR BT1-2**

RESP AREA	WORK TYPE	WORK NUMBER	STATUS	DESCRIPTION	PRTY	REPORT DATE	REPORTED BY	SUPV	HRS	ACTUAL FINISH
PROTSYS	SR	**0000169567**	CLOSE	FRESH KILLS - BKR BT 1-2 - PST --DOBBLE TESTING	4	7/29/2002	40371		10.0	8/7/2002

Long Description: **Test department was asked by system to do load readings on all 138KV breakers, due to a dip on the system Tuesday night during rain storm. Test found on Bkr. BT1-2 - A phase open. Bkr. taken on on cat. #1 emergency. - Maintenace evacuating gas out of bkr. for entry inspection.**

Please perform the tests listed below after completing repairs to Fresh Kills Circuit Breaker BT1-2.

Refer to the Substation Operations Maintenance Instructions for Westinghouse 145CA-SP45, 138kV Circuit Breaker, #0700-1402/00, for testing details and acceptable results.

Tests
1) Microhm measurements: Refer to section 5.9, page 20.
2) SF-6 Gas Moisture Content, Dew Point & Hydrofluoride measurements: Refer to section 5.6a, page 16.
3) Timing and Velocity tests: Refer to section 5.7, page 18.
4) Power Factor Tests: Refer to section 5.8, page 20.
5) Insulation resistance (1kVDC for 1 minute), and dielectric proof test at 230KVDC for 5 Minutes: Refer to section 5.12, page 23.

STATION: FRESHKILLS
CURRENT
SCHEDULED PROJECTED
EQUIPMENT TYPE REASON OOS DATE RETURN RETURN DATE
BT1-2 WESTH OOE#1 7/24/02 11:55
DISCREPANCY OPEN "A" PHASE
STATUS AS OF 7/24/02
11:55 Bkr. BT1-2 was removed from service C/O OOE#1 due to PST reporting no current
was flowing through "A" phase -- Sys. ops switch around breaker
Area Supv was on location
12:07 138Kv ring bus was closed
12:18 Alpha page was sent
14:50 Sta. Supv reported testing for HF was negative
Note: 12/8 shift will mobilized equipment and parts in preparation for entry and engineering inspection on the 7/3 shift
CONTACT PERSON:

FACILITY	JUMP	**0000169498**	CLOSE	TEMPORARY JUMPER TAG # S23216	5	7/28/2002	16933		0.0	11/12/2002

Long Description:

Redacted

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MAXIMO REPORT: EQUIPMENT HISTORY

Station: FRESH KILLS 138 **Equipment: BKR-0003072** **FK 138- BKR BT1-2**

RESP AREA	WORK TYPE	WORK NUMBER	STATUS	DESCRIPTION	PRTY	REPORT DATE	REPORTED BY	SUPV	HRS	ACTUAL FINISH
FACILITY	EM	**0000169406**	CLOSE	FRESH KILLS - BKR BT 1-2 - OUT ON EMERGENCY	1	7/26/2002	40371	52581	398.0	8/6/2002

Long Description:

Test department was asked by system to do load readings on all 138KV breakers, due to a dip on the system Tuesday night during rain storm. Test found on Bkr. BT1-2 - A phase open. Bkr. taken on on cat. #1 emergency. - Maintenace evacuating gas out of bkr. for entry inspection. Upon entry inspection found A phase fiberglass vertical rod defective (original OEM). Replaced all phases with new e-manufacture rods. Made adjustment and closed tanks. Pressure test and pulled vacuum. - filled SF6 gas, tested gas.
Testing - timing, velocity, power factor, micro-ohms, hi-pot.

Please perform the tests listed below after completing repairs to Fresh Kills Circuit Breaker BT1-2.

Refer to the Substation Operations Maintenance Instructions for Westinghouse 145CA-SP45, 138kV Circuit Breaker, #0700-1402/00, for testing details and acceptable results.

Tests
1) Microhm measurements: Refer to section 5.9, page 20.
2) SF-6 Gas Moisture Content, Dew Point & Hydrofluoride measurements: Refer to section 5.6a, page 16.
3) Timing and Velocity tests: Refer to section 5.7, page 18.
4) Power Factor Tests: Refer to section 5.8, page 20.
5) Insulation resistance (1kVDC for 1 minute), and dielectric proof test at 230KVDC for 5 Minutes: Refer to section 5.12, page 23.

STATION: FRESHKILLS
CURRENT
SCHEDULED PROJECTED
EQUIPMENT TYPE REASON OOS DATE RETURN RETURN DATE
BT1-2 WESTH OOE#1 7/24/02 11:55
DISCREPANCY OPEN "A" PHASE
STATUS AS OF 7/24/02
11:55 Bkr. BT1-2 was removed from service C/O OOE#1 due to PST reporting no current
was flowing through "A" phase -- Sys. ops switch around breaker
Area Supv was on location
12:07 138Kv ring bus was closed
12:18 Alpha page was sent
14:50 Sta. Supv reported testing for HF was negative
Note: 12/8 shift will mobilized equipment and parts in preparation for entry and
engineering inspection on the 7/3 shift
CONTACT PERSON:

Yesterday, our main concern was to return Fresh Kills Bkr BT1-2 to service in time for today's anticipated load demand.

Timing results were not perfect. Trip time was good (below 35ms), Closing was a little slow (159ms, max allowable 150), Trip Velocity too fast (31,

Redacted

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MAXIMO REPORT: EQUIPMENT HISTORY

Station: FRESH KILLS 138 **Equipment: BKR-0003072** **FK 138- BKR BT1-2**

RESP AREA	WORK TYPE	WORK NUMBER	STATUS	DESCRIPTION	PRTY	REPORT DATE	REPORTED BY	SUPV	HRS	ACTUAL FINISH
				acceptable range 17 -25 ft/sec). The velocity results may be attributed to the type of velocity transducer that was used. A rotary transducer was not available.						
				Please plan to re-time the breaker when the load conditions allow an outage. At that time plan to remove covers in order to lubricate the operating linkage, and to obtain a rotary transducer.						
FACILITY	CMP	**0000160382**	CLOSE	0500-28 BKR SUMM/WINT INSP BT 1-2	2	5/1/2002	40371	52581	1.0	6/6/2002
Long Description:										
FACILITY	JUMP	**0000159049**	CLOSE	BT 1-2 TIMER JUMPER	5	4/28/2002	15321		0.0	5/15/2002
Long Description:										
FACILITY	JUMP	**0000159048**	CLOSE	BT 1-2 TRIP CKT JUMPER	5	4/28/2002	15321		0.0	5/15/2002
Long Description:										
FACILITY	JUMP	**0000159047**	CLOSE	BT 1-2 CLOSING CKT JUMPER	5	4/28/2002	15321		0.0	5/15/2002
Long Description:										
FACILITY	GC	**0000141917**	CLOSE	GAS CALL- BKR BT1-2	1	12/22/2001	19093		0.0	12/23/2001
Long Description:										
FACILITY	CMP	**0000135163**	CLOSE	0500-28 BKR SUMM/WINT INSP BT 1-2	9	10/29/2001	40371	52581	1.5	11/28/2001
Long Description:	**11-21-01 inspection completed M. Bagley**									
FACILITY	TI	**0000114993**	CLOSE	FRESH KILLS S/S BKR BT 1-2 - TRIP OUT	9	6/1/2001	40371	49657	50.0	6/4/2001
Long Description:	**BKR. TRIP OUT INVESTIGATION - POSSIBLE LIGHTING STRIKE DURING RAIN STORM.**									
FACILITY	CMP	**0000112126**	CLOSE	0500-28 BKR SUMM/WINT INSP BT 1-2	9	5/1/2001	40371	16791	1.5	6/12/2001
Long Description:										
FACILITY	GC	**0000101517**	CLOSE	GAS CALL- BKR BT1-2	1	3/4/2001	03332		0.0	3/5/2001
Long Description:										
FACILITY	CMP	**0000096176**	CLOSE	0500-02 DEW POINT TESTING -BKR BT 1-2	1	1/31/2001	40371	16791	0.5	2/17/2001
Long Description:										
FACILITY	GC	**0000089538**	CLOSE	GAS CALL- BKR BT1-2	2	12/20/2000	19093		0.0	2/10/2003
Long Description:										

Redacted

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MAXIMO REPORT: EQUIPMENT HISTORY

Station: FRESH KILLS 138 **Equipment: BKR-0003072** **FK 138- BKR BT1-2**

RESP AREA	WORK TYPE	WORK NUMBER	STATUS	DESCRIPTION	PRTY	REPORT DATE	REPORTED BY	SUPV	HRS	ACTUAL FINISH
FACILITY	DT	**0000086938**	CLOSE	FRESH KILLS S/S - BKR. BT1-2 VELOSCITY TEST	9	12/4/2000	40371	49657	16.0	12/2/2000
Long Description:	**this test is part of the D.T., which was not completed. Equiptment failure was the cause of not doing this during the outage. Breaker taken out of service and test completed. Work Orders 69372 & 77973 are all part of D.T..**									
FACILITY	CMP	**0000078368**	CLOSE	0500-28 BKR SUMM/WINT INSP BT 1-2	9	10/31/2000	40371	49657	1.5	12/21/2000
Long Description:										
FACILITY	DT	**0000077973**	CLOSE	FRESH KILLS S/S - BKR. BT1-2 - DT TIMING	4	10/26/2000	40371	49657	16.0	10/25/2000
Long Description:	**ORIGINAL WORK ORDER 69372 WAS CLOSED OUT - TIMING WAS COMPLETED ADD THESE HOURS TO ORIGINAL WORK ORDER.**									
PROTSYS	SR	**0000075969**	CLOSE	FK 138- BKR BT1-2 (DT)	9	10/3/2000	40371		29.5	10/16/2000
Long Description:										
FACILITY	CMP	**0000074603**	CLOSE	0500-17 ANNUAL COMPRESSOR BKR BT1-2	9	9/28/2000	40371	49657	16.0	11/28/2000
Long Description:										
FACILITY	DT	**0000069372**	CLOSE	FK 138- BKR BT1-2 (DT)	1	8/8/2000	40371	49657	36.0	10/4/2000
Long Description:										
FACILITY	GC	**0000057744**	CLOSE	FK 138-GAS CALL GCB/CASP45 BT1-2	1	4/19/2000	49417		0.0	4/24/2000
Long Description:										
FACILITY	CM	**0000056297**	CLOSE	FK BKR BT1-2 INOPERABLE VIA SOCCS OR 138 CTRL BD	9	4/5/2000	03332	52581	4.0	11/28/2001
Long Description:	**11-23-01 breaker works from control room controls J.Monasseri and J. Milo**									
FACILITY	CMP	**0000051431**	CLOSE	0500-02-SF6 DEWPOINTS BT1- 2 BKR	1	2/28/2000	40371	49657	1.0	4/6/2000
Long Description:										
FACILITY	GC	**0000044478**	CLOSE	FK 138-GAS CALL GCB/CASP45 BT1-2	1	12/13/1999	49417		0.0	12/15/1999
Long Description:										
FACILITY	CMP	**0000043885**	CLOSE	0500-28 WINTERIZATION BKR BT 1-2	9	12/7/1999	40371	49657	1.5	12/9/1999
Long Description:										
FACILITY	GC	**0000019121**	CLOSE	FK 138-GAS CALL GCB/CASP45 BT1-2	1	5/19/1999	05602		2.0	12/24/2000
Long Description:										
FACILITY	CMP	**0000012179**	CLOSE	500-02-SF6 DEWPOINTS BT1- 2 BKR	1	2/19/1999	05602	49657	3.0	2/19/1999
Long Description:										

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MAXIMO REPORT: EQUIPMENT HISTORY

Station: FRESH KILLS 138 **Equipment: BKR-0003072** **FK 138- BKR BT1-2**

RESP AREA	WORK TYPE	WORK NUMBER	STATUS	DESCRIPTION	PRTY	REPORT DATE	REPORTED BY	SUPV	HRS	ACTUAL FINISH

87 total work order(s) having 735.5 hours.

Redacted

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MAXIMO REPORT: EQUIPMENT HISTORY

Station: FRESH KILLS 138 **Equipment: BKR-0003075** **FK 138- BKR BT1-3 **RETIRED****

RESP AREA	WORK TYPE	WORK NUMBER	STATUS	DESCRIPTION	PRTY	REPORT DATE	REPORTED BY	SUPV	HRS	ACTUAL FINISH
AUXSUP Long Description:	CAP	**0008083136**	CLOSE	FK- BKR 1-3- HIPOT AFTER REPLACE	5	4/23/2008	49436	08050	51.0	4/25/2008
FACILITY Long Description:	CAP	**0008077000**	INPRG	REPLACEMENT OF BT 1-3	5	4/18/2008	40371	40371	655.5	
ENV Long Description:	DLPC	**0008075191**	CLOSE	PAINT CHIPS FROM (OLD) BKR BT1-3	5	4/17/2008	81952		0.0	5/6/2008
UNDERGRND Long Description:	OTHR	**0008065401**	COMP	WELDING SUPPORT AT FRESH KILLS S/S	9	4/10/2008	78367		13.0	6/3/2008
FACILITY Long Description:	DLPCB	**0008062146**	CLOSE	BPD'S FROM BKR BT 1-3	5	4/8/2008	19131		0.0	4/8/2008
FACILITY Long Description:	DLPCB	**0008062145**	CLOSE	BPD'S FROM BKR BT 1-3	5	4/8/2008	19131		0.0	4/8/2008
ENV Long Description:	DLPCB	**0008062144**	INPRG	BPD'S FROM BKR 1-3	5	4/8/2008	19131		0.0	
FACILITY Long Description:	DLPCB	**0008062132**	CLOSE	BPD'S FROM BKR BT1-3	5	4/8/2008	19131		0.0	4/8/2008
CONST Long Description:	CAP	**0007982258**	CLOSE	BREAKER BT 1-3 SUB-SURFACE CONDUIT WORK FOR ADDED CCPD.	9	3/14/2008	45772	45772	399.0	4/25/2008
FACILITY Long Description:	CAP	**0007801120**	CLOSE	INSTALL NEW BREAKER BT 1-3	5	1/28/2008	45772	45772	1396.0	5/2/2008
FACILITY Long Description:	CAP	**0007801115**	CLOSE	REMOVAL OF BT 1-3	5	1/28/2008	45772	45772	591.0	4/10/2008
FACILITY Long Description:	GC	**0007794046**	CLOSE	GAS CALL- BKR BT1-3	4	1/23/2008	03332	03332	0.0	1/23/2008
FACILITY Long Description:	GC	**0007571137**	CLOSE	GAS CALL- BKR BT1-3	4	11/22/2007	03332	03332	0.0	11/22/2007

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MAXIMO REPORT: EQUIPMENT HISTORY

Station: FRESH KILLS 138 **Equipment: BKR-0003075** **FK 138- BKR BT1-3 **RETIRED****

RESP AREA	WORK TYPE	WORK NUMBER	STATUS	DESCRIPTION	PRTY	REPORT DATE	REPORTED BY	SUPV	HRS	ACTUAL FINISH
FACILITY	CMP	**0007527261**	CLOSE	0500-17 - FK 138 BKR BT1-3 AIR RECEIVER INSPECT.	4	11/1/2007	MAXADMIN	00422	2.0	4/18/2008
Long Description: **5 receivers X 2 hrs.= 10 hours @ 1 person**										
FACILITY	GC	**0007488415**	CLOSE	GAS CALL- BKR BT1-3	4	10/29/2007	81952	81952	0.0	10/29/2007
Long Description:										
FACILITY	GC	**0007462781**	CLOSE	GAS CALL- BKR BT1-3	4	10/23/2007	03332	03332	0.0	10/23/2007
Long Description:										
FACILITY	CAP	**0007399407**	CLOSE	FRESH KILLS - BKR. BT1-3 REPLACEMENT BKR (STORED IN YARD) ABB IN TO INSTALL SF6	5	10/14/2007	40371	40371	4.0	10/11/2007
Long Description: **vendor abb in to install sf6 line - bkr. stored until replacment outage.**										
FACILITY	CMP-0	**0007342548**	CLOSE	0500-28 BKR WINTERIZATION INSP BT 1-3	4	10/1/2007	MAXADMIN	40371	2.0	12/10/2007
Long Description:										
FACILITY	GC	**0007119932**	CLOSE	GAS CALL- BKR BT1-3	2	7/12/2007	81952	81952	0.0	7/12/2007
Long Description:										
FACILITY	GC	**0006928167**	CLOSE	GAS CALL- BKR BT1-3	2	5/9/2007	81952	81952	0.0	5/9/2007
Long Description:										
FACILITY	CMP	**0006900664**	CLOSE	0500-17 - FK 138 BKR BT1-3 AIR RECEIVER INSPECT.	2	5/1/2007	MAXADMIN	40371	1.5	5/20/2007
Long Description: **5 receivers X 2 hrs.= 10 hours @ 1 person**										
FACILITY	GC	**0006731584**	CLOSE	GAS CALL- BKR BT1-3	2	3/28/2007	81952	81952	0.0	3/28/2007
Long Description:										
FACILITY	GC	**0006716908**	CLOSE	GAS CALL- BKR BT1-3	2	3/21/2007	03332	03332	0.0	3/21/2007
Long Description:										
FACILITY	GC	**0006708251**	CLOSE	GAS CALL- BKR BT1-3	2	3/15/2007	03332	03332	0.0	3/15/2007
Long Description:										
FACILITY	GC	**0006686238**	CLOSE	GAS CALL- BKR BT1-3	2	3/3/2007	81952	81952	0.0	3/3/2007
Long Description:										
FACILITY	CMP	**0006651472**	CLOSE	0500-28 SUMMERIZATION INSP BKR BT 1-3	2	3/1/2007	MAXADMIN	40371	2.0	4/30/2007
Long Description:										

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MAXIMO REPORT: EQUIPMENT HISTORY

Station: FRESH KILLS 138 **Equipment: BKR-0003075** **FK 138- BKR BT1-3 **RETIRED****

RESP AREA	WORK TYPE	WORK NUMBER	STATUS	DESCRIPTION	PRTY	REPORT DATE	REPORTED BY	SUPV	HRS	ACTUAL FINISH
FACILITY	GC	**0006577979**	CLOSE	GAS CALL- BKR BT1-3	2	2/21/2007	81952	81952	0.0	2/21/2007
Long Description:										
FACILITY	CAP	**0006571107**	APPR	FK 138- BKR BT1-3 REPLACEMENT (RETIREMENT)	5	2/20/2007	40371	40371	0.0	
Long Description:										
FACILITY	GC	**0006564744**	CLOSE	GAS CALL- BKR BT1-3	2	2/14/2007	81952	81952	0.0	2/14/2007
Long Description:										
FACILITY	GC	**0006553831**	CLOSE	GAS CALL- BKR BT1-3	2	2/8/2007	03332	03332	0.0	2/8/2007
Long Description:										
FACILITY	GC	**0006478886**	CLOSE	GAS CALL- BKR BT1-3	2	1/19/2007	81952	81952	0.0	1/19/2007
Long Description:										
FACILITY	CMP	**0006232351**	CLOSE	0500-17 - FK 138 BKR BT1-3 AIR RECEIVER INSPECT.	2	11/1/2006	MAXADMIN	00422	2.0	12/23/2006
Long Description:	**5 receivers X 2 hrs.= 10 hours @ 1 person**									
FACILITY	GC	**0006171132**	CLOSE	GAS CALL- BKR BT1-3	2	10/25/2006	44597	44597	0.0	10/25/2006
Long Description:										
FACILITY	CMP	**0006076644**	CLOSE	0500-28 BKR WINTERIZATION INSP BT 1-3	2	9/30/2006	MAXADMIN	40371	2.0	10/16/2006
Long Description:										
FACILITY	GC	**0005940126**	CLOSE	GAS CALL- BKR BT1-3	2	8/12/2006	44597	44597	0.0	8/12/2006
Long Description:										
FACILITY	CMP	**0005597805**	CLOSE	0500-17 - FK 138 BKR BT1-3 AIR RECEIVER INSPECT.	2	5/1/2006	MAXADMIN	40371	1.5	5/21/2006
Long Description:	**5 receivers X 2 hrs.= 10 hours @ 1 person**									
FACILITY	GC	**0005539619**	CLOSE	GAS CALL- BKR BT1-3	2	4/21/2006	44597	44597	0.0	4/21/2006
Long Description:										
FACILITY	GC	**0005450544**	CLOSE	GAS CALL- BKR BT1-3	2	3/29/2006	03332	03332	0.0	3/29/2006
Long Description:										
FACILITY	GC	**0005399954**	CLOSE	GAS CALL- BKR BT1-3	2	3/4/2006	44597	44597	0.0	3/4/2006
Long Description:										

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MAXIMO REPORT: EQUIPMENT HISTORY

Station: FRESH KILLS 138 **Equipment: BKR-0003075** **FK 138- BKR BT1-3 **RETIRED****

RESP AREA	WORK TYPE	WORK NUMBER	STATUS	DESCRIPTION	PRTY	REPORT DATE	REPORTED BY	SUPV	HRS	ACTUAL FINISH
FACILITY	GC	**0005399871**	CLOSE	GAS CALL- BKR BT1-3	2	3/4/2006	16933	16933	0.0	3/4/2006
Long Description:										
FACILITY	CMP	**0005342331**	CLOSE	0500-28 BKR SUMMERIZATION INSP BT 1-3	2	2/28/2006	MAXADMIN	40371	2.0	5/1/2006
Long Description:										
FACILITY	GC	**0005302835**	CLOSE	GAS CALL- BKR BT1-3	2	2/22/2006	03332	03332	1.0	2/22/2006
Long Description:										
FACILITY	GC	**0005028453**	CLOSE	GAS CALL- BKR BT1-3	2	12/10/2005	44597	44597	0.0	12/10/2005
Long Description:										
FACILITY	CMP	**0000345842**	CLOSE	0500-17 - FK 138 BKR BT1-3 AIR RECEIVER INSPECT.	2	10/28/2005	PMWOGEN	40371	1.5	11/6/2005
Long Description:	**5 receivers X 2 hrs.= 10 hours @ 1 person**									
FACILITY	GC	**0000342923**	CLOSE	GAS CALL- BKR BT1-3	2	10/5/2005	03332	03332	0.0	10/5/2005
Long Description:										
FACILITY	GC	**0000315800**	CLOSE	GAS CALL- BKR BT1-3	2	5/18/2005	03332	03332	0.0	5/18/2005
Long Description:										
FACILITY	CMP	**0000312960**	CLOSE	0500-17 - FK 138 BKR BT1-3 AIR RECEIVER INSPECT.	4	5/2/2005	19093	40371	2.0	5/29/2005
Long Description:	**5 receivers X 2 hrs.= 10 hours @ 1 person**									
FACILITY	CM	**0000310230**	CLOSE	F.K. BT1-3 BKR. WILL NOT OPERATE FROM CONTROL RM	2	4/10/2005	40371	40371	16.0	4/19/2005
Long Description:	**found broken wire in g2e disc and repaired same.**									
FACILITY	CM	**0000310227**	CLOSE	F.K. -BT1-3 BKR. TROUBLESHOOT 5MA GROUND	2	4/10/2005	40371	40371	110.0	4/19/2005
Long Description:	**found several gounds and tracing them out and repairing.**									
	Had to run temporary wiring to get indication to bt1-3 - will run new conduit and pull new cable 7/c#12, there aren't any spares available to be used.									
FACILITY	GC	**0000306201**	CLOSE	GAS CALL- BKR BT1-3	2	3/22/2005	03332	03332	0.0	3/22/2005
Long Description:										
FACILITY	CMP	**0000299385**	CLOSE	0500-28 BKR SUMMERIZATION INSP BT 1-3	4	2/25/2005	PMWOGEN	40371	1.5	5/15/2005
Long Description:										

Redacted

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MAXIMO REPORT: EQUIPMENT HISTORY

Station: FRESH KILLS 138 **Equipment: BKR-0003075** **FK 138- BKR BT1-3 **RETIRED****

RESP AREA	WORK TYPE	WORK NUMBER	STATUS	DESCRIPTION	PRTY	REPORT DATE	REPORTED BY	SUPV	HRS	ACTUAL FINISH
FACILITY	GC	**0000296875**	CLOSE	GAS CALL- BKR BT1-3	2	2/4/2005	03332	03332	0.0	2/4/2005
Long Description:										
FACILITY	CM	**0000285270**	CLOSE	BT1-3 BKR. UNABLE TO CLOSE FROM CONTROL BD.	2	12/14/2004	49417	40371	24.0	8/5/2005
Long Description:	**Had to close BT1-3 from Interposing Relay. Unable to close from control bd. G2E was open.**									
FACILITY	GC	**0000284568**	CLOSE	GAS CALL- BKR BT1-3	2	12/5/2004	49417	49417	0.0	12/5/2004
Long Description:										
FACILITY	CMP	**0000277868**	CLOSE	0500-17 - FK 138 BKR BT1-3 AIR RECEIVER INSPECT.	4	10/25/2004	PMWOGEN	40371	2.0	12/12/2004
Long Description:	**5 receivers X 2 hrs.= 10 hours @ 1 person**									
FACILITY	CMP	**0000277843**	CLOSE	0500-28 BKR WINTERIZATION INSP BT 1-3	4	10/25/2004	PMWOGEN	40371	1.5	11/12/2004
Long Description:										
FACILITY	GC	**0000275825**	CLOSE	GAS CALL- BKR BT1-3	2	10/4/2004	44597	44597	0.0	10/4/2004
Long Description:										
FACILITY	ALARM	**0000272051**	CLOSE	FRESH KILLS - TROUBLESHOT GROUND - A.K. GEN	2	9/19/2004	40371	40371	46.0	12/27/2004
Long Description:	**TROUBLESHOOT GROUND WITH AK GEN STATION COMING FROM BT 1-3. TRACED TO PT 51 AND CAN'T GO ANY FURTHER - NEED OUTAGE.** **12/13/04 working with NRG tect.** **12/14/04 ran new 7c/12 between d.s bt1-3s and bt1-3 bkr. made connections on TB 5 both ends.**									
FACILITY	GC	**0000270505**	CLOSE	GAS CALL- BKR BT1-3	2	8/27/2004	44597	44597	0.0	8/27/2004
Long Description:										
FACILITY	GC	**0000259019**	CLOSE	GAS CALL- BKR BT1-3	2	6/6/2004	03332	03332	0.0	6/6/2004
Long Description:										
FACILITY	CMP	**0000252192**	CLOSE	0500-17 - FK 138 BKR BT1-3 AIR RECEIVER INSPECT.	4	4/25/2004	PMWOGEN	40371	0.0	5/30/2004
Long Description:	**5 receivers X 2 hrs.= 10 hours @ 1 person**									
FACILITY	CMP	**0000244056**	CLOSE	0500-28 BKR SUMMERIZATION INSP BT 1-3	4	2/28/2004	PMWOGEN	40371	1.5	4/18/2004
Long Description:										
FACILITY	GC	**0000243175**	CLOSE	GAS CALL- BKR BT1-3	2	2/20/2004	44597	44597	0.0	2/20/2004
Long Description:										

Redacted

MAXIMO REPORT: EQUIPMENT HISTORY

Station: FRESH KILLS 138 **Equipment: BKR-0003075** **FK 138- BKR BT1-3 **RETIRED****

RESP AREA	WORK TYPE	WORK NUMBER	STATUS	DESCRIPTION	PRTY	REPORT DATE	REPORTED BY	SUPV	HRS	ACTUAL FINISH
PROTSYS	SR	**0000242957**	CLOSE	FRESHKILLS - DISC. SW. RELAY MODIFICATION PROJECT	2	2/17/2004	87890		32.0	3/1/2004
Long Description:										
FACILITY	GC	**0000242089**	CLOSE	GAS CALL- BKR BT1-3	2	1/31/2004	51272	51272	0.0	1/31/2004
Long Description:										
FACILITY	INFO	**0000241433**	CLOSE	BREAKER BT1-3 UNABLE TO CLOSE	5	1/26/2004	72593		0.0	1/26/2004

Long Description: **FRESH KILLS 138**
Event Type Description Start Date End Date Contact
MISC. Breaker BT1-3 unable to close 01/24/2004 11:55 01/24/2004 14:02 Lauro
Status Date Note
01/24/2004 11:55 Sta. Operator reports BT1-3 unable to close remotely or via interposing relay after AK2 came off line. All control fuses and relays checked OK.
01/24/2004 13:40 BT1-4 re-opened in order to attempt to first close BT1-3. Multiple attempts to close BT1-3 failed.
01/24/2004 13:52 Station Operator notices disconnect switch BT1-3S already open when on orders to isolate bkr BT1-3 (for further close attempt).
01/24/2004 14:02 Disc. sw BT1-3S closed. Bkr. BT1-3 closed. SSM/ PST to follow up on why disc BT1-3S opened by itself.

FACILITY	GC	**0000236015**	CLOSE	GAS CALL- BKR BT1-3	2	12/9/2003	49417	49417	0.0	12/9/2003
Long Description:										
FACILITY	CM	**0000235994**	CLOSE	BT1-3 WILL NOT OPERATE FROM CONTROL BD	4	12/9/2003	49417	40371	4.0	12/23/2003

Long Description: **PST found problem during Trip-Checks**

FACILITY	GC	**0000234275**	CLOSE	GAS CALL- BKR BT1-3	2	11/30/2003	74840	74840	0.0	11/30/2003
Long Description:										
FACILITY	CMP	**0000230643**	CLOSE	0500-17 - FK 138 BKR BT1-3 AIR RECEIVER INSPECT.	4	10/30/2003	PMWOGEN	40371	2.0	3/14/2004

Long Description: **5 receivers X 2 hrs.= 10 hours @ 1 person**

FACILITY	GC	**0000226391**	CLOSE	GAS CALL- BKR BT1-3	2	10/1/2003	74840	74840	0.0	10/1/2003
Long Description:										
FACILITY	GC	**0000212455**	CLOSE	GAS CALL- BKR BT1-3	2	6/11/2003	44597	44597	0.0	6/11/2003
Long Description:										
FACILITY	GC	**0000212454**	CLOSE	GAS CALL- BKR BT1-3	2	6/11/2003	44597	44597	0.0	6/11/2003
Long Description:										
FACILITY	GC	**0000210714**	CLOSE	GAS CALL- BKR BT1-3	2	6/1/2003	49417	49417	0.0	6/1/2003
Long Description:										

Redacted

MAXIMO REPORT: EQUIPMENT HISTORY

Station: FRESH KILLS 138 **Equipment: BKR-0003075** **FK 138- BKR BT1-3 **RETIRED****

RESP AREA	WORK TYPE	WORK NUMBER	STATUS	DESCRIPTION	PRTY	REPORT DATE	REPORTED BY	SUPV	HRS	ACTUAL FINISH
FACILITY	CM	**0000208523**	CLOSE	FRESH KILLS - BKR BT1-3 OPEN AUTO	2	5/12/2003	40371	40371	2.0	5/12/2003
Long Description:										
FACILITY	CM	**0000208147**	CLOSE	LOW AIR ALARM NOT WORKING	4	5/7/2003	03332	40371	16.0	5/12/2003
Long Description:										
FACILITY	CM	**0000208024**	CLOSE	AIR LEAK AT GOVERNOR SWITCH AND LOW PRESSURE CUT OUT SWITCH	4	5/6/2003	51272	40371	4.0	5/12/2003
Long Description:										
FACILITY	CMP	**0000206808**	CLOSE	0500-17 - FK 138 BKR BT1-3 AIR RECEIVER INSPECT.	2	5/1/2003	40371	40371	1.5	5/9/2003
Long Description:	**5 receivers X 2 hrs.= 10 hours @ 1 person**									
FACILITY	CMP	**0000206795**	CLOSE	0500-28 BKR SUMM/WINT INSP BT 1-3	2	5/1/2003	40371	81886	2.0	5/22/2003
Long Description:										
FACILITY	GC	**0000190557**	CLOSE	GAS CALL- BKR BT1-3	2	12/26/2002	49417		0.0	12/30/2002
Long Description:										
FACILITY	CM	**0000190553**	CLOSE	BT1-3 SF-6 GAS LEAK ON RT. SIDE PRESSURE GAUGE IN SF-6 CABINET	4	12/26/2002	49417	81886	4.0	6/19/2003
Long Description:										
FACILITY	ENVLK	**0000190380**	CLOSE	BREAKER BT 1-3 SF-6 CABINET GAS LEAKAGE	1	12/22/2002	08357	81886	4.0	12/30/2002
Long Description:	**LEAKAGE FROM V-4 BACK TO BOTTLE CONNECTORS NEED TO BE CHECKED AND TIGHTENED. SOME HAVE TEPLON TAPE BUT STILL LEAKS.** **Added teflon tap and tightened up connections. Leak corrected.**									
FACILITY	CM	**0000185519**	CLOSE	SEE LOG - FRESH KILLS BKR. BT1-3 - BKR. CLOSING	4	11/9/2002	16170	81886	4.0	3/31/2003
Long Description:	**breaker does not close via local control and had to be closed via interposing relay**									
FACILITY	CMP	**0000184241**	CLOSE	0500-17 - FK 138 BKR BT1-3 AIR RECEIVER INSPECT.	2	11/1/2002	40371	18640	2.0	12/30/2002
Long Description:	**5 receivers X 2 hrs.= 10 hours @ 1 person**									
FACILITY	CMP	**0000184222**	CLOSE	0500-28 BKR SUMM/WINT INSP BT 1-3	2	11/1/2002	40371	52581	2.0	11/8/2002
Long Description:										

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MAXIMO REPORT: EQUIPMENT HISTORY

Station: FRESH KILLS 138 **Equipment: BKR-0003075** **FK 138- BKR BT1-3 **RETIRED****

RESP AREA	WORK TYPE	WORK NUMBER	STATUS	DESCRIPTION	PRTY	REPORT DATE	REPORTED BY	SUPV	HRS	ACTUAL FINISH
FACILITY	GC	**0000176852**	CLOSE	GAS CALL- BKR BT1-3	2	9/24/2002	19093		0.0	9/25/2002
Long Description:										
FACILITY	CM	**0000173622**	CLOSE	BT1-3 CONTROL SWITCH N/G, AS PER PST, FOUND DURING TRIP CHECK 9/1/02	4	9/1/2002	49417	40371	2.0	4/10/2005
Long Description:	**PST also found an open wire in the same circuit. From CW-3 terminal #317 to G2E Disc. B switch terminal #2**									
FACILITY	CM	**0000165401**	CLOSE	BT1-3 SF-6 GAS REGULATOR GAS BLOWING OUT FROM PORT HOLES	4	6/17/2002	49417	52581	4.0	6/23/2002
Long Description:	**INSTALLED NEW REGULATOR**									
FACILITY	GC	**0000164836**	CLOSE	GAS CALL- BKR BT1-3	2	6/9/2002	19093		0.0	6/10/2002
Long Description:										
FACILITY	CMP	**0000160381**	CLOSE	0500-28 BKR SUMM/WINT INSP BT 1-3	2	5/1/2002	40371	52581	1.0	6/6/2002
Long Description:										
FACILITY	GC	**0000151562**	CLOSE	GAS CALL- BKR BT1-3	2	3/1/2002	19093		0.0	3/1/2002
Long Description:										
FACILITY	GC	**0000140974**	CLOSE	GAS CALL- BKR BT1-3	1	12/17/2001	19093		0.0	12/18/2001
Long Description:										
FACILITY	CMP	**0000135162**	CLOSE	0500-28 BKR SUMM/WINT INSP BT 1-3	9	10/29/2001	40371	52581	1.5	11/28/2001
Long Description:	**11-21-01 inspection completed M. Bagley**									
FACILITY	GC	**0000130442**	CLOSE	GAS CALL- BKR BT1-3	1	9/30/2001	03332		0.0	10/1/2001
Long Description:										
FACILITY	GC	**0000121695**	CLOSE	GAS CALL- BKR BT1-3	1	7/23/2001	03332		0.0	7/24/2001
Long Description:										
FACILITY	CMP	**0000112127**	CLOSE	0500-28 BKR SUMM/WINT INSP BT 1-3	9	5/1/2001	40371	16791	1.5	6/12/2001
Long Description:										
FACILITY	GC	**0000108539**	CLOSE	GAS CALL- BKR BT1-3	1	4/4/2001	19131		0.0	4/5/2001
Long Description:										
FACILITY	GC	**0000101516**	CLOSE	GAS CALL- BKR BT1-3	1	3/4/2001	03332		0.0	3/5/2001
Long Description:										

Redacted

MAXIMO REPORT: EQUIPMENT HISTORY

Station: FRESH KILLS 138 **Equipment: BKR-0003075** **FK 138- BKR BT1-3 **RETIRED****

RESP AREA	WORK TYPE	WORK NUMBER	STATUS	DESCRIPTION	PRTY	REPORT DATE	REPORTED BY	SUPV	HRS	ACTUAL FINISH
FACILITY	CMP	**0000096175**	CLOSE	0500-02 DEW POINT TESTING -BKR BT 1-3	1	1/31/2001	40371	16791	0.5	2/17/2001
Long Description:										
FACILITY	GC	**0000089537**	CLOSE	GAS CALL- BKR BT1-3	2	12/20/2000	19093		0.0	2/10/2003
Long Description:										
PROTSYS	SR	**0000087390**	CLOSE	FK 138- BKR BT1-3 (DT)	9	12/7/2000	40010		16.0	12/7/2000
Long Description:										
FACILITY	CMP	**0000078367**	CLOSE	0500-28 BKR SUMM/WINT INSP BT 1-3	9	10/31/2000	40371	49657	1.5	12/21/2000
Long Description:										
FACILITY	CM	**0000076503**	CLOSE	FRESH KILLS S/S - BKR. BT1-3	9	10/5/2000	40371	49657	23.0	10/4/2000
Long Description:	**BKR. TAKEN OUT OF SERVICE ON CAT. #2 - LOUD HUMING NOISE COMING FROM B PHASE ENTRANCE BUSHING.**									
FACILITY	CMP	**0000074602**	CLOSE	0500-17 ANNUAL COMPRESSOR BKR BT1-3	9	9/28/2000	40371	16791	16.0	1/29/2001
Long Description:										
FACILITY	DT	**0000069374**	CLOSE	FK 138- BKR BT1-3 (DT)	1	8/8/2000	40371	49657	56.0	12/8/2000
Long Description:										
FACILITY	CM	**0000063739**	CLOSE	FRESH KILLS S/S - BT1-3	9	6/9/2000	40371	49657	30.0	7/19/2000
Long Description:	**TROUBLE SHOOTING GROUND**									
FACILITY	GC	**0000057743**	CLOSE	FK 138-GAS CALL GCB/CASP45 BT1-3	1	4/19/2000	49417		0.0	4/24/2000
Long Description:										
FACILITY	CMP	**0000051430**	CLOSE	0500-02-SF6 DEWPOINTS BT1- 3 BKR	1	2/28/2000	40371	49657	1.0	4/6/2000
Long Description:										
FACILITY	CM	**0000049568**	CLOSE	FRESH KILLS S/S - BKR. BT1-3 - B.P.D.	9	2/7/2000	40371	49657	8.0	8/7/2000
Long Description:	**while putting back in service, arching occured - will have to investigate and make adjustment accordingly.**									
FACILITY	CMP	**0000043884**	CLOSE	0500-28 WINTERIZATION BKR BT 1-3	9	12/7/1999	40371	49657	1.5	12/9/1999
Long Description:										
FACILITY	EM	**0000042070**	CLOSE	FRESH KILLS S/S - BT1-3	9	11/22/1999	40371	49657	50.0	12/14/1999
Long Description:	**FAILED BUSHING POTENTIAL DEVICE - A PHASE REPLACEMENT - TESTING**									

Redacted

MAXIMO REPORT: EQUIPMENT HISTORY

Station: FRESH KILLS 138 **Equipment: BKR-0003075** **FK 138- BKR BT1-3 **RETIRED****

RESP AREA	WORK TYPE	WORK NUMBER	STATUS	DESCRIPTION	PRTY	REPORT DATE	REPORTED BY	SUPV	HRS	ACTUAL FINISH
FACILITY	GC	**0000036838**	CLOSE	FK 138-GAS CALL GCB/CASP45 BT1-3	1	10/12/1999	49417		0.0	10/12/1999
Long Description:										
FACILITY	GC	**0000031568**	CLOSE	FK 138-GAS CALL GCB/CASP45 BT1-3	1	8/29/1999	49417		0.0	9/3/1999
Long Description:										
FACILITY	GC	**0000028573**	CLOSE	FK 138-GAS CALL GCB/CASP45 BT1-3	1	8/1/1999	49417		0.0	8/2/1999
Long Description:										
FACILITY	GC	**0000019120**	CLOSE	FK 138-GAS CALL GCB/CASP45 BT1-3	1	5/19/1999	05602		5.0	12/24/2000
Long Description:										
FACILITY	CMP	**0000012197**	CLOSE	500-02-SF6 DEWPOINTS BT1- 3 BKR	1	2/19/1999	05602	49657	2.0	2/19/1999
Long Description:										
FACILITY	CM	**0000003833**	CLOSE	Check for SF6 gas leaks / Bkr BT1-3	9	11/5/1998	05602	71685	0.0	11/4/1998
Long Description:	**leaks found at the following locations/area. pole 2 &4 / A&B phase at Interrupter / gas escaping from vents at top of bushing. (This repair will be made during the next scheduled preventive mtce outage) Leak on A phase door gasket / tightened door bolts Leak on tubing fitting at rear of gas cab / repaired Leak in gas cab / repaired**									
FACILITY	CM	**0000003607**	CLOSE	Bkr will not close	9	10/16/1998	05602	71685	0.0	10/16/1998
Long Description:										
FACILITY	EM	**0000003597**	CLOSE	Air Compresser excessive pumping	9	10/15/1998	05602	71685	0.0	10/15/1998
Long Description:										
FACILITY	CM	**0000003580**	CLOSE	Bushing Potential Device C phase in need of repair	9	10/14/1998	05602	71685	0.0	10/16/1998
Long Description:										

120 total work order(s) having 3631.5 hours.

Redacted

MAXIMO REPORT: EQUIPMENT HISTORY

Station: FRESH KILLS 138 **Equipment: BKR-0003081** **FK 138- BKR BT1-7**

RESP AREA	WORK TYPE	WORK NUMBER	STATUS	DESCRIPTION	PRTY	REPORT DATE	REPORTED BY	SUPV	HRS	ACTUAL FINISH
FACILITY	CMP	**0008117065**	APPR	0500-17 - FK 138 BKR BT1-7 AIR RECEIVER INSPECT.	4	5/1/2008	MAXADMIN		0.0	
Long Description: **5 receivers X 2 hrs.= 10 hours @ 1 person**										
FACILITY	CMP-0	**0007867707**	CLOSE	0500-28 SUMMERIZATION INSP BKR BT1-7	4	2/8/2008	89260	40371	1.5	5/9/2008
Long Description:										
AUXSUP	HPOT	**0007843529**	CLOSE	ASSIST IN THE HIPOT OF BREAKER 1-7 AT FRESHKILL SS.	2	2/1/2008	08050		16.0	4/4/2008
Long Description:										
FACILITY	CM	**0007725708**	CLOSE	BKR- BT1-7 (OH) - PREP DILO GAS CART	5	1/7/2008	40371	40371	16.0	1/4/2008
Long Description:										
FACILITY	CM	**0007657351**	CLOSE	FRESH KILLS - BKR. BT1-7 COMPRESSOR REPAIR	5	12/16/2007	40371	40371	8.0	12/13/2007
Long Description:										
FACILITY	CAP	**0007582478**	WAPPR	OVERHAUL BREAKER	5	11/29/2007	85180		0.0	
Long Description:										
FACILITY	CMP	**0007527284**	CLOSE	0500-17 - FK 138 BKR BT1-7 AIR RECEIVER INSPECT.	4	11/1/2007	MAXADMIN	00422	2.0	4/18/2008
Long Description: **5 receivers X 2 hrs.= 10 hours @ 1 person**										
FACILITY	CMP-0	**0007344855**	CLOSE	0500-28 BKR WINTERIZATION INSP BT1-7	4	10/1/2007	MAXADMIN	40371	2.0	12/2/2007
Long Description:										
FACILITY	CMP	**0006900688**	CLOSE	0500-17 - FK 138 BKR BT1-7 AIR RECEIVER INSPECT.	2	5/1/2007	MAXADMIN	40371	1.5	5/20/2007
Long Description: **5 receivers X 2 hrs.= 10 hours @ 1 person**										
FACILITY	CMP	**0006651541**	CLOSE	0500-28 SUMMERIZATION INSP BKR BT1-7	2	3/1/2007	MAXADMIN	40371	2.0	4/30/2007
Long Description:										
FACILITY	CMP	**0006232399**	CLOSE	0500-17 - FK 138 BKR BT1-7 AIR RECEIVER INSPECT.	2	11/1/2006	MAXADMIN	40371	2.0	12/31/2006
Long Description: **5 receivers X 2 hrs.= 10 hours @ 1 person**										
FACILITY	CMP	**0006076749**	CLOSE	0500-28 BKR WINTERIZATION INSP BT1-7	2	9/30/2006	MAXADMIN	40371	2.0	10/29/2006
Long Description:										

Redacted

MAXIMO REPORT: EQUIPMENT HISTORY

Station: FRESH KILLS 138 **Equipment: BKR-0003081** **FK 138- BKR BT1-7**

RESP AREA	WORK TYPE	WORK NUMBER	STATUS	DESCRIPTION	PRTY	REPORT DATE	REPORTED BY	SUPV	HRS	ACTUAL FINISH
FACILITY	DT	0005638375	CLOSE	BKR- BT1-7 (DT)	2	5/16/2006	40371	40371	114.0	10/27/2006

Long Description: OPEN CONTACT TIME

CH	TIME	CYCLE	BOUNCE	WIPE
1	017.90	01.07	003.00	00.64
2	019.80	01.19	002.90	00.74
3	018.90	01.13	003.10	00.71

DELTA TIME 001.90

TRAVEL ANALYSIS T1
STROKE IN 02.22
SPEED FT/S 05.83
OVER-TRAVEL IN 00.06
BOUNCE BACK IN 00.00

SPEED ANALYSIS:
POINT 1 - 00.25 IN
POINT 2 - 01.25 IN

NORMAL VOLTAGE - 0 VOLTS
MINIMUM VOLTAGE - 0 VOLTS
INITIATOR CURRENT - 09.3 AMPS

SHOT LENGTH 1 SECOND
INSERTION RESISTOR NO
TRIGGER: INTERNAL

CLOSE CONTACT TIME

CH	TIME	CYCLE	BOUNCE	WIPE
1	098.00	05.89	003.00	00.20
2	098.20	05.89	000.30	00.19
3	097.80	05.87	000.20	00.22

DELTA TIME 001.90

TRAVEL ANALYSIS T1
STROKE IN 02.31
SPEED FT/S 07.44
OVER-TRAVEL IN 00.09
BOUNCE BACK IN 00.05

Redacted

MAXIMO REPORT: EQUIPMENT HISTORY

Station: FRESH KILLS 138 **Equipment: BKR-0003081** **FK 138- BKR BT1-7**

RESP AREA	WORK TYPE	WORK NUMBER	STATUS	DESCRIPTION	PRTY	REPORT DATE	REPORTED BY	SUPV	HRS	ACTUAL FINISH
	SPEED ANALYSIS: POINT 1 - 00.25 IN POINT 2 - 01.25 IN NORMAL VOLTAGE - 0 VOLTS MINIMUM VOLTAGE - 0 VOLTS INITIATOR CURRENT - 00.6 AMPS SHOT LENGTH 1 SECOND INSERTION RESISTOR NO TRIGGER: INTERNAL			VELOSCITY TEST SLOW						
FACILITY	CM	0005615704	CLOSE	FRESH KILLS BKR. BT1-7 GAS ALARM	4	5/7/2006	40371	40371	16.0	5/2/2006
Long Description:	LEAKED CHECKED LOW LEVEL - NO LEAKES - FURTHER TROUBLE SHOOTING FOUND BURNT WIRES AND REPAIRED SAME.									
FACILITY	CMP	0005597854	CLOSE	0500-17 - FK 138 BKR BT1-7 AIR RECEIVER INSPECT.	2	5/1/2006	MAXADMIN	40371	1.5	5/21/2006
Long Description:	5 receivers X 2 hrs.= 10 hours @ 1 person									
FACILITY	CMP	0005343132	CLOSE	0500-28 BKR SUMMERIZATION INSP BT1-7	2	2/28/2006	MAXADMIN	40371	2.0	5/1/2006
Long Description:										
FACILITY	OH	0005171206	CLOSE	BKR- BT1-7 (OH)	4	1/17/2006	40371	40371	745.5	1/28/2008
Long Description:										
FACILITY	CMP	0000345844	CLOSE	0500-17 - FK 138 BKR BT1-7 AIR RECEIVER INSPECT.	2	10/28/2005	PMWOGEN	40371	2.0	11/6/2005
Long Description:	5 receivers X 2 hrs.= 10 hours @ 1 person									
FACILITY	CMP	0000312962	CLOSE	0500-17 - FK 138 BKR BT1-7 AIR RECEIVER INSPECT.	4	5/2/2005	19093	40371	2.0	6/26/2005
Long Description:	5 receivers X 2 hrs.= 10 hours @ 1 person									
FACILITY	CMP	0000299388	CLOSE	0500-28 BKR SUMMERIZATION INSP BT1-7	4	2/25/2005	PMWOGEN	40371	1.5	5/21/2005
Long Description:										
FACILITY	CMP	0000277870	CLOSE	0500-17 - FK 138 BKR BT1-7 AIR RECEIVER INSPECT.	4	10/25/2004	PMWOGEN	40371	1.5	11/12/2004
Long Description:	5 receivers X 2 hrs.= 10 hours @ 1 person									
FACILITY	CMP	0000277846	CLOSE	0500-28 BKR WINTERIZATION INSP BT1-7	4	10/25/2004	PMWOGEN	40371	1.5	11/12/2004
Long Description:										

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MAXIMO REPORT: EQUIPMENT HISTORY

Station: FRESH KILLS 138 **Equipment: BKR-0003081** **FK 138- BKR BT1-7**

RESP AREA	WORK TYPE	WORK NUMBER	STATUS	DESCRIPTION	PRTY	REPORT DATE	REPORTED BY	SUPV	HRS	ACTUAL FINISH
FACILITY	CMP	**0000253035**	CLOSE	0500-02 DEW POINT TESTING -BKR BT 1-7	4	4/25/2004	PMWOGEN	40371	0.0	7/15/2004
Long Description:										
FACILITY	CMP	**0000252194**	CLOSE	0500-17 - FK 138 BKR BT1-7 AIR RECEIVER INSPECT.	4	4/25/2004	PMWOGEN	40371	2.0	5/30/2004
Long Description:	**5 receivers X 2 hrs.= 10 hours @ 1 person**									
PROTSYS	SR	**0000251731**	CLOSE	FRESH KILL - BT1-7 - UPGRADE - PST TO DOBLE	4	4/21/2004	40371	40371	16.0	4/23/2004
Long Description:	**Upgrade operating mechanism. - outage requested.**									
FACILITY	CMP	**0000244059**	CLOSE	0500-28 BKR SUMMERIZATION INSP BT1-7	4	2/28/2004	PMWOGEN	40371	1.0	4/25/2004
Long Description:										
FACILITY	GC	**0000240068**	CLOSE	GAS CALL- BKR BT1-7	2	1/21/2004	49417	49417	0.0	1/21/2004
Long Description:										
FACILITY	CMP	**0000230645**	CLOSE	0500-17 - FK 138 BKR BT1-7 AIR RECEIVER INSPECT.	4	10/30/2003	PMWOGEN	40371	2.0	3/14/2004
Long Description:	**5 receivers X 2 hrs.= 10 hours @ 1 person**									
FACILITY	GC	**0000227453**	CLOSE	GAS CALL- BKR BT1-7	2	10/9/2003	74840	74840	0.0	10/9/2003
Long Description:										
FACILITY	CM	**0000218069**	CLOSE	FRESH KILL - BT1-7 - UPGRADE	4	7/31/2003	40371	40371	32.0	8/5/2005
Long Description:	**Upgrade operating mechanism. - outage requested.**									
FACILITY	CMP	**0000206873**	CLOSE	0500-02 DEW POINT TESTING -BKR BT 1-7	2	5/1/2003	40371		0.0	5/30/2003
Long Description:										
FACILITY	CMP	**0000206810**	CLOSE	0500-17 - FK 138 BKR BT1-7 AIR RECEIVER INSPECT.	2	5/1/2003	40371	40371	1.5	5/9/2003
Long Description:	**5 receivers X 2 hrs.= 10 hours @ 1 person**									
FACILITY	CMP	**0000206798**	CLOSE	0500-28 BKR SUMM/WINT INSP BT1-7	2	5/1/2003	40371	07026	2.0	5/19/2003
Long Description:										
PROTSYS	SR	**0000204007**	CLOSE	BKR- BT1-7 (DT) - PST DOBLE BKR.	4	4/2/2003	40371		16.0	4/8/2003
Long Description:										
FACILITY	DT	**0000185937**	CLOSE	BKR- BT1-7 (DT)	2	11/15/2002	40371	81886	72.0	4/3/2003
Long Description:										

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MAXIMO REPORT: EQUIPMENT HISTORY

Station: FRESH KILLS 138 **Equipment: BKR-0003081** **FK 138- BKR BT1-7**

RESP AREA	WORK TYPE	WORK NUMBER	STATUS	DESCRIPTION	PRTY	REPORT DATE	REPORTED BY	SUPV	HRS	ACTUAL FINISH
FACILITY	CMP	**0000184243**	CLOSE	0500-17 - FK 138 BKR BT1-7 AIR RECEIVER INSPECT.	2	11/1/2002	40371	83932	2.0	12/22/2002
Long Description: **5 receivers X 2 hrs.= 10 hours @ 1 person**										
FACILITY	CMP	**0000184225**	CLOSE	0500-28 BKR SUMM/WINT INSP BT1-7	2	11/1/2002	40371	52581	1.5	11/12/2002
Long Description:										
FACILITY	CM	**0000165417**	CLOSE	V-5 VALVE IN SF6 CABINET LEAKING SLOW WHEN TURNED ON BKR BT 1-7	4	6/17/2002	81952	40371	4.0	8/9/2005
Long Description:										
FACILITY	CMP	**0000160378**	CLOSE	0500-28 BKR SUMM/WINT INSP BT1-7	2	5/1/2002	40371	52581	1.5	6/4/2002
Long Description:										
FACILITY	CMP	**0000160365**	CLOSE	0500-02 DEW POINT TESTING -BKR BT 1-7	2	5/1/2002	40371		0.0	6/12/2002
Long Description:										
FACILITY	GC	**0000141916**	CLOSE	GAS CALL- BKR BT1-7	1	12/22/2001	19093		0.0	12/23/2001
Long Description:										
FACILITY	CMP	**0000135159**	CLOSE	0500-28 BKR SUMM/WINT INSP BT1-7	9	10/29/2001	40371	52581	1.5	11/2/2001
Long Description: **10-30-01 JOB COMPLETED T. COOHILL**										
FACILITY	CMP	**0000112156**	CLOSE	0500-02 DEW POINT TESTING -BKR BT 1-7	1	5/1/2001	40371	16791	0.5	6/25/2001
Long Description:										
FACILITY	CMP	**0000112130**	CLOSE	0500-28 BKR SUMM/WINT INSP BT1-7	9	5/1/2001	40371	16791	1.5	6/25/2001
Long Description:										
FACILITY	CMP	**0000096173**	CLOSE	0500-02 DEW POINT TESTING -BKR BT 1-7	1	1/31/2001	40371	16791	0.5	2/17/2001
Long Description:										
FACILITY	CM	**0000092119**	CLOSE	FRESH KILLS - BKR. BT1-7	9	12/28/2000	40371	49657	24.0	1/29/2001
Long Description: **ADDED OIL TO GAS COMPRESSOR - SET UP GAS CART - CHANGED VALVES**										
FACILITY	GC	**0000089536**	CLOSE	GAS CALL- BKR BT1-7	2	12/20/2000	19093		0.0	2/10/2003
Long Description:										
FACILITY	GC	**0000087953**	CLOSE	FK 138-GAS CALL GCB BT1-7	1	12/13/2000	49417		0.0	12/14/2000
Long Description:										

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MAXIMO REPORT: EQUIPMENT HISTORY

Station: FRESH KILLS 138 **Equipment: BKR-0003081** **FK 138- BKR BT1-7**

RESP AREA	WORK TYPE	WORK NUMBER	STATUS	DESCRIPTION	PRTY	REPORT DATE	REPORTED BY	SUPV	HRS	ACTUAL FINISH
FACILITY	CMP	**0000078363**	CLOSE	0500-28 BKR SUMM/WINT INSP BT1-7	9	10/31/2000	40371	49657	1.5	12/21/2000
Long Description:										
FACILITY	CMP	**0000078350**	CLOSE	0500-02 DEW POINT TESTING -BKR BT 1-7	1	10/31/2000	40371	49657	2.0	12/18/2000
Long Description:										
FACILITY	CMP	**0000074599**	CLOSE	0500-17 ANNUAL COMPRESSOR BKR BT1-7	9	9/28/2000	40371	49657	16.0	1/10/2001
Long Description:										
FACILITY	CMP	**0000068333**	CLOSE	0500-02 DEW POINT TESTING -BKR BT 1-7	1	7/27/2000	40371	49657	2.0	8/7/2000
Long Description:	**WORKING WITH CHEM LAB, LAB DOING TESTING**									
FACILITY	CMP	**0000059549**	CLOSE	0500-02-SF6 DEWPOINTS BT 1-7 BKR	1	5/1/2000	40371		0.0	5/31/2000
Long Description:	**astoria chem lab - takes dewpoint - as per supervisor P. Vieira.**									
FACILITY	CMP	**0000051428**	CLOSE	0500-02-SF6 DEWPOINTS BT 1-7 BKR	1	2/28/2000	40371	49657	1.0	4/6/2000
Long Description:										
FACILITY	GC	**0000044961**	CLOSE	FK 138-GAS CALL GCB BT1-7	1	12/26/1999	49417		0.0	1/6/2000
Long Description:										
FACILITY	CMP	**0000043881**	CLOSE	0500-28 WINTERIZATION BKR - BT1-7	9	12/7/1999	40371	49657	1.5	12/7/1999
Long Description:										
FACILITY	CMP	**0000042921**	CLOSE	0500-02-SF6 DEWPOINTS BT 1-7 BKR	1	12/1/1999	40371	49657	1.0	11/30/1999
Long Description:										
FACILITY	CMP	**0000024378**	CLOSE	500-02-SF6 DEWPOINTS BT 1-7 BKR	1	6/24/1999	40371	71685	1.0	6/23/1999
Long Description:										
FACILITY	GC	**0000019119**	CLOSE	FK 138-GAS CALL GCB BT1-7	1	5/19/1999	05602		2.0	12/24/2000
Long Description:										
FACILITY	CMP	**0000013157**	CLOSE	500-02-SF6 DEWPOINTS BT 1-7 BKR	1	3/5/1999	05602	71685	1.5	3/4/1999
Long Description:										
FACILITY	CM	**0000003836**	CLOSE	Replace/repair defective pressure sw BT1-7	9	11/5/1998	05602	71685	16.0	3/3/1999
Long Description:	**Broken capillary tube on low press alarm/cutout pressure switch. Bkr is out of service for a scheduled outage, a new switch is ordered and will be installed**									

Redacted

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MAXIMO REPORT: EQUIPMENT HISTORY

Station: FRESH KILLS 138 **Equipment: BKR-0003081** **FK 138- BKR BT1-7**

RESP AREA	WORK TYPE	WORK NUMBER	STATUS	DESCRIPTION	PRTY	REPORT DATE	REPORTED BY	SUPV	HRS	ACTUAL FINISH
FACILITY	PM	**0000003835**	CLOSE	Perform gas leak check / Bkr BT1-7	9	11/5/1998	05602	71685	0.0	11/4/1998
Long Description: **Leak check performed/ No leaks detected**										
FACILITY	CMP	**0000003649**	CLOSE	Dew Point Gas System	9	10/23/1998	05602	71685	0.0	10/22/1998
Long Description:										

63 total work order(s) having 1167.5 hours.

Redacted

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MAXIMO REPORT: EQUIPMENT HISTORY

Station: FRESH KILLS 138 **Equipment: BKR-0003084** **FK 138- BKR BT1-8**

RESP AREA	WORK TYPE	WORK NUMBER	STATUS	DESCRIPTION	PRTY	REPORT DATE	REPORTED BY	SUPV	HRS	ACTUAL FINISH
FACILITY	CMP	**0008117088**	APPR	0500-17 - FK 138 BKR BT1-8 AIR RECEIVER INSPECT.	4	5/1/2008	MAXADMIN		0.0	
Long Description: **5 receivers X 2 hrs.= 10 hours @ 1 person**										
FACILITY	CMP-0	**0007867639**	CLOSE	0500-28 SUMMERIZATION INSP BKR BT1-8	4	2/8/2008	89260	40371	2.0	4/22/2008
Long Description:										
FACILITY	CAP	**0007582498**	WAPPR	OVERHAUL BREAKER	5	11/29/2007	85180		0.0	
Long Description:										
FACILITY	CMP	**0007527307**	CLOSE	0500-17 - FK 138 BKR BT1-8 AIR RECEIVER INSPECT.	4	11/1/2007	MAXADMIN	40371	2.0	4/18/2008
Long Description: **5 receivers X 2 hrs.= 10 hours @ 1 person**										
FACILITY	FM	**0007510480**	CLOSE	BAD THERMOSTAT IN SF6 CABINET	5	10/31/2007	81952	40371	1.0	2/11/2008
Long Description:										
FACILITY	CMP-0	**0007344890**	CLOSE	0500-28 BKR WINTERIZATION INSP BT1-8	4	10/1/2007	MAXADMIN	00422	2.0	12/2/2007
Long Description:										
FACILITY	CMP-0	**0007337456**	APPR	0500-17 ANNUAL COMPRESSOR BKR BT1-8	4	10/1/2007	MAXADMIN		0.0	
Long Description:										
FACILITY	CMP	**0006900712**	CLOSE	0500-17 - FK 138 BKR BT1-8 AIR RECEIVER INSPECT.	2	5/1/2007	MAXADMIN	40371	1.5	5/20/2007
Long Description: **5 receivers X 2 hrs.= 10 hours @ 1 person**										
FACILITY	CMP	**0006651575**	CLOSE	0500-28 SUMMERIZATION INSP BKR BT1-8	2	3/1/2007	MAXADMIN	40371	2.0	4/30/2007
Long Description:										
FACILITY	CMP	**0006232423**	CLOSE	0500-17 - FK 138 BKR BT1-8 AIR RECEIVER INSPECT.	2	11/1/2006	MAXADMIN	40371	1.5	12/31/2006
Long Description: **5 receivers X 2 hrs.= 10 hours @ 1 person**										
FACILITY	CMP	**0006094300**	CLOSE	0500-17 ANNUAL COMPRESSOR BKR BT1-8	2	9/30/2006	MAXADMIN	40371	2.0	11/19/2006
Long Description:										
FACILITY	CMP	**0006076901**	CLOSE	0500-28 BKR WINTERIZATION INSP BT1-8	2	9/30/2006	MAXADMIN	40371	2.0	10/29/2006
Long Description:										
FACILITY	DT	**0005638450**	CLOSE	BKR- BT1-8 (DT)	2	5/16/2006	40371	40371	116.0	11/10/2006
Long Description:										

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MAXIMO REPORT: EQUIPMENT HISTORY

Station: FRESH KILLS 138 **Equipment: BKR-0003084** **FK 138- BKR BT1-8**

RESP AREA	WORK TYPE	WORK NUMBER	STATUS	DESCRIPTION	PRTY	REPORT DATE	REPORTED BY	SUPV	HRS	ACTUAL FINISH
FACILITY	CMP	**0005597878**	CLOSE	0500-17 - FK 138 BKR BT1-8 AIR RECEIVER INSPECT.	2	5/1/2006	MAXADMIN	40371	2.0	5/21/2006
Long Description: **5 receivers X 2 hrs.= 10 hours @ 1 person**										
FACILITY	EM	**0005516797**	CLOSE	FRESH KILLS - BKR. BT1-8 - CALL IN TO VERIFTY ALL PHASES ARE OPEN	3	4/7/2006	40371	40371	14.0	4/2/2006
Long Description: **D.S.BT1-8N WILL NOT OPEN ALL THE WAY - MAINTENACE CALLED IN TO VERIFY ALL PHASES ARE OPEN IN BREAKER?**										
FACILITY	CMP	**0005343196**	CLOSE	0500-28 BKR SUMMERIZATION INSP BT1-8	2	2/28/2006	MAXADMIN	40371	2.0	5/1/2006
Long Description:										
FACILITY	OH	**0005171250**	CLOSE	BKR- BT1-8 (OH)	4	1/17/2006	40371	40371	762.0	2/19/2008
Long Description:										
FACILITY	CM	**0005074625**	CLOSE	FRESH KILLS - TROUBLESHOOT AIR LEAK ON BT 1-8	3	12/21/2005	40371	40371	28.0	12/21/2005
Long Description:										
FACILITY	CMP	**0000345845**	CLOSE	0500-17 - FK 138 BKR BT1-8 AIR RECEIVER INSPECT.	2	10/28/2005	PMWOGEN	40371	2.0	11/9/2005
Long Description: **5 receivers X 2 hrs.= 10 hours @ 1 person**										
FACILITY	CMP	**0000339818**	CLOSE	0500-17 ANNUAL COMPRESSOR BKR BT1-8	2	9/25/2005	PMWOGEN	40371	2.0	12/4/2005
Long Description:										
FACILITY	CMP	**0000312963**	CLOSE	0500-17 - FK 138 BKR BT1-8 AIR RECEIVER INSPECT.	4	5/2/2005	19093	40371	2.0	6/26/2005
Long Description: **5 receivers X 2 hrs.= 10 hours @ 1 person**										
FACILITY	CMP	**0000299389**	CLOSE	0500-28 BKR SUMMERIZATION INSP BT1-8	4	2/25/2005	PMWOGEN	40371	2.0	5/21/2005
Long Description:										
FACILITY	CM	**0000294487**	CLOSE	F.K. BKR. BT1-8 REPLACE OPERATING MECHANISM	3	1/24/2005	40371	40371	56.0	1/25/2005
Long Description: **ABB rep in to remove and replace operating mechanism.**										
FACILITY	CMP	**0000277871**	CLOSE	0500-17 - FK 138 BKR BT1-8 AIR RECEIVER INSPECT.	4	10/25/2004	PMWOGEN	40371	1.5	11/12/2004
Long Description: **5 receivers X 2 hrs.= 10 hours @ 1 person**										
FACILITY	CMP	**0000277847**	CLOSE	0500-28 BKR WINTERIZATION INSP BT1-8	4	10/25/2004	PMWOGEN	40371	1.5	11/7/2004
Long Description:										

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MAXIMO REPORT: EQUIPMENT HISTORY

Station: FRESH KILLS 138 **Equipment: BKR-0003084** **FK 138- BKR BT1-8**

RESP AREA	WORK TYPE	WORK NUMBER	STATUS	DESCRIPTION	PRTY	REPORT DATE	REPORTED BY	SUPV	HRS	ACTUAL FINISH
FACILITY	CMP	**0000273110**	CLOSE	0500-17 ANNUAL COMPRESSOR BKR BT1-8	4	9/25/2004	PMWOGEN	40371	2.0	10/25/2004
Long Description:										
FACILITY	CMP	**0000253036**	CLOSE	0500-02 DEW POINT TESTING -BKR BT 1-8	4	4/25/2004	PMWOGEN	40371	0.0	7/15/2004
Long Description:										
FACILITY	CMP	**0000252195**	CLOSE	0500-17 - FK 138 BKR BT1-8 AIR RECEIVER INSPECT.	4	4/25/2004	PMWOGEN	40371	2.0	5/30/2004
Long Description:	**5 receivers X 2 hrs.= 10 hours @ 1 person**									
FACILITY	CMP	**0000244060**	CLOSE	0500-28 BKR SUMMERIZATION INSP BT1-8	4	2/28/2004	PMWOGEN	40371	1.0	4/25/2004
Long Description:										
FACILITY	JUMP	**0000243082**	CLOSE	JUMPER TAG #23186 FROM 127 TO 128 (CLEAR LOW AIR ALARM)	5	2/19/2004	84933	38948	0.0	2/23/2004
Long Description:	**to clear alarm**									
FACILITY	GC	**0000242501**	CLOSE	GAS CALL- BKR BT1-8	2	2/8/2004	51272	51272	0.0	2/8/2004
Long Description:										
FACILITY	CM	**0000242493**	CLOSE	FK BKR BT1-8 HAS GAS LEAK - LEAK CHECKED	4	2/8/2004	40371	40371	208.0	2/2/2004

Long Description: **Found no leaks at ground level. Requesting outage.**

Leak checked again 2/2/04 found nothing at ground level. still waiting on outage.

leaked checked again on 2/9/04 found nothing at ground level - still waiting for outage.

2/17/04
Rremoving gas from low side and isolating leak. Contractor (ACME)in to repair - epoxy bushing.

2/18/04
Build enclosure, remove CT cover.

2/19/04
Complete enclosure and apply peel away to remove paint - remove gas from high side.

2/20/04
Contractor sand blasted and poured seal into mold around pole 5.

Redacted

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MAXIMO REPORT: EQUIPMENT HISTORY

Station: FRESH KILLS 138 **Equipment: BKR-0003084** **FK 138- BKR BT1-8**

RESP AREA	WORK TYPE	WORK NUMBER	STATUS	DESCRIPTION	PRTY	REPORT DATE	REPORTED BY	SUPV	HRS	ACTUAL FINISH
FACILITY Long Description:	GC	**0000242483**	CLOSE	GAS CALL- BKR BT1-8	2	2/6/2004	51272	51272	0.0	2/6/2004
FACILITY Long Description:	GC	**0000242098**	CLOSE	GAS CALL- BKR BT1-8	2	2/1/2004	49417	49417	0.0	2/1/2004
FACILITY Long Description:	GC	**0000242088**	CLOSE	GAS CALL- BKR BT1-8	2	1/31/2004	51272	51272	0.0	1/31/2004
FACILITY Long Description:	GC	**0000241777**	CLOSE	GAS CALL- BKR BT1-8	2	1/30/2004	51272	51272	0.0	1/30/2004
FACILITY Long Description:	GC	**0000240228**	CLOSE	GAS CALL- BKR BT1-8	2	1/23/2004	44597	44597	0.0	1/23/2004
FACILITY Long Description:	GC	**0000240070**	CLOSE	GAS CALL- BKR BT1-8	2	1/21/2004	49417	49417	0.0	1/21/2004
FACILITY Long Description:	GC	**0000240026**	CLOSE	GAS CALL- BKR BT1-8	2	1/20/2004	03332	03332	0.0	1/20/2004
FACILITY Long Description:	GC	**0000239826**	CLOSE	GAS CALL- BKR BT1-8	2	1/16/2004	03332	03332	0.0	1/16/2004
FACILITY Long Description:	CM	**0000239656**	CLOSE	FRESH KILLS - BT1-8 - CHANGE OUT STATES BLOCKS	4	1/14/2004	40371	40371	8.0	1/25/2005
FACILITY Long Description:	GC	**0000239381**	CLOSE	GAS CALL- BKR BT1-8	2	1/9/2004	03332	03332	0.0	1/9/2004
FACILITY Long Description:	GC	**0000237106**	CLOSE	GAS CALL- BKR BT1-8	2	12/21/2003	49417	49417	0.0	12/21/2003
FACILITY Long Description:	GC	**0000234276**	CLOSE	GAS CALL- BKR BT1-8	2	11/30/2003	74840	74840	0.0	11/30/2003
FACILITY Long Description: **5 receivers X 2 hrs.= 10 hours @ 1 person**	CMP	**0000230646**	CLOSE	0500-17 - FK 138 BKR BT1-8 AIR RECEIVER INSPECT.	4	10/30/2003	PMWOGEN	40371	2.0	3/14/2004

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MAXIMO REPORT: EQUIPMENT HISTORY

Station: FRESH KILLS 138 **Equipment: BKR-0003084** **FK 138- BKR BT1-8**

RESP AREA	WORK TYPE	WORK NUMBER	STATUS	DESCRIPTION	PRTY	REPORT DATE	REPORTED BY	SUPV	HRS	ACTUAL FINISH
FACILITY Long Description:	GC	**0000227454**	CLOSE	GAS CALL- BKR BT1-8	2	10/9/2003	74840	74840	0.0	10/9/2003
FACILITY Long Description:	CMP	**0000225978**	CLOSE	0500-17 ANNUAL COMPRESSOR BKR BT1-8	4	9/30/2003	49657	40371	2.0	2/15/2004
FACILITY Long Description:	GC	**0000221033**	CLOSE	GAS CALL- BKR BT1-8	2	8/26/2003	74840	74840	0.0	8/26/2003
FACILITY Long Description:	GC	**0000210715**	CLOSE	GAS CALL- BKR BT1-8	2	6/1/2003	49417	49417	0.0	6/1/2003
FACILITY Long Description:	CMP	**0000206874**	CLOSE	0500-02 DEW POINT TESTING -BKR BT 1-8	2	5/1/2003	40371		0.0	5/30/2003
FACILITY Long Description: **5 receivers X 2 hrs.= 10 hours @ 1 person**	CMP	**0000206811**	CLOSE	0500-17 - FK 138 BKR BT1-8 AIR RECEIVER INSPECT.	2	5/1/2003	40371	40371	2.0	5/9/2003
FACILITY Long Description:	CMP	**0000206799**	CLOSE	0500-28 BKR SUMM/WINT INSP BT1-8	2	5/1/2003	40371	40371	0.0	5/9/2003
PROTSYS Long Description:	SR	**0000204992**	CLOSE	BKR- BT1-8 (DT) PST TO DOBLE	4	4/16/2003	40010		16.0	4/23/2003
FACILITY Long Description:	GC	**0000204394**	CLOSE	GAS CALL- BKR BT1-8	2	4/7/2003	16933	16933	0.0	4/7/2003
FACILITY Long Description:	GC	**0000200436**	CLOSE	GAS CALL- BKR BT1-8	2	3/11/2003	03332	03332	0.0	3/11/2003
FACILITY Long Description:	CM	**0000198294**	CLOSE	FK 138 K.V. BKR BT1-8 LOW HYDRAULIC FLUID	4	2/28/2003	16933	20130	1.0	3/4/2003
FACILITY Long Description:	GC	**0000198072**	CLOSE	GAS CALL- BKR BT1-8	2	2/26/2003	49417	49417	0.0	2/26/2003
FACILITY Long Description:	GC	**0000197843**	CLOSE	GAS CALL- BKR BT1-8	2	2/25/2003	49417	49417	0.0	2/25/2003
FACILITY Long Description:	GC	**0000197428**	CLOSE	GAS CALL- BKR BT1-8	2	2/19/2003	44597	44597	0.0	2/19/2003

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MAXIMO REPORT: EQUIPMENT HISTORY

Station: FRESH KILLS 138 **Equipment: BKR-0003084** **FK 138- BKR BT1-8**

RESP AREA	WORK TYPE	WORK NUMBER	STATUS	DESCRIPTION	PRTY	REPORT DATE	REPORTED BY	SUPV	HRS	ACTUAL FINISH
FACILITY	GC	**0000194580**	CLOSE	GAS CALL- BKR BT1-8	2	1/28/2003	51272		0.0	2/2/2003
Long Description:										
FACILITY	GC	**0000194487**	CLOSE	GAS CALL- BKR BT1-8	2	1/27/2003	03332		0.0	1/28/2003
Long Description:										
FACILITY	CM	**0000194413**	CLOSE	FRESH KILLS - BKR. BT1-8 -TANK HEATERS NOT WORK	4	1/26/2003	40371	44667	16.0	1/26/2003
Long Description:										
FACILITY	GC	**0000193934**	CLOSE	GAS CALL- BKR BT1-8	2	1/20/2003	51272		0.0	1/23/2003
Long Description:										
FACILITY	CM	**0000191095**	CLOSE	FK BKR BT1-8 HAS GAS LEAK - OUTAGE REQUIRED	4	12/30/2002	40371	40371	8.0	2/22/2004
Long Description:	**Found no leaks at ground level. Requesting outage.**									
FACILITY	CM	**0000191092**	CLOSE	FK BKR BT1-8 HAS GAS LEAK	2	12/30/2002	74840		0.0	12/30/2002
Long Description:										
FACILITY	GC	**0000191085**	CLOSE	GAS CALL- BKR BT1-8	2	12/30/2002	74840		0.0	12/30/2002
Long Description:										
FACILITY	DT	**0000185718**	CLOSE	BKR- BT1-8 (DT)	2	11/13/2002	40371	81886	64.0	4/23/2003
Long Description:										
FACILITY	CMP	**0000184244**	CLOSE	0500-17 - FK 138 BKR BT1-8 AIR RECEIVER INSPECT.	2	11/1/2002	40371	83932	2.0	12/22/2002
Long Description:	**5 receivers X 2 hrs.= 10 hours @ 1 person**									
FACILITY	CMP	**0000184226**	CLOSE	0500-28 BKR SUMM/WINT INSP BT1-8	2	11/1/2002	40371	52581	1.5	11/12/2002
Long Description:										

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MAXIMO REPORT: EQUIPMENT HISTORY

Station: FRESH KILLS 138 **Equipment: BKR-0003084** **FK 138- BKR BT1-8**

RESP AREA	WORK TYPE	WORK NUMBER	STATUS	DESCRIPTION	PRTY	REPORT DATE	REPORTED BY	SUPV	HRS	ACTUAL FINISH
FACILITY	INS	**0000183196**	CLOSE	FRESH KILLS - BKR. BT 1-8 INSPECTION & TIMING	4	10/29/2002	40371	16791	16.0	11/4/2002

Long Description: **During the 10/25/02 open-auto operation of TR#22E (for fault on FDR 21212L in the 33kV yard) an over-trip condition caused Ckt Bkr BT1-9 to open. The breaker failure back-up timers for Circuit Breaker BT1-8 were tested satisfactory. This means that Breaker BT1-8 may have had a slow open operation.**

Please prepare a MAXIMO Work Order for Fresh Kills Circuit Breaker BT1-8 for a thorough inspection of all operating mechanism associated with tripping and closing the breaker. The inspection shall include a thorough cleaning and lubrication of the operating mechanism followed by timing tests.

—Original Message—
From: Graf, Harry
Sent: Tuesday, May 01, 2001 3:12 PM
To: Dilillo, Patrick
Subject: FW: Fresh Kills Bkr BT1-8 Slow Open on 4/29/01

FYI

—Original Message—
From: Graf, Harry
Sent: Tuesday, May 01, 2001 12:18 PM
To: Bazigos, Nicholas
Cc: Isecke, John C.; Hake, Martin; Cona, John; Vieira, Peter; Lauro, Henry; Garzaniti, Michael N
Subject: Fresh Kills Bkr BT1-8 Slow Open on 4/29/01

Nick,

Here are the circuit breaker timing test results for Fresh Kills Bkr BT1-8. The tests were performed to investigate the cause for the slow open operation (of Bkr BT1-8) during the Open - Auto operation of TR#22E on 4/29/01.

Breaker BT1-8 Timing Test Results:

PHASE	TEST #1 OPEN	TEST #2 CLOSE	TEST#3 OPEN	TEST #4 CLOSE	TEST #5 OPEN
A	43 ms	111 ms	26 ms	112 ms	27 ms
B	42 ms	111 ms	25 ms	112 ms	28 ms
C	38 ms	111 ms	24 ms	113 ms	25 ms

It is apparent (from the open test timing results) that the circuit breaker opening-time improved after successive circuit breaker operations. The results indicate that the Bkr BT1-8 might have had an initial sluggish open operation, which was the cause for the circuit breaker failure timer to time out. This scenario had also occurred on 11/4/99. The recurring sluggish operation (for the first open operation when not exercised) can indicate that the circuit breaker's operating mechanism is binding and requires a thorough inspection and lubrication.

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MAXIMO REPORT: EQUIPMENT HISTORY

Station: FRESH KILLS 138 **Equipment: BKR-0003084** **FK 138- BKR BT1-8**

RESP AREA	WORK TYPE	WORK NUMBER	STATUS	DESCRIPTION	PRTY	REPORT DATE	REPORTED BY	SUPV	HRS	ACTUAL FINISH
				I have requested the Area SSO Management to schedule the circuit for a complete maintenance inspection, which shall include lubrication of all operating mechanism. The previous breaker inspection was completed on 4/27/93.						
FACILITY Long Description:	CMP	**0000177957**	CLOSE	0500-17 ANNUAL COMPRESSOR BKR BT1-8	2	10/1/2002	40371	52581	8.0	10/8/2002
FACILITY Long Description:	GC	**0000166693**	CLOSE	GAS CALL- BKR BT1-8	2	6/28/2002	19093		0.0	7/16/2002
PROTSYS Long Description:	SR	**0000165399**	CLOSE	FRESH KILLS BKR 1-8 LOW GAS RESEARCH	5	6/17/2002	40010		8.0	7/15/2002
FACILITY Long Description:	CM	**0000164838**	CLOSE	BT1-8 AIR TANK DRAIN VALVE **Unable to open air tank drain valve by HAND....did not want to use wrench,in case valve might break lubricated and used little muscle.**	4	6/9/2002	49417	52581	2.0	6/18/2002
FACILITY Long Description:	GC	**0000164395**	CLOSE	GAS CALL- BKR BT1-8	2	6/4/2002	19093		0.0	6/4/2002
FACILITY Long Description:	CMP	**0000160377**	CLOSE	0500-28 BKR SUMM/WINT INSP BT1-8	2	5/1/2002	40371	52581	1.5	6/4/2002
FACILITY Long Description:	CMP	**0000160364**	CLOSE	0500-02 DEW POINT TESTING -BKR BT 1-8	2	5/1/2002	40371		0.0	6/12/2002
FACILITY Long Description:	JUMP	**0000159046**	CLOSE	BT 1-8 TIMER	5	4/28/2002	15321		0.0	5/15/2002
FACILITY Long Description:	JUMP	**0000159045**	CLOSE	BT 1-8 TRIP CKT	5	4/28/2002	15321		0.0	5/15/2002
FACILITY Long Description:	JUMP	**0000159044**	CLOSE	BT 1-8 TRIPCIRCUIT	5	4/28/2002	15321		0.0	5/15/2002
FACILITY Long Description:	JUMP	**0000159043**	CLOSE	BT 1-8 CLOSING CIRCUIT	5	4/28/2002	15321		0.0	5/15/2002
FACILITY Long Description:	GC	**0000149110**	CLOSE	GAS CALL- BKR BT1-8	2	2/14/2002	19093		0.0	2/14/2002

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MAXIMO REPORT: EQUIPMENT HISTORY

Station: FRESH KILLS 138 **Equipment: BKR-0003084** **FK 138- BKR BT1-8**

RESP AREA	WORK TYPE	WORK NUMBER	STATUS	DESCRIPTION	PRTY	REPORT DATE	REPORTED BY	SUPV	HRS	ACTUAL FINISH
FACILITY	CM	**0000145207**	CLOSE	FRESH KILLS - BKR. BT 1-8 - INSTALL PRESSURE GAUGE	2	1/16/2002	40371	52581	16.0	1/17/2002
Long Description: **installed new pressure gauge**										
FACILITY	GC	**0000141915**	CLOSE	GAS CALL- BKR BT1-8	1	12/22/2001	19093		0.0	12/23/2001
Long Description:										
FACILITY	CMP	**0000135158**	CLOSE	0500-28 BKR SUMM/WINT INSP BT1-8	9	10/29/2001	40371	52581	1.5	11/2/2001
Long Description: **10-30-01 JOB COMPLETED COOHILL AND KOEHLER**										
FACILITY	GC	**0000130435**	CLOSE	GAS CALL- BKR BT1-8	1	9/30/2001	03332		0.0	10/1/2001
Long Description:										
FACILITY	CMP	**0000128854**	CLOSE	0500-17 ANNUAL COMPRESSOR BKR BT1-8	9	9/20/2001	40371	52581	24.0	10/7/2001
Long Description: **10-03-01 INSPECTION COMPLETED P. REHA**										
FACILITY	GC	**0000122089**	CLOSE	GAS CALL- BKR BT1-8	1	7/27/2001	03332		0.0	7/30/2001
Long Description:										
FACILITY	CMP	**0000112157**	CLOSE	0500-02 DEW POINT TESTING -BKR BT 1-8	1	5/1/2001	40371	16791	0.5	6/25/2001
Long Description:										
FACILITY	CMP	**0000112131**	CLOSE	0500-28 BKR SUMM/WINT INSP BT1-8	9	5/1/2001	40371	16791	1.5	6/25/2001
Long Description:										
FACILITY	GC	**0000108538**	CLOSE	GAS CALL- BKR BT1-8	1	4/4/2001	19131		0.0	4/5/2001
Long Description:										
FACILITY	GC	**0000101515**	CLOSE	GAS CALL- BKR BT1-8	1	3/4/2001	03332		0.0	3/5/2001
Long Description:										
FACILITY	GC	**0000101488**	CLOSE	GAS CALL- BKR BT1-8	1	3/3/2001	16933		0.0	3/5/2001
Long Description:										
FACILITY	GC	**0000098275**	CLOSE	GAS CALL- BKR BT1-8	1	2/11/2001	74840		0.0	2/12/2001
Long Description:										
FACILITY	CMP	**0000096172**	CLOSE	0500-02 DEW POINT TESTING -BKR BT 1-8	1	1/31/2001	40371	16791	0.5	2/17/2001
Long Description:										

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MAXIMO REPORT: EQUIPMENT HISTORY

Station: FRESH KILLS 138 **Equipment: BKR-0003084** **FK 138- BKR BT1-8**

RESP AREA	WORK TYPE	WORK NUMBER	STATUS	DESCRIPTION	PRTY	REPORT DATE	REPORTED BY	SUPV	HRS	ACTUAL FINISH
FACILITY	CM	**0000092120**	CLOSE	FRESH KILLS - BKR. BT1-8	9	12/28/2000	40371	49657	0.0	1/29/2001
Long Description:	**added oil to gas compressor - set up gas cart - repaired valves**									
FACILITY	GC	**0000091752**	CLOSE	FK 138-GAS CALL GCB BT1-8	1	12/23/2000	44597		0.0	12/24/2000
Long Description:										
FACILITY	GC	**0000089535**	CLOSE	GAS CALL- BKR BT1-8	2	12/20/2000	19093		0.0	2/10/2003
Long Description:										
FACILITY	CM	**0000080119**	CLOSE	FK BKR BT1-8 MECHANICAL INDICATOR DEFECTIVE	9	11/12/2000	74840	49657	8.0	11/5/2001
Long Description:	**When last opened, Indicator only rotated half way to "OPEN" from "CLOSED" position. Cannot be sure if breaker has fully opened, needs to be adjusted ASAP 11-03-01 mechanical indication was adjusted. Valenti and Milo**									
FACILITY	CMP	**0000078362**	CLOSE	0500-28 BKR SUMM/WINT INSP BT1-8	9	10/31/2000	40371	49657	1.5	12/21/2000
Long Description:										
FACILITY	CMP	**0000078349**	CLOSE	0500-02 DEW POINT TESTING -BKR BT 1-8	1	10/31/2000	40371	49657	2.0	12/18/2000
Long Description:										
FACILITY	CMP	**0000074598**	CLOSE	0500-17 ANNUAL COMPRESSOR BKR BT1-8	9	9/28/2000	40371	49657	16.0	1/10/2001
Long Description:										
FACILITY	CMP	**0000068332**	CLOSE	0500-02 DEW POINT TESTING -BKR BT 1-8	1	7/27/2000	40371	49657	3.0	8/7/2000
Long Description:	**WORKING WITH CHEM LAB**									
FACILITY	CMP	**0000059550**	CLOSE	0500-02-SF6 DEWPOINTS BT 1-8 BKR	1	5/1/2000	40371		0.0	5/31/2000
Long Description:	**astoria chem lab - takes dewpoint, as per supervisor P. Vieria.**									
FACILITY	GC	**0000057742**	CLOSE	FK 138-GAS CALL GCB BT1-8	1	4/19/2000	49417		0.0	4/24/2000
Long Description:										
FACILITY	CMP	**0000051427**	CLOSE	0500-02-SF6 DEWPOINTS BT 1-8 BKR	1	2/28/2000	40371	49657	0.5	4/6/2000
Long Description:										
FACILITY	CM	**0000047698**	CLOSE	FRESH KILLS S/S - BKR. BT1-8	9	1/21/2000	40371	49657	49.5	2/1/2000
Long Description:	**ALARM - TEMP - HIGH PRESSURE - TROUBLE SHOOT - FOUND DEFECTIVE GAUGE AND INSTALLING SAME. - ALSO INSTALLED NEW THERMOSTAT FOR MAIN HEATER.**									

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MAXIMO REPORT: EQUIPMENT HISTORY

Station: FRESH KILLS 138 **Equipment: BKR-0003084** **FK 138- BKR BT1-8**

RESP AREA	WORK TYPE	WORK NUMBER	STATUS	DESCRIPTION	PRTY	REPORT DATE	REPORTED BY	SUPV	HRS	ACTUAL FINISH
FACILITY	GC	**0000044472**	CLOSE	FK 138-GAS CALL GCB BT1-8	1	12/13/1999	49417		0.0	12/15/1999
Long Description:										
FACILITY	CMP	**0000043880**	CLOSE	0500-28 WINTERIZATION BKR - BT1-8	9	12/7/1999	40371	49657	1.5	12/7/1999
Long Description:										
FACILITY	CMP	**0000042922**	CLOSE	0500-02-SF6 DEWPOINTS BT 1-8 BKR	1	12/1/1999	40371	49657	1.0	11/30/1999
Long Description:										
FACILITY	CM	**0000040428**	CLOSE	FRESH KILLS S/S - BT1-8	9	11/5/1999	40371	49657	14.0	11/8/1999
Long Description: **RETIMING BKR. - TRIPOUT INVOLVING TRANSF 22E - RACOON FOUND DEAD IN 33KV YARD.**										
FACILITY	GC	**0000035875**	CLOSE	FK 138-GAS CALL GCB BT1-8	1	10/4/1999	49417		0.0	10/8/1999
Long Description:										
FACILITY	GC	**0000031569**	CLOSE	FK 138-GAS CALL GCB BT1-8	1	8/29/1999	49417		0.0	9/3/1999
Long Description:										
FACILITY	CMP	**0000024377**	CLOSE	500-02-SF6 DEWPOINTS BT 1-8 BKR	1	6/24/1999	40371	71685	0.5	6/23/1999
Long Description:										
FACILITY	GC	**0000019118**	CLOSE	FK 138-GAS CALL GCB BT1-8	1	5/19/1999	05602		5.0	12/24/2000
Long Description:										
FACILITY	CMP	**0000013156**	CLOSE	500-02-SF6 DEWPOINTS BT 1-8 BKR	1	3/5/1999	05602	71685	1.5	3/5/1999
Long Description:										
FACILITY	CM	**0000003898**	CLOSE	BKR BT 1-8 / FK / LEAK CHECK	9	11/6/1998	05602	71685	0.0	11/19/1998
Long Description: **Found leak on fitting in control cab / tightened same**										
FACILITY	CMP	**0000003650**	CLOSE	Dew Point Gas System	9	10/23/1998	05602	71685	0.0	10/22/1998
Long Description:										

118 total work order(s) having 1526 hours.

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MAXIMO REPORT: EQUIPMENT HISTORY

Station: GOETHALS **Equipment: BKR-0003186** **GOETH-CIRCUIT BREAKER 8**

RESP AREA	WORK TYPE	WORK NUMBER	STATUS	DESCRIPTION	PRTY	REPORT DATE	REPORTED BY	SUPV	HRS	ACTUAL FINISH
FACILITY	CM	**0008219056**	WAPPR	BREAKER # 8 HYDROLIC SYSTEM	5	6/4/2008	08357		0.0	
Long Description:	**constant pressure drop over short period of time. Anywhere from 4 to 5 days.**									
FACILITY	CM	**0008219048**	WAPPR	BREAKER # 8 AUTO-PUMP CONTROL CIRCUIT NOT WORKING	5	6/4/2008	08357		0.0	
Long Description:	**hydrolic pressure decreases the pump should be activated and repressurize the breaker system, this does not happen**									
FACILITY	ALARM	**0008197155**	WAPPR	BKR 8 LOW HYDROLIC PRESSURE ALARM	5	6/1/2008	49417		0.0	
Long Description:	**second time in 2 days low hydrolic pressure alarm came up. Breaker was pumped up to 5200psi found at 4600 psi within 24 hours. There are no visible oil leaks around breaker. Hyrodrolic storage tank at normal mark.**									
FACILITY	CAP	**0007907011**	WAPPR	BREAKER OVERHAUL	5	2/27/2008	85180		0.0	
Long Description:										
FACILITY	CMP-0	**0007868933**	CLOSE	0500-28 SUMMERIZATION INSP BKR 8	4	2/8/2008	89260	40371	2.0	4/25/2008
Long Description:										
FACILITY	CMP-0	**0007346069**	CLOSE	0500-28 WINTERIZATION INSP BKR 8	4	10/1/2007	MAXADMIN	40371	2.0	11/17/2007
Long Description:										
FACILITY	CMP	**0006651881**	CLOSE	0500-28 SUMMERIZATION INSP BKR 8	2	3/1/2007	MAXADMIN	40371	1.0	4/2/2007
Long Description:										
FACILITY	CM	**0006474980**	CLOSE	BKR #8 HEATER NOT WORKING	5	1/19/2007	49417	40371	4.0	1/26/2007
Long Description:										
FACILITY	CMP	**0005977319**	CLOSE	0500-28 BKR WINTERIZATION INSP 8	2	8/31/2006	MAXADMIN	40371	3.0	10/1/2006
Long Description:										
FACILITY	CMP	**0005341232**	CLOSE	0500-28 BKR SUMMERIZATION INSP 8	2	2/28/2006	MAXADMIN	40371	2.0	4/9/2006
Long Description:										
FACILITY	CMP	**0000334338**	CLOSE	0500-28 BKR WINTERIZATION INSP 8	2	8/25/2005	PMWOGEN	40371	4.0	9/19/2005
Long Description:										
FACILITY	CMP	**0000301204**	CLOSE	0500-28 BKR SUMMERIZATION INSP 8	4	2/25/2005	PMWOGEN	40371	4.0	3/29/2005
Long Description:										
FACILITY	GC	**0000285089**	CLOSE	GAS CALL- BKR 8	2	12/12/2004	40371	40371	9.0	12/12/2004
Long Description:										

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MAXIMO REPORT: EQUIPMENT HISTORY

Station: GOETHALS **Equipment: BKR-0003186** **GOETH-CIRCUIT BREAKER 8**

RESP AREA	WORK TYPE	WORK NUMBER	STATUS	DESCRIPTION	PRTY	REPORT DATE	REPORTED BY	SUPV	HRS	ACTUAL FINISH
FACILITY Long Description:	GC	**0000284562**	CLOSE	GAS CALL- BKR 8	2	12/5/2004	40371	40371	14.0	12/5/2004
FACILITY Long Description:	GC	**0000276402**	CLOSE	GAS CALL- BKR 8	2	10/11/2004	40371	40371	2.0	10/11/2004
FACILITY Long Description:	GC	**0000275686**	CLOSE	GAS CALL- BKR 8	2	10/3/2004	40371	40371	4.0	10/3/2004
FACILITY Long Description:	GC	**0000275004**	CLOSE	GAS CALL- BKR 8	2	9/26/2004	40371	40371	0.0	9/26/2004
FACILITY Long Description:	CM	**0000271481**	CLOSE	GOETHALS - BKR. 8 - REPAIR GAS LEAK - ONGOING LEAK	3	9/12/2004	40371	40371	221.0	4/19/2005
FACILITY Long Description:	GC	**0000271480**	CLOSE	GAS CALL- BKR 8	2	9/12/2004	40371	40371	3.0	9/12/2004
FACILITY Long Description:	GC	**0000270923**	CLOSE	GAS CALL- BKR 8	2	9/4/2004	40371	40371	2.0	9/4/2004
FACILITY Long Description:	CMP	**0000269971**	CLOSE	0500-28 BKR WINTERIZATION INSP 8	4	8/25/2004	PMWOGEN	40371	2.0	10/10/2004
FACILITY Long Description:	GC	**0000268443**	CLOSE	GAS CALL- BKR 8	2	8/22/2004	40371	40371	4.0	8/22/2004
FACILITY Long Description:	GC	**0000268032**	CLOSE	GAS CALL- BKR 8	2	8/15/2004	40371	40371	4.0	8/15/2004
FACILITY Long Description:	GC	**0000266313**	CLOSE	GAS CALL- BKR 8	2	8/1/2004	40371	40371	8.0	8/1/2004
FACILITY Long Description:	GC	**0000264256**	CLOSE	GAS CALL- BKR 8	2	7/21/2004	40371	40371	8.0	7/21/2004
FACILITY Long Description:	GC	**0000263537**	CLOSE	GAS CALL- BKR 8	2	7/11/2004	40371	40371	8.0	7/11/2004
FACILITY Long Description:	GC	**0000263044**	CLOSE	GAS CALL- BKR 8	2	7/5/2004	40371	40371	2.0	7/5/2004

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MAXIMO REPORT: EQUIPMENT HISTORY

Station: GOETHALS **Equipment: BKR-0003186** **GOETH-CIRCUIT BREAKER 8**

RESP AREA	WORK TYPE	WORK NUMBER	STATUS	DESCRIPTION	PRTY	REPORT DATE	REPORTED BY	SUPV	HRS	ACTUAL FINISH
FACILITY Long Description:	GC	**0000262333**	CLOSE	GAS CALL- BKR 8	2	6/27/2004	40371	40371	2.0	6/27/2004
FACILITY Long Description:	GC	**0000260092**	CLOSE	GAS CALL- BKR 8	2	6/20/2004	40371	40371	6.0	6/20/2004
FACILITY Long Description:	GC	**0000259015**	CLOSE	GAS CALL- BKR 8	2	6/6/2004	40371	40371	6.0	6/6/2004
FACILITY Long Description:	GC	**0000255435**	CLOSE	GAS CALL- BKR 8	2	5/23/2004	40371	40371	4.0	5/23/2004
FACILITY Long Description:	GC	**0000254275**	CLOSE	GAS CALL- BKR 8	2	5/9/2004	40371	40371	0.0	5/9/2004
FACILITY Long Description:	GC	**0000251866**	CLOSE	GAS CALL- BKR 8	2	4/25/2004	40371	40371	0.0	4/27/2004
FACILITY Long Description:	GC	**0000250229**	CLOSE	GAS CALL- BKR 8	2	3/28/2004	40371	40371	4.0	3/28/2004
FACILITY Long Description: **Original work order 202772 closed out too soon, needed to charge 16 more hours towards DT.**	DT	**0000247485**	CLOSE	BKR- 8 (DT) - SUB WORK ORDER OF 202772***	3	3/7/2004	40371	40371	16.0	3/26/2004
PROTSYS Long Description:	SR	**0000247291**	CLOSE	BKR- 8 (DT) - PST DOBBLE BKR.	3	3/4/2004	40371	40371	16.0	4/1/2004
FACILITY Long Description:	CMP	**0000245882**	CLOSE	0500-28 BKR SUMMERIZATION INSP 8	4	2/28/2004	PMWOGEN	40371	2.0	3/22/2004
FACILITY Long Description:	GC	**0000242500**	CLOSE	GAS CALL- BKR 8	2	2/8/2004	40371	40371	4.0	2/8/2004
FACILITY Long Description:	GC	**0000237103**	CLOSE	GAS CALL- BKR 8	2	12/21/2003	40371	40371	3.0	12/21/2003
FACILITY Long Description:	GC	**0000232842**	CLOSE	GAS CALL- BKR 8	2	11/24/2003	40371	40371	2.0	11/24/2003
FACILITY Long Description:	GC	**0000232310**	CLOSE	GAS CALL- BKR 8	2	11/14/2003	40371	40371	2.0	11/14/2003

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MAXIMO REPORT: EQUIPMENT HISTORY

Station: GOETHALS **Equipment: BKR-0003186** **GOETH-CIRCUIT BREAKER 8**

RESP AREA	WORK TYPE	WORK NUMBER	STATUS	DESCRIPTION	PRTY	REPORT DATE	REPORTED BY	SUPV	HRS	ACTUAL FINISH
FACILITY Long Description:	GC	**0000231760**	CLOSE	GAS CALL- BKR 8	2	11/4/2003	40371	40371	4.0	11/4/2003
FACILITY Long Description:	GC	**0000228563**	CLOSE	GAS CALL- BKR 8	2	10/22/2003	40371	40371	0.0	10/22/2003
FACILITY Long Description:	GC	**0000227656**	CLOSE	GAS CALL- BKR 8	2	10/13/2003	40371	40371	2.0	10/13/2003
FACILITY Long Description:	GC	**0000227068**	CLOSE	GAS CALL- BKR 8	2	10/5/2003	40371	40371	4.0	10/5/2003
FACILITY Long Description:	GC	**0000225849**	CLOSE	GAS CALL- BKR 8	2	9/29/2003	40371	40371	2.0	9/29/2003
FACILITY Long Description:	GC	**0000221932**	CLOSE	GAS CALL- BKR 8	2	9/2/2003	40371	40371	2.0	9/2/2003
FACILITY Long Description:	GC	**0000220628**	CLOSE	GAS CALL- BKR 8	2	8/25/2003	40371	40371	2.0	8/25/2003
FACILITY Long Description:	GC	**0000219901**	CLOSE	GAS CALL- BKR 8	2	8/11/2003	40371	40371	8.0	8/11/2003
FACILITY Long Description:	GC	**0000218836**	CLOSE	GAS CALL- BKR 8	2	8/4/2003	40371	40371	4.0	8/4/2003
FACILITY Long Description:	GC	**0000217431**	CLOSE	GAS CALL- BKR 8	2	7/28/2003	49657	49657	12.0	7/28/2003
FACILITY Long Description:	GC	**0000212589**	CLOSE	GAS CALL- BKR 8	2	6/13/2003	16933	16933	0.0	6/13/2003
FACILITY Long Description:	CMP	**0000210768**	CLOSE	0500-28 BKR SUMM/WINT INSP 8	2	6/1/2003	40371	40371	2.0	6/6/2003
FACILITY Long Description:	GC	**0000208957**	CLOSE	GAS CALL- BKR 8	2	5/18/2003	40371	40371	4.0	5/18/2003
FACILITY Long Description:	GC	**0000207815**	CLOSE	GAS CALL- BKR 8	2	5/4/2003	40371	40371	8.0	5/4/2003

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MAXIMO REPORT: EQUIPMENT HISTORY

Station: GOETHALS **Equipment: BKR-0003186** **GOETH-CIRCUIT BREAKER 8**

RESP AREA	WORK TYPE	WORK NUMBER	STATUS	DESCRIPTION	PRTY	REPORT DATE	REPORTED BY	SUPV	HRS	ACTUAL FINISH
FACILITY	DT	**0000202772**	CLOSE	BKR- 8 (DT)	3	3/31/2003	40371	40371	64.0	3/1/2004
Long Description:										
FACILITY	CM	**0000198978**	CLOSE	GOETHALS - BKR. #8 ADD GAS	4	3/3/2003	40371	81886	8.0	3/4/2003
Long Description:	**Added 10 lbs**									
FACILITY	CM	**0000196523**	CLOSE	GOETHALS - BKR. #8 ADD GAS	4	2/6/2003	40371	20130	3.0	2/9/2003
Long Description:	**Added 10 lbs**									
FACILITY	INFO	**0000196351**	CLOSE	BKR 8 O/A	1	2/4/2003	14091		0.0	2/4/2003

Long Description:

STATION: GOETHALS
CURRENT
SCHEDULED PROJECTED
EQUIPMENT TYPE REASON OOS DATE RETURN RETURN DATE
Bkr 8 O/A 2/4/03 1:24
DISCREPANCY BKR 8 OPENS AUTO
STATUS AS OF 2/4/03
0124 Bkr 8 O/A
Target: MC 86-1/F26 and LCB 1 Trip
0146 Operator reports cross-over alarm on Fdrs 25/26. Cross-over is closed
0148 Operator on orders to open cross-over valve. Alarm is cleared. LCB trip target reset.
0210 Bkr 8 is restored to service. PST to investigate cause of trip out.
CONTACT PERSON:

FACILITY	CM	**0000194412**	CLOSE	GOETHALS - BKR. #8 ADD GAS	4	1/26/2003	40371	81886	8.0	1/26/2003
Long Description:	**Added 6 lbs**									
FACILITY	CM	**0000193334**	CLOSE	GOETHALS - BKR. #8 ADD GAS	4	1/12/2003	40371	38948	8.0	1/17/2003
Long Description:	**Added 8 lbs**									
FACILITY	CMP	**0000191250**	CLOSE	0500-28 BKR SUMM/WINT INSP 8	2	12/30/2002	40371	44667	2.0	1/5/2003
Long Description:										
FACILITY	CM	**0000189725**	CLOSE	GOETHALS - BKR. #8 ADD GAS	4	12/15/2002	40371	52581	8.0	12/15/2002
Long Description:										
FACILITY	CM	**0000188486**	CLOSE	GOETHALS - BKR. #8 ADD GAS	4	12/5/2002	40371	52581	4.0	12/8/2002
Long Description:										

Redacted

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MAXIMO REPORT: EQUIPMENT HISTORY

Station: GOETHALS **Equipment: BKR-0003186** **GOETH-CIRCUIT BREAKER 8**

RESP AREA	WORK TYPE	WORK NUMBER	STATUS	DESCRIPTION	PRTY	REPORT DATE	REPORTED BY	SUPV	HRS	ACTUAL FINISH
FACILITY	CM	**0000186078**	CLOSE	GOETHALS - BKR. #8 ADD GAS	4	11/18/2002	40371	52581	4.0	11/19/2002
Long Description:										
FACILITY	CM	**0000180009**	CLOSE	BKR. # 8 ADD GAS TO A PHASE	4	10/10/2002	49417	52581	8.0	10/11/2002
Long Description:										
FACILITY	CM	**0000177011**	CLOSE	BKR. # 8 LEAK CHECK BREAKER AFTER ADDING GAS	4	9/26/2002	49417	52581	4.0	9/30/2002
Long Description:										
FACILITY	CM	**0000176742**	CLOSE	GOETHALS - BKR. #8 - REPAIR GAS LEAK	3	9/23/2002	40371	18640	10.0	6/9/2003
Long Description:	**Bkr. needs to be taken out of service to repair ongoing gas leak.**									
	On 6-6-03 breaker taken out of service on cat #1 gas leaking out from o ring A phase. Replaced with new o ring and put breaker back in service.									
FACILITY	CM	**0000176351**	CLOSE	BKR. # 8 ADD GAS TO C PHASE	4	9/21/2002	49417	52581	4.0	9/30/2002
Long Description:										
FACILITY	CM	**0000175844**	CLOSE	GOETHALS - BKR. #8 ADD GAS	4	9/16/2002	40371	52581	8.0	9/16/2002
Long Description:										
FACILITY	CM	**0000173806**	CLOSE	GOETHALS - BKR #8 - ADD GAS (SF6)	4	9/2/2002	40371	52581	8.0	9/2/2002
Long Description:										
FACILITY	CM	**0000172736**	CLOSE	GOETHALS - BKR #8 - ADD GAS (SF6)	4	8/26/2002	40371	52581	6.0	8/27/2002
Long Description:										
FACILITY	CM	**0000172088**	CLOSE	GOETHALS - BKR #8 - ADD SF6 GAS	4	8/16/2002	40371	49657	8.0	8/19/2002
Long Description:										
FACILITY	CM	**0000169377**	CLOSE	GOETHALS - BKR. 8 - REPAIR AIR LEAK	2	7/25/2002	40371	52581	18.0	7/30/2002
Long Description:	**L>G>A> and repair leak from o- ring.**									
FACILITY	CMP	**0000156177**	CLOSE	0500-28 BKR SUMM/WINT INSP 8	2	4/2/2002	40371	52581	1.5	5/6/2002
Long Description:										
FACILITY	ALARM	**0000152294**	CLOSE	BKR.#8 MISC. ALARM POSSIBLE LOW HYDROLIC OIL	4	3/5/2002	49417	52581	12.0	3/12/2002
Long Description:	**3-08-02 added hydl. oil to breaker F.Valenti**									
FACILITY	ENVCC	**0000149409**	CLOSE	GOETHALS - BKR. #8 CLEAN UP	4	2/19/2002	40371	52581	8.0	2/19/2002
Long Description:	**clean up hydraulic leak and contained with marriage roll**									

Redacted

MAXIMO REPORT: EQUIPMENT HISTORY

Station: GOETHALS **Equipment: BKR-0003186** **GOETH-CIRCUIT BREAKER 8**

RESP AREA	WORK TYPE	WORK NUMBER	STATUS	DESCRIPTION	PRTY	REPORT DATE	REPORTED BY	SUPV	HRS	ACTUAL FINISH
FACILITY	CMP	**0000142144**	CLOSE	0500-28 BKR SUMM/WINT INSP 8	1	12/28/2001	40371	52581	9.5	1/8/2002
Long Description:										
FACILITY	CM	**0000135245**	CLOSE	GOETHALS - BKR. 8 -LOW AIR GAS ALARM	9	10/30/2001	40371	52581	20.0	10/30/2001
Long Description:	**while PST department in to do trip checks, they found bad (cracked) resistor in the low gas alarm circuit. Maintenance was called out to find and change out resistor. Had to travel from goethals to davis ave. shop and find resistor. Found 1 and replaced same but no good, had to search around and find another resistor and replaced same.**									
FACILITY	CMP	**0000122803**	CLOSE	0500-28 BKR SUMM/WINT INSP 8	1	7/31/2001	40371	52581	2.0	8/12/2001
Long Description:	**8-6-01 COMPLETED P. REHA**									
FACILITY	CMP	**0000106619**	CLOSE	0500-02 DEW POINT TESTING -BKR 8	1	4/2/2001	40371	16791	0.5	6/25/2001
Long Description:										
FACILITY	GC	**0000089544**	CLOSE	GAS CALL-CIRCUIT BKR 8	2	12/20/2000	19093		0.0	2/10/2003
Long Description:										
FACILITY	GC	**0000089540**	CLOSE	GAS CALL-CIRCUIT BKR 8	2	12/20/2000	19093		0.0	2/10/2003
Long Description:										
FACILITY	CMP	**0000074646**	CLOSE	0500-28 BKR SUMM/WINT INSP 8	1	9/28/2000	40371	49657	2.0	11/27/2000
Long Description:										
FACILITY	CMP	**0000055331**	CLOSE	0500-02-SF6 DEWPOINTS 8 BKR	1	3/31/2000	40371		0.0	5/31/2000
Long Description:	**astoria chem lab, sampling dewpoint - as per P. Vieira, supervisor.**									
FACILITY	CMP	**0000039267**	CLOSE	0500-28-CIR BKRS WINTERIZATION IN	1	10/28/1999	40371	49657	1.5	10/28/1999
Long Description:										
FACILITY	CMP	**0000020296**	CLOSE	500-28-CIR BKRS WINTERIZATION IN	1	5/26/1999	98219		0.0	5/26/1999
Long Description:										
FACILITY	GC	**0000019130**	CLOSE	GOETH-GAS CALL GCB 8	1	5/19/1999	05602		0.0	12/24/2000
Long Description:										
FACILITY	CMP	**0000003646**	CLOSE	Dew Point Gas System	9	10/23/1998	05602	71685	0.0	10/22/1998
Long Description:										

89 total work order(s) having 674 hours.

Redacted

MAXIMO REPORT: EQUIPMENT HISTORY

Station: FOX HILLS 138KV **Equipment: BKR-0003194** **FH 138-BKR 3N**

RESP AREA	WORK TYPE	WORK NUMBER	STATUS	DESCRIPTION	PRTY	REPORT DATE	REPORTED BY	SUPV	HRS	ACTUAL FINISH
FACILITY	FM	**0008175918**	APPR	3N BKR CONTROL CABINET DOOR BROKEN HINGE	5	5/27/2008	49417		0.0	
Long Description: **broken bottom hinge on left side control cabinet door**										
FACILITY	CMP	**0008022374**	CLOSE	0500-17 - FH 138-BKR 3N AIR RECEIVER INSPECT.	4	3/31/2008	MAXADMIN	40371	2.0	4/18/2008
Long Description: **69 receivers X 2 hrs= 138 hrs @ 1 person**										
FACILITY	CMP-0	**0007866427**	CLOSE	0500-28 BKR SUMMERIZATION INSP 3N	4	2/8/2008	89260	40371	2.0	3/18/2008
Long Description:										
FACILITY	CMP	**0007339424**	CLOSE	0500-17 - FH 138-BKR 3N AIR RECEIVER INSPECT.	4	10/1/2007	MAXADMIN	40371	2.0	10/28/2007
Long Description: **69 receivers X 2 hrs= 138 hrs @ 1 person**										
FACILITY	CMP-0	**0007305415**	CLOSE	0500-28 BKR WINTERIZATION INSP 3N	4	9/30/2007	MAXADMIN	00422	2.0	11/12/2007
Long Description:										
FACILITY	CMP-0	**0007279586**	CLOSE	0500-02 DEW POINT TESTING -BKR 3N	4	9/12/2007	89260	40371	0.0	9/13/2007
Long Description:										
FACILITY	CMP	**0007238809**	CLOSE	0500-17 ANNUAL COMPRESSOR BKR 3N	2	8/31/2007	MAXADMIN	40371	2.0	9/30/2007
Long Description:										
FACILITY	CMP	**0006754049**	CLOSE	0500-17 - FH 138-BKR 3N AIR RECEIVER INSPECT.	2	3/31/2007	MAXADMIN	40371	1.0	5/12/2007
Long Description: **69 receivers X 2 hrs= 138 hrs @ 1 person**										
FACILITY	CM	**0006689892**	CLOSE	FOX HILLS - BKR. 3N A/C THROWOVER SWITCH	4	3/5/2007	40371	40371	24.0	3/2/2007
Long Description: **blown fuse b phase and lubricated linkage**										
FACILITY	CMP	**0006650554**	CLOSE	0500-28 SUMMERIZATION INSP BKR 3N	2	3/1/2007	MAXADMIN	00422	2.0	4/9/2007
Long Description:										
FACILITY	CMP	**0006095103**	CLOSE	0500-17 - FH 138-BKR 3N AIR RECEIVER INSPECT.	2	9/30/2006	MAXADMIN	40371	1.5	10/8/2006
Long Description: **69 receivers X 2 hrs= 138 hrs @ 1 person**										
FACILITY	CMP	**0006077062**	CLOSE	0500-28 BKR WINTERIZATION INSP 3N	2	9/30/2006	MAXADMIN	40371	2.0	10/8/2006
Long Description:										
FACILITY	CMP	**0005990873**	CLOSE	0500-17 ANNUAL COMPRESSOR BKR 3N	2	8/31/2006	MAXADMIN	40371	1.5	9/10/2006
Long Description:										
FACILITY	DT	**0005638927**	CLOSE	BKR- 3N (DT)	2	5/16/2006	40371	40371	166.0	12/22/2006
Long Description:										

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MAXIMO REPORT: EQUIPMENT HISTORY

Station: FOX HILLS 138KV **Equipment: BKR-0003194** **FH 138-BKR 3N**

RESP AREA	WORK TYPE	WORK NUMBER	STATUS	DESCRIPTION	PRTY	REPORT DATE	REPORTED BY	SUPV	HRS	ACTUAL FINISH
FACILITY	CMP	**0005468310**	CLOSE	0500-17 - FH 138-BKR 3N AIR RECEIVER INSPECT.	2	3/31/2006	MAXADMIN	40371	2.0	4/14/2006
Long Description:	**69 receivers X 2 hrs= 138 hrs @ 1 person**									
FACILITY	CMP	**0005349780**	CLOSE	0500-28 BKR SUMMERIZATION INSP 3N	2	2/28/2006	MAXADMIN	40371	2.0	4/14/2006
Long Description:										
FACILITY	OH	**0005170533**	APPR	FH 138- BKR 3N (OH)	4	1/16/2006	40371		0.0	
Long Description:										
FACILITY	CMP	**0000339952**	CLOSE	0500-17 - FH 138-BKR 3N AIR RECEIVER INSPECT.	2	9/25/2005	PMWOGEN	40371	2.0	10/10/2005
Long Description:	**69 receivers X 2 hrs= 138 hrs @ 1 person**									
FACILITY	CMP	**0000339943**	CLOSE	0500-28 BKR WINTERIZATION INSP 3N	2	9/25/2005	PMWOGEN	40371	2.0	11/4/2005
Long Description:										
FACILITY	CMP	**0000334080**	CLOSE	0500-17 ANNUAL COMPRESSOR BKR 3N	2	8/25/2005	PMWOGEN	40371	0.0	9/11/2005
Long Description:										
FACILITY	CMP	**0000307227**	CLOSE	0500-17 - FH 138-BKR 3N AIR RECEIVER INSPECT.	4	3/25/2005	PMWOGEN	40371	2.0	6/19/2005
Long Description:	**69 receivers X 2 hrs= 138 hrs @ 1 person**									
FACILITY	CMP	**0000299517**	CLOSE	0500-28 BKR SUMMERIZATION INSP 3N	4	2/25/2005	PMWOGEN	40371	2.0	4/4/2005
Long Description:										
FACILITY	CMP	**0000273251**	CLOSE	0500-17 - FH 138-BKR 3N AIR RECEIVER INSPECT.	4	9/25/2004	PMWOGEN	40371	4.0	12/5/2004
Long Description:	**69 receivers X 2 hrs= 138 hrs @ 1 person**									
FACILITY	CMP	**0000273242**	CLOSE	0500-28 BKR WINTERIZATION INSP 3N	4	9/25/2004	PMWOGEN	40371	2.0	10/25/2004
Long Description:										
FACILITY	CMP	**0000269175**	CLOSE	0500-17 ANNUAL COMPRESSOR BKR 3N	4	8/25/2004	PMWOGEN	40371	2.0	10/1/2004
Long Description:										
FACILITY	CMP	**0000249130**	CLOSE	0500-17 - FH 138-BKR 3N AIR RECEIVER INSPECT.	4	3/25/2004	PMWOGEN	40371	2.0	5/16/2004
Long Description:	**69 receivers X 2 hrs= 138 hrs @ 1 person**									
FACILITY	JUMP	**0000248535**	CLOSE	TAG# 15234 TO CLEAR C.B. NOT CLOSED ALARM	5	3/22/2004	14038	81886	0.0	4/9/2004
Long Description:	**to clear alarm**									
FACILITY	CMP	**0000244184**	CLOSE	0500-28 BKR SUMMERIZATION INSP 3N	4	2/28/2004	PMWOGEN	40371	1.0	5/30/2004
Long Description:										

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MAXIMO REPORT: EQUIPMENT HISTORY

Station: FOX HILLS 138KV **Equipment: BKR-0003194** **FH 138-BKR 3N**

RESP AREA	WORK TYPE	WORK NUMBER	STATUS	DESCRIPTION	PRTY	REPORT DATE	REPORTED BY	SUPV	HRS	ACTUAL FINISH
FACILITY	CMP	**0000226038**	CLOSE	0500-17 - FH 138-BKR 3N AIR RECEIVER INSPECT.	4	9/30/2003	49657	40371	4.0	2/15/2004
Long Description: **69 receivers X 2 hrs= 138 hrs @ 1 person**										
FACILITY	CMP	**0000221600**	CLOSE	0500-17 ANNUAL COMPRESSOR BKR 3N	4	9/1/2003	40371	40371	2.0	6/20/2004
Long Description:										
FACILITY	GC	**0000209126**	CLOSE	GAS CALL- BKR 3N	2	5/20/2003	74840	74840	0.0	8/11/2003
Long Description:										
FACILITY	CMP	**0000203847**	CLOSE	0500-17 - FH 138-BKR 3N AIR RECEIVER INSPECT.	2	4/1/2003	40371	83932	2.0	5/22/2003
Long Description: **69 receivers X 2 hrs= 138 hrs @ 1 person**										
FACILITY	CMP	**0000203844**	CLOSE	0500-28 BKR SUMM/WINT INSP 3N	2	4/1/2003	40371	44667	4.0	4/6/2003
Long Description:										
FACILITY	CM	**0000202410**	CLOSE	MC86-3/B2N SUPV LITE BULB BROKEN	4	3/30/2003	74840	07026	1.0	4/2/2003
Long Description: **bulb broken off in socket. Removed cover and cleaned out broken bulb glass - replaced with new bulb and replaced cover - light works.**										
FACILITY	CMP	**0000177990**	CLOSE	0500-28 BKR SUMM/WINT INSP 3N	2	10/1/2002	40371	52581	0.0	10/8/2002
Long Description:										
FACILITY	CMP	**0000173751**	CLOSE	0500-17 ANNUAL COMPRESSOR BKR 3N	2	9/2/2002	40371	52581	8.0	9/18/2002
Long Description:										
FACILITY	CMP	**0000156147**	CLOSE	0500-28 BKR SUMM/WINT INSP 3N	2	4/2/2002	40371	52581	1.5	4/23/2002
Long Description:										
FACILITY	GC	**0000137919**	CLOSE	GAS CALL- BKR 3N	1	11/21/2001	19093		0.0	11/26/2001
Long Description:										
FACILITY	CMP	**0000133551**	CLOSE	0500-28 BKR SUMM/WINT INSP 3N	9	10/17/2001	40371	52581	1.5	10/30/2001
Long Description: **10-29-01 JOB COMPLETED M BAGLEY**										
FACILITY	CM	**0000127957**	CLOSE	FOX HILLS S/S - BKR 3N SUPERVISORY MONITORING	9	9/7/2001	40371	52581	6.0	9/10/2001
Long Description: **light no working - troublshoot and found bad resistor. Replaced resistor.**										
FACILITY	CMP	**0000127211**	CLOSE	0500-17 ANNUAL COMPRESSOR BKR 3N	9	9/2/2001	40371		0.0	9/19/2001
Long Description:										

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MAXIMO REPORT: EQUIPMENT HISTORY

Station: FOX HILLS 138KV **Equipment: BKR-0003194** **FH 138-BKR 3N**

RESP AREA	WORK TYPE	WORK NUMBER	STATUS	DESCRIPTION	PRTY	REPORT DATE	REPORTED BY	SUPV	HRS	ACTUAL FINISH
FACILITY	CMP	**0000099579**	CLOSE	0500-02 DEW POINT TESTING -BKR 3N	1	2/27/2001	40371	16791	0.5	6/25/2001
Long Description:										
PROTSYS	SR	**0000098630**	CLOSE	FOX HILLS DOBLE BKR 3N	9	2/19/2001	40010		10.0	3/1/2001
Long Description:										
FACILITY	GC	**0000089543**	CLOSE	GAS CALL- BKR 3N	2	12/20/2000	19093		0.0	2/10/2003
Long Description:										
FACILITY	CMP	**0000085825**	CLOSE	0500-02 DEW POINT TESTING -BKR 3N	1	11/29/2000	40371	49657	1.0	1/9/2001
Long Description:										
FACILITY	CMP	**0000078310**	CLOSE	0500-28 BKR SUMM/WINT INSP 3N	9	10/31/2000	40371	49657	2.0	11/9/2000
Long Description:										
FACILITY	CMP	**0000074570**	CLOSE	0500-28 BKR SUMM/WINT INSP 3N	1	9/28/2000	40371		0.0	9/29/2000
Long Description:										
FACILITY	CMP	**0000074568**	CLOSE	0500-28 BKR SUMM/WINT INSP 3N	9	9/28/2000	40371	49657	1.5	11/7/2000
Long Description:										
FACILITY	GC	**0000072301**	CLOSE	FH 138-GAS CALL GCB/1380SF6 3N	1	9/6/2000	74840		0.0	9/7/2000
Long Description:	**deleting this work order - used for training**									
FACILITY	CMP	**0000071383**	CLOSE	0500-17 ANNUAL COMPRESSOR BKR 3N	9	8/31/2000	40371	49657	8.0	9/22/2000
Long Description:										
FACILITY	CMP	**0000069596**	CLOSE	0500-02 DEW POINT TESTING -BKR 3N	1	8/10/2000	40371	49657	3.0	8/8/2000
Long Description:	**WORKING WITH CHEM LAB TAKING SAMPLING**									
FACILITY	CMP	**0000069594**	CLOSE	0500-02 DEW POINT TESTING -BKR 3N	1	8/10/2000	40371	49657	2.0	8/8/2000
Long Description:	**WORKING WITH CHEM LAB DOING SAMPLING**									
FACILITY	DT	**0000069373**	CLOSE	FH 138- BKR 3N (DT)	1	8/8/2000	40371		58.0	4/27/2001
Long Description:	**doble and travel/veloscity incomplete - weather related.**									
FACILITY	CMP	**0000062403**	CLOSE	0500-02 DEW POINT TESTING -BKR 3N	1	5/31/2000	40371		0.0	7/25/2000
Long Description:	**on 7/24/00 supervisor P.Vieira informs me that this was completed sometime ago - no date given**									
FACILITY	CMP	**0000051455**	CLOSE	0500-02-SF6 DEWPOINTS BKR 3N	1	2/28/2000	40371		0.0	5/31/2000
Long Description:	**astoria chem lab, dewpoints - as per P. Vieira, supervisor.**									

Redacted

MAXIMO REPORT: EQUIPMENT HISTORY

Station: FOX HILLS 138KV **Equipment: BKR-0003194** **FH 138-BKR 3N**

RESP AREA	WORK TYPE	WORK NUMBER	STATUS	DESCRIPTION	PRTY	REPORT DATE	REPORTED BY	SUPV	HRS	ACTUAL FINISH
FACILITY Long Description:	CMP	**0000039338**	CLOSE	0500-28 WINTERIZATION BKR 3N	9	10/29/1999	40371	49657	1.5	10/25/1999
FACILITY Long Description:	CMP	**0000039336**	CLOSE	0500-28-3N CIR BKR WINTERIZATION INSP	1	10/29/1999	40371	49657	1.5	10/25/1999
FACILITY Long Description:	CMP	**0000039334**	CLOSE	0500-28 WINTERIZATION BKR 3N	9	10/29/1999	40371	49657	2.0	10/25/1999
FACILITY Long Description:	CMP	**0000020295**	CLOSE	500-28-3N CIR BKR WINTERIZATION INSP	1	5/26/1999	98219		0.0	5/26/1999
FACILITY Long Description:	GC	**0000019105**	CLOSE	GAS CALL- BKR 3N	1	5/19/1999	05602		0.0	12/24/2000
FACILITY Long Description:	PM	**0000011322**	CLOSE	FH, 138 KV BKR 3N ADJUST PRESS & SERVICE AIR COMP	9	2/5/1999	05602	49657	3.0	2/4/1999
FACILITY Long Description:	CMP	**0000003637**	CLOSE	Dew Point / Gas System	9	10/23/1998	05602	71685	0.0	10/21/1998

62 total work order(s) having 355 hours.

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MAXIMO REPORT: EQUIPMENT HISTORY

Station: E13 ST 138 KV **Equipment: BKR-0003347** **E13ST-CIRCUIT BREAKER-BT 5-4**

RESP AREA	WORK TYPE	WORK NUMBER	STATUS	DESCRIPTION	PRTY	REPORT DATE	REPORTED BY	SUPV	HRS	ACTUAL FINISH
FACILITY Long Description:	CMP-0	**0008171466**	APPR	0500-02 DEW POINT TESTING -BKR BT 5-4	4	5/24/2008	MAXADMIN		0.0	
PROTSYS Long Description:	SR	**0008082869**	INPRG	E13 ST - DOBLE BREAKER BT5-4	5	4/22/2008	50900		16.0	
FACILITY Long Description:	DT	**0008082211**	CLOSE	BKR BT 5-4 (DT)	4	4/22/2008	86152	86357	116.0	5/3/2008
FACILITY Long Description:	CMP-0	**0007872561**	CLOSE	0500-28 SUMMERIZATION INSP BKR BT 5-4	4	2/8/2008	89260	86357	4.0	2/29/2008
FACILITY Long Description:	GC	**0007633748**	CLOSE	GAS CALL -BKR BT 5-4	4	12/2/2007	49596	49596	0.0	12/2/2007
FACILITY Long Description:	GC	**0007545941**	CLOSE	GAS CALL -BKR BT 5-4	4	11/9/2007	39554	39554	0.0	11/9/2007
FACILITY Long Description:	GC	**0007544551**	CLOSE	GAS CALL -BKR BT 5-4	4	11/7/2007	83732	83732	0.0	11/7/2007
FACILITY Long Description:	GC	**0007541517**	CLOSE	GAS CALL -BKR BT 5-4	4	11/6/2007	83732	83732	0.0	11/6/2007
FACILITY Long Description:	GC	**0007488309**	CLOSE	GAS CALL -BKR BT 5-4	4	10/29/2007	17135	17135	0.0	10/29/2007
FACILITY Long Description:	GC	**0007487574**	CLOSE	GAS CALL -BKR BT 5-4	4	10/28/2007	49596	49596	0.0	10/28/2007
FACILITY Long Description:	GC	**0007455616**	CLOSE	GAS CALL -BKR BT 5-4	4	10/17/2007	05560	05560	0.0	10/17/2007
FACILITY Long Description:	GC	**0007395855**	CLOSE	GAS CALL -BKR BT 5-4	4	10/10/2007	49596	49596	0.0	10/10/2007
FACILITY Long Description:	GC	**0007394343**	CLOSE	GAS CALL -BKR BT 5-4	4	10/9/2007	88829	88829	0.0	10/9/2007
FACILITY Long Description:	GC	**0007385484**	CLOSE	GAS CALL -BKR BT 5-4	4	10/4/2007	39554	39554	0.0	10/4/2007

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MAXIMO REPORT: EQUIPMENT HISTORY

Station: E13 ST 138 KV **Equipment: BKR-0003347** **E13ST-CIRCUIT BREAKER-BT 5-4**

RESP AREA	WORK TYPE	WORK NUMBER	STATUS	DESCRIPTION	PRTY	REPORT DATE	REPORTED BY	SUPV	HRS	ACTUAL FINISH
FACILITY Long Description:	CMP-0	**0007373881**	CLOSE	0500-28 BKR WINTERIZATION INSP BT 5-4	4	10/1/2007	MAXADMIN	86357	0.0	10/29/2007
FACILITY Long Description:	GC	**0007284827**	CLOSE	GAS CALL -BKR BT 5-4	4	9/16/2007	39554	39554	0.0	9/16/2007
FACILITY Long Description:	GC	**0007275477**	CLOSE	GAS CALL -BKR BT 5-4	2	9/9/2007	17135	17135	0.0	9/9/2007
FACILITY Long Description:	GC	**0007245778**	CLOSE	GAS CALL -BKR BT 5-4	2	9/1/2007	39554	39554	0.0	9/1/2007
FACILITY Long Description:	GC	**0007222305**	CLOSE	GAS CALL -BKR BT 5-4	2	8/27/2007	83732	83732	0.0	8/27/2007
FACILITY Long Description:	GC	**0007215521**	CLOSE	GAS CALL -BKR BT 5-4	2	8/22/2007	83732	83732	0.0	8/22/2007
FACILITY Long Description:	GC	**0007209863**	CLOSE	GAS CALL -BKR BT 5-4	2	8/17/2007	83732	83732	0.0	8/17/2007
FACILITY Long Description:	GC	**0007199453**	CLOSE	GAS CALL -BKR BT 5-4	2	8/11/2007	17135	17135	0.0	8/11/2007
FACILITY Long Description:	GC	**0007191853**	CLOSE	GAS CALL -BKR BT 5-4	2	8/4/2007	17135	17135	0.0	8/4/2007
FACILITY Long Description:	GC	**0007163280**	CLOSE	GAS CALL -BKR BT 5-4	2	7/31/2007	49596	49596	0.0	7/31/2007
FACILITY Long Description:	CMP	**0006914585**	CLOSE	0500-02 DEW POINT TESTING -BKR BT 5-4	2	5/1/2007	MAXADMIN	14201	0.0	8/3/2007
FACILITY Long Description:	CM	**0006693337**	CLOSE	E13ST-BT 5-4 LEAK CHECKS AND GAS COMPRESSOR MAINTENANCE	5	3/7/2007	16348		72.0	11/14/2007
FACILITY Long Description:	CMP	**0006638618**	CLOSE	0500-28 SUMMERIZATION INSP BKR BT 5-4	2	2/28/2007	MAXADMIN	13855	4.0	4/23/2007
FACILITY Long Description:	GC	**0006490213**	CLOSE	GAS CALL -BKR BT 5-4	2	1/26/2007	39554	39554	0.0	1/26/2007

MAXIMO REPORT: EQUIPMENT HISTORY

Station: E13 ST 138 KV **Equipment: BKR-0003347** **E13ST-CIRCUIT BREAKER-BT 5-4**

RESP AREA	WORK TYPE	WORK NUMBER	STATUS	DESCRIPTION	PRTY	REPORT DATE	REPORTED BY	SUPV	HRS	ACTUAL FINISH
FACILITY Long Description:	CM	**0006377206**	CLOSE	BT 5-4 COMPRESSOR LEAK REPAIR	5	12/19/2006	14201		24.0	12/19/2006
FACILITY Long Description:	GC	**0006351288**	CLOSE	GAS CALL -BKR BT 5-4	2	12/3/2006	49596	49596	0.0	12/3/2006
FACILITY Long Description:	PROGM	**0006289028**	CLOSE	BKR BT 5-4 SF6 LEAK CHECKS AND REPAIRS	5	11/29/2006	14201		55.0	12/1/2006
FACILITY Long Description:	GC	**0006282903**	CLOSE	GAS CALL -BKR BT 5-4	2	11/24/2006	39554	39554	0.0	11/24/2006
FACILITY Long Description:	GC	**0006277816**	CLOSE	GAS CALL -BKR BT 5-4	2	11/20/2006	83732	83732	0.0	11/20/2006
FACILITY Long Description:	GC	**0006252869**	CLOSE	GAS CALL -BKR BT 5-4	2	11/16/2006	88829	88829	0.0	11/16/2006
FACILITY Long Description:	GC	**0006240615**	CLOSE	GAS CALL -BKR BT 5-4	2	11/4/2006	17135	17135	0.0	11/4/2006
FACILITY Long Description:	GC	**0006238607**	CLOSE	GAS CALL -BKR BT 5-4	2	11/2/2006	83732	83732	0.0	11/2/2006
FACILITY Long Description:	GC	**0006165805**	CLOSE	GAS CALL -BKR BT 5-4	2	10/21/2006	39554	39554	0.0	10/21/2006
FACILITY Long Description:	GC	**0006155147**	CLOSE	GAS CALL -BKR BT 5-4	2	10/12/2006	39554	39554	0.0	10/12/2006
FACILITY Long Description:	GC	**0006151126**	CLOSE	GAS CALL -BKR BT 5-4	2	10/8/2006	49596	49596	0.0	10/8/2006
FACILITY Long Description:	CMP	**0006088848**	CLOSE	0500-28 BKR WINTERIZATION INSP BT 5-4	2	9/30/2006	MAXADMIN	13855	4.0	10/29/2006
FACILITY Long Description:	CMP	**0006074766**	CLOSE	0500-17 ANNUAL COMPRESSOR BKR BT 5-4	2	9/30/2006	MAXADMIN	16454	0.0	10/31/2006
FACILITY Long Description:	GC	**0006066471**	CLOSE	GAS CALL -BKR BT 5-4	2	9/27/2006	17135	17135	0.0	9/27/2006

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MAXIMO REPORT: EQUIPMENT HISTORY

Station: E13 ST 138 KV **Equipment: BKR-0003347** **E13ST-CIRCUIT BREAKER-BT 5-4**

RESP AREA	WORK TYPE	WORK NUMBER	STATUS	DESCRIPTION	PRTY	REPORT DATE	REPORTED BY	SUPV	HRS	ACTUAL FINISH
FACILITY Long Description:	GC	**0006066153**	CLOSE	GAS CALL -BKR BT 5-4	2	9/27/2006	39554	39554	0.0	9/27/2006
FACILITY Long Description:	GC	**0006056341**	CLOSE	GAS CALL -BKR BT 5-4	2	9/20/2006	88818	88818	0.0	9/20/2006
FACILITY Long Description:	GC	**0006034741**	CLOSE	GAS CALL -BKR BT 5-4	2	9/6/2006	88818	88818	0.0	9/6/2006
FACILITY Long Description:	GC	**0005963703**	CLOSE	GAS CALL -BKR BT 5-4	2	8/23/2006	88818	88818	0.0	8/23/2006
FACILITY Long Description:	GC	**0005955292**	CLOSE	GAS CALL -BKR BT 5-4	2	8/18/2006	17135	17135	0.0	8/18/2006
FACILITY Long Description:	GC	**0005939962**	CLOSE	GAS CALL -BKR BT 5-4	2	8/12/2006	39554	39554	0.0	8/12/2006
FACILITY Long Description:	GC	**0005930484**	CLOSE	GAS CALL -BKR BT 5-4	2	8/5/2006	17135	17135	0.0	8/5/2006
FACILITY Long Description:	GC	**0005930432**	CLOSE	GAS CALL -BKR BT 5-4	2	8/5/2006	88818	88818	0.0	8/5/2006
FACILITY Long Description:	GC	**0005871619**	CLOSE	GAS CALL -BKR BT 5-4	2	7/30/2006	88818	88818	0.0	7/30/2006
FACILITY Long Description:	GC	**0005871612**	CLOSE	GAS CALL -BKR BT 5-4	2	7/30/2006	88818	88818	0.0	8/4/2006
FACILITY Long Description:	GC	**0005853102**	CLOSE	GAS CALL -BKR BT 5-4	2	7/18/2006	88829	88829	0.0	7/18/2006
FACILITY Long Description:	GC	**0005849312**	CLOSE	GAS CALL -BKR BT 5-4	2	7/16/2006	17135	17135	0.0	7/16/2006
FACILITY Long Description:	GC	**0005735256**	CLOSE	GAS CALL -BKR BT 5-4	2	6/11/2006	17135	17135	0.0	6/11/2006
FACILITY Long Description:	CMP	**0005566188**	CLOSE	0500-02 DEW POINT TESTING -BKR BT 5-4	2	5/1/2006	MAXADMIN	16454	1.0	5/4/2006

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MAXIMO REPORT: EQUIPMENT HISTORY

Station: E13 ST 138 KV **Equipment: BKR-0003347** **E13ST-CIRCUIT BREAKER-BT 5-4**

RESP AREA	WORK TYPE	WORK NUMBER	STATUS	DESCRIPTION	PRTY	REPORT DATE	REPORTED BY	SUPV	HRS	ACTUAL FINISH
FACILITY Long Description:	GC	**0005506895**	CLOSE	GAS CALL -BKR BT 5-4	2	4/3/2006	39554	39554	0.0	4/3/2006
FACILITY Long Description:	GC	**0005435832**	CLOSE	GAS CALL -BKR BT 5-4	2	3/21/2006	83732	83732	0.0	3/21/2006
FACILITY Long Description:	CMP	**0005350538**	CLOSE	0500-28 BKR SUMMERIZATION INSP BT 5-4	2	2/28/2006	MAXADMIN	14201	8.0	4/28/2006
FACILITY Long Description:	GC	**0005305293**	CLOSE	GAS CALL -BKR BT 5-4	2	2/25/2006	17135	17135	0.0	2/25/2006
FACILITY Long Description:	CMP	**0000341299**	CLOSE	0500-28 BKR WINTERIZATION INSP BT 5-4	2	9/25/2005	PMWOGEN	17371	6.0	2/28/2006
FACILITY Long Description:	CMP	**0000340180**	CLOSE	0500-17 ANNUAL COMPRESSOR BKR BT 5-4	2	9/25/2005	PMWOGEN	17371	6.0	11/16/2005
FACILITY Long Description:	GC	**0000327655**	CLOSE	GAS CALL -BKR BT 5-4	2	7/17/2005	17135	17135	0.0	7/17/2005
FACILITY Long Description:	CMP	**0000313323**	CLOSE	0500-02 DEW POINT TESTING -BKR BT 5-4	4	5/2/2005	19093	16454	1.0	7/25/2005
FACILITY Long Description:	CMP	**0000301210**	CLOSE	0500-28 BKR SUMMERIZATION INSP BT 5-4	4	2/25/2005	PMWOGEN	13855	6.0	3/29/2005
FACILITY Long Description:	CMP	**0000274528**	CLOSE	0500-28 BKR WINTERIZATION INSP BT 5-4	4	9/25/2004	PMWOGEN	13855	2.0	11/23/2004
FACILITY Long Description:	CMP	**0000273491**	CLOSE	0500-17 ANNUAL COMPRESSOR BKR BT 5-4	4	9/25/2004	PMWOGEN	13855	2.0	11/23/2004
FACILITY Long Description:	GC	**0000255447**	CLOSE	GAS CALL -BKR BT 5-4	2	5/23/2004	17135	17135	0.0	5/25/2004
FACILITY Long Description:	CMP	**0000252543**	CLOSE	0500-02 DEW POINT TESTING -BKR BT 5-4	4	4/25/2004	PMWOGEN	13855	1.0	7/15/2004
FACILITY Long Description:	CMP	**0000245888**	CLOSE	0500-28 BKR SUMMERIZATION INSP BT 5-4	4	2/28/2004	PMWOGEN	13855	2.0	4/22/2004

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MAXIMO REPORT: EQUIPMENT HISTORY

Station: E13 ST 138 KV **Equipment: BKR-0003347** **E13ST-CIRCUIT BREAKER-BT 5-4**

RESP AREA	WORK TYPE	WORK NUMBER	STATUS	DESCRIPTION	PRTY	REPORT DATE	REPORTED BY	SUPV	HRS	ACTUAL FINISH
FACILITY Long Description:	CMP	**0000224968**	CLOSE	0500-28 BKR SUMM/WINT INSP BT 5-4	2	9/29/2003	20412	13855	2.0	10/31/2003
FACILITY Long Description:	CMP	**0000224916**	CLOSE	0500-17 ANNUAL COMPRESSOR BKR BT 5-4	2	9/29/2003	20412	13855	2.0	10/31/2003
FACILITY Long Description:	CMP	**0000205840**	CLOSE	0500-02 DEW POINT TESTING -BKR BT 5-4	2	4/29/2003	20412	13855	2.0	5/13/2003
FACILITY Long Description:	GC	**0000204544**	CLOSE	GAS CALL -BKR BT 5-4	2	4/8/2003	49596	49596	0.0	4/8/2003
FACILITY Long Description:	CMP	**0000202522**	CLOSE	0500-28 BKR SUMM/WINT INSP BT 5-4	2	3/31/2003	20412		8.0	4/23/2003
FACILITY Long Description:	CMP	**0000177371**	CLOSE	0500-28 BKR SUMM/WINT INSP BT 5-4	2	9/30/2002	20412		4.0	10/8/2002
FACILITY Long Description:	CMP	**0000177327**	CLOSE	0500-17 ANNUAL COMPRESSOR BKR BT 5-4	2	9/30/2002	20412		4.0	10/8/2002
FACILITY Long Description:	FM	**0000175855**	CLOSE	REPAIR GAS LEAKS ON BKR 5-4	2	9/16/2002	77658	77658	149.0	9/19/2002
FACILITY Long Description:	GC	**0000172515**	CLOSE	E13ST-GAS CALL GCB BT 5-4	2	8/22/2002	19093		0.0	1/14/2003
FACILITY Long Description:	GC	**0000171812**	CLOSE	E13ST-GAS CALL GCB BT 5-4 (ALARM UP)	2	8/13/2002	49596	77658	0.0	1/14/2003
FACILITY Long Description:	GC	**0000171640**	CLOSE	E13ST-GAS CALL GCB BT 5-4	2	8/11/2002	19093		0.0	1/14/2003
FACILITY Long Description:	GC	**0000169509**	CLOSE	E13ST-GAS CALL GCB BT 5-4 (ALARM UP)	2	7/28/2002	49596	77658	0.0	4/7/2003
FACILITY Long Description:	GC	**0000168554**	CLOSE	E13ST-GAS CALL GCB BT 5-4	2	7/14/2002	49596		0.0	12/27/2002
FACILITY Long Description:	GC	**0000168553**	CLOSE	E13ST-GAS CALL GCB BT 5-4	2	7/14/2002	49596		0.0	12/27/2002

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MAXIMO REPORT: EQUIPMENT HISTORY

Station: E13 ST 138 KV **Equipment: BKR-0003347** **E13ST-CIRCUIT BREAKER-BT 5-4**

RESP AREA	WORK TYPE	WORK NUMBER	STATUS	DESCRIPTION	PRTY	REPORT DATE	REPORTED BY	SUPV	HRS	ACTUAL FINISH
FACILITY Long Description:	GC	**0000168552**	CLOSE	E13ST-GAS CALL GCB BT 5-4	2	7/14/2002	49596		0.0	12/27/2002
FACILITY Long Description:	GC	**0000168551**	CLOSE	E13ST-GAS CALL GCB BT 5-4	2	7/14/2002	49596		0.0	12/27/2002
FACILITY Long Description:	GC	**0000168550**	CLOSE	E13ST-GAS CALL GCB BT 5-4	2	7/14/2002	49596		0.0	12/27/2002
FACILITY Long Description:	GC	**0000168549**	CLOSE	E13ST-GAS CALL GCB BT 5-4	2	7/14/2002	49596		0.0	12/27/2002
FACILITY Long Description:	GC	**0000168160**	CLOSE	E13ST-GAS CALL GCB BT 5-4	2	7/8/2002	19093		0.0	1/14/2003
FACILITY Long Description:	GC	**0000168014**	CLOSE	E13ST-GAS CALL GCB BT 5-4	2	7/7/2002	19093		0.0	1/14/2003
FACILITY Long Description:	GC	**0000167150**	CLOSE	E13ST-GAS CALL GCB BT 5-4	2	7/1/2002	19093		0.0	1/14/2003
FACILITY Long Description:	GC	**0000164630**	CLOSE	E13ST-GAS CALL GCB BT 5-4	2	6/5/2002	19093		0.0	1/14/2003
FACILITY Long Description:	GC	**0000162568**	CLOSE	E13ST-GAS CALL GCB BT 5-4	2	5/25/2002	19093		0.0	1/14/2003
FACILITY Long Description:	CMP	**0000159492**	CLOSE	0500-02 DEW POINT TESTING -BKR BT 5-4	2	4/30/2002	20412		0.0	5/21/2002
FACILITY Long Description:	GC	**0000156606**	CLOSE	E13ST-GAS CALL GCB BT 5-4	2	4/6/2002	49596		0.0	1/14/2003
FACILITY Long Description:	CMP	**0000155263**	CLOSE	0500-28 BKR SUMM/WINT INSP BT 5-4	2	4/1/2002	20412		0.0	4/9/2002
PROTSYS Long Description:	SR	**0000154613**	CLOSE	BKR- BT 5-4 (DT) DOBLE TEST CKT BRK FOR MTCE	4	3/26/2002	18934		66.0	5/11/2002
FACILITY Long Description:	DT	**0000152637**	CLOSE	BKR- BT 5-4 (DT)	2	3/8/2002	20412		188.0	4/9/2002

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MAXIMO REPORT: EQUIPMENT HISTORY

Station: E13 ST 138 KV **Equipment: BKR-0003347** **E13ST-CIRCUIT BREAKER-BT 5-4**

RESP AREA	WORK TYPE	WORK NUMBER	STATUS	DESCRIPTION	PRTY	REPORT DATE	REPORTED BY	SUPV	HRS	ACTUAL FINISH
FACILITY Long Description:	GC	**0000145546**	CLOSE	E13ST-GAS CALL GCB BT 5-4	2	1/22/2002	39554		0.0	1/14/2003
FACILITY Long Description:	GC	**0000142222**	CLOSE	E13ST-GAS CALL GCB BT 5-4	1	12/30/2001	19093		0.0	12/30/2001
FACILITY Long Description:	GC	**0000138029**	CLOSE	E13ST-GAS CALL GCB BT 5-4	1	11/24/2001	19093		0.0	11/27/2001
FACILITY Long Description:	GC	**0000137210**	CLOSE	E13ST-GAS CALL GCB BT 5-4	2	11/12/2001	39554		0.0	2/10/2003
FACILITY Long Description:	CMP	**0000129559**	CLOSE	0500-28 BKR SUMM/WINT INSP BT 5-4	4	9/27/2001	20412		0.0	10/12/2001
FACILITY Long Description:	CMP	**0000129514**	CLOSE	0500-17 ANNUAL COMPRESSOR BKR BT 5-4	9	9/27/2001	20412		0.0	10/24/2001
FACILITY Long Description:	GC	**0000120099**	CLOSE	GAS CALL- BKR BT 5-4	1	7/6/2001	49596		0.0	7/6/2001
FACILITY Long Description:	GC	**0000119459**	CLOSE	GAS CALL- BKR BT 5-4	1	7/1/2001	49596		0.0	7/1/2001
FACILITY Long Description:	CMP	**0000111120**	CLOSE	0500-02 DEW POINT TESTING -BKR BT 5-4	1	4/30/2001	20412		0.0	5/14/2001
FACILITY Long Description:	CMP	**0000106538**	CLOSE	0500-28 BKR SUMM/WINT INSP BT 5-4	4	4/2/2001	20412		0.0	4/12/2001
FACILITY Long Description:	CMP	**0000100351**	CLOSE	0500-02 DEW POINT TESTING -BKR BT 5-4	1	3/1/2001	29132		0.0	3/26/2001
FACILITY Long Description:	GC	**0000089313**	CLOSE	E13ST-GAS CALL GCB BT 5-4	2	12/20/2000	19093		0.0	2/10/2003
FACILITY Long Description:	CMP	**0000086008**	CLOSE	0500-02 DEW POINT TESTING -BKR BT 5-4	1	12/1/2000	20412		0.0	12/21/2000
FACILITY Long Description:	CM	**0000075422**	CLOSE	BREAKER B.T.5-4 LEAK CHECKINGAND REPAIR	9	10/2/2000	19325	20099	24.0	10/2/2000

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MAXIMO REPORT: EQUIPMENT HISTORY

Station: E13 ST 138 KV **Equipment: BKR-0003347** **E13ST-CIRCUIT BREAKER-BT 5-4**

RESP AREA	WORK TYPE	WORK NUMBER	STATUS	DESCRIPTION	PRTY	REPORT DATE	REPORTED BY	SUPV	HRS	ACTUAL FINISH
FACILITY Long Description:	CMP	**0000075367**	CLOSE	0500-28 BKR SUMM/WINT INSP BT 5-4	4	10/2/2000	20412		8.0	10/4/2000
FACILITY Long Description:	CMP	**0000075301**	CLOSE	0500-02 DEW POINT TESTING -BKR BT 5-4	1	10/2/2000	20412		0.0	10/12/2000
FACILITY Long Description:	CMP	**0000075294**	CLOSE	0500-17 ANNUAL COMPRESSOR BKR BT 5-4	9	10/2/2000	20412		0.0	10/19/2000
FACILITY Long Description:	CM	**0000074024**	CLOSE	BKR B.T.43 LEAK CHECKING	9	9/22/2000	19325		12.0	9/23/2000
FACILITY Long Description:	CMP	**0000056818**	CLOSE	0500-02 DEW POINT TESTING -E13 BKR BT 5-4	1	4/6/2000	89260		0.0	4/21/2000
FACILITY Long Description:	CMP	**0000056139**	CLOSE	0500-28 BKR SUMM/WINT INSP BT 5-4	4	4/3/2000	05819		20.0	4/21/2000
FACILITY Long Description:	CM	**0000054885**	CLOSE	INSTALL TEMP GAUGES BKR 5-4	9	3/27/2000	20412		8.0	3/28/2000
FACILITY Long Description:	CMP	**0000036715**	CLOSE	0500-26-CIR BKRS WINTERIZATION IN BKR BT54	4	10/11/1999	19325		12.0	10/19/1999
FACILITY Long Description:	CMP	**0000025219**	CLOSE	ANNUAL SUMMERIZTION OF 138KV BKR.BT54	9	7/1/1999	20412	05819	0.0	7/6/1999
FACILITY Long Description:	CMP	**0000025071**	CLOSE	ANNUAL SUMMERIZTION OF 138KV BKR.BT54	9	7/1/1999	20412	05819	0.0	4/26/1999
FACILITY Long Description:	GC	**0000021894**	CLOSE	E13ST-GAS CALL GCB BT 5-4	1	6/1/1999	13357		6.0	12/22/2000
FACILITY Long Description:	OH	**0000017902**	CLOSE	BKR-0003347 GCB BT54	1	5/4/1999	13357		0.0	1/15/1993
FACILITY Long Description:	DT	**0000017901**	CLOSE	BKR-0003347 GCB BT54	1	5/4/1999	13357		0.0	1/15/1993
FACILITY Long Description:	CMP	**0000017103**	CLOSE	ANNUAL SUMMERIZTION OF 138KV BKR.BT54	9	4/26/1999	19325	05819	4.0	4/26/1999

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MAXIMO REPORT: EQUIPMENT HISTORY

Station: E13 ST 138 KV **Equipment: BKR-0003347** **E13ST-CIRCUIT BREAKER-BT 5-4**

RESP AREA	WORK TYPE	WORK NUMBER	STATUS	DESCRIPTION	PRTY	REPORT DATE	REPORTED BY	SUPV	HRS	ACTUAL FINISH

126 total work order(s) having 849 hours.

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MAXIMO REPORT: EQUIPMENT HISTORY

Station: E13 ST 138 KV **Equipment: BKR-0003366** **E13ST-CIRCUIT BREAKER-F10**

RESP AREA	WORK TYPE	WORK NUMBER	STATUS	DESCRIPTION	PRTY	REPORT DATE	REPORTED BY	SUPV	HRS	ACTUAL FINISH
FACILITY Long Description:	CMP-0	**0008170230**	APPR	0500-02 DEW POINT TESTING -BKR F10	4	5/23/2008	MAXADMIN		0.0	
FACILITY Long Description:	CMP-0	**0007870488**	CLOSE	0500-28 SUMMERIZATION INSP BKR F10	4	2/8/2008	89260	86357	4.0	3/10/2008
FACILITY Long Description:	GC	**0007664031**	CLOSE	GAS CALL -BKR F10	4	12/23/2007	17135	17135	0.0	12/23/2007
FACILITY Long Description:	GC	**0007551696**	CLOSE	GAS CALL -BKR F10	4	11/13/2007	49596	49596	0.0	11/13/2007
CONST Long Description:	CAP	**0007535804**	POUTG	REPLACE BREAKER F 10	5	11/2/2007	00458		0.0	
FACILITY Long Description:	CMP-0	**0007339680**	CLOSE	0500-28 BKR WINTERIZATION INSP F10	4	10/1/2007	MAXADMIN	86357	6.0	11/5/2007
FACILITY Long Description:	GC	**0007337556**	CLOSE	GAS CALL -BKR F10	4	10/1/2007	17135	17135	0.0	10/1/2007
FACILITY Long Description:	GC	**0007275483**	CLOSE	GAS CALL -BKR F10	2	9/9/2007	17135	17135	0.0	9/9/2007
FACILITY Long Description:	GC	**0007210194**	CLOSE	GAS CALL -BKR F10	2	8/17/2007	83732	83732	0.0	8/17/2007
PROTSYS Long Description:	SR	**0007114841**	CLOSE	E13 - BKR F10 INDICATION FLIKERING ON SOCCS	5	7/9/2007	87584		8.0	8/9/2007
FACILITY Long Description:	GC	**0007109429**	CLOSE	GAS CALL -BKR F10	2	7/2/2007	10521	10521	0.0	7/2/2007
PROTSYS Long Description:	SR	**0006987703**	CLOSE	F10 BKR FALSE GAS ALRM—ALL PRESSURES OK - PST TO ASSIST SSM	5	6/1/2007	01518		44.0	6/12/2007
FACILITY Long Description:	CM	**0006959449**	CLOSE	F10 BKR FALSE GAS ALRM—ALL PRESSURES OK	5	5/30/2007	17135		149.5	6/12/2007
FACILITY Long Description:	GC	**0006934375**	CLOSE	GAS CALL -BKR F10	2	5/14/2007	17135	17135	0.0	5/15/2007

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MAXIMO REPORT: EQUIPMENT HISTORY

Station: E13 ST 138 KV **Equipment: BKR-0003366** **E13ST-CIRCUIT BREAKER-F10**

RESP AREA	WORK TYPE	WORK NUMBER	STATUS	DESCRIPTION	PRTY	REPORT DATE	REPORTED BY	SUPV	HRS	ACTUAL FINISH
FACILITY	CMP	**0006913279**	CLOSE	0500-02 DEW POINT TESTING -BKR F10	2	5/1/2007	MAXADMIN	14201	1.0	8/2/2007
Long Description:										
FACILITY	GC	**0006807507**	CLOSE	GAS CALL -BKR F10	2	4/10/2007	17135	17135	0.0	4/10/2007
Long Description:										
FACILITY	CM	**0006722925**	CLOSE	BKR F10 BROKEN BELT ON AIR COMPRESSOR, FEED TO COMPRESSOR REMOVED.	9	3/25/2007	39554	52569	30.0	4/9/2007
Long Description:										
FACILITY	CMP	**0006637563**	CLOSE	0500-28 SUMMERIZATION INSP BKR F10	2	2/28/2007	MAXADMIN	16454	4.0	4/27/2007
Long Description:										
PROTSYS	SR	**0006556928**	CLOSE	E13 DOBLE BKR F10 FOR MTCE	5	2/10/2007	18934		24.0	2/10/2007
Long Description:										
AUXSUP	HPOT	**0006553853**	CLOSE	E13ST- BKR 10- HIPOT AFTER BREAKER F10 REPAIRS	3	2/8/2007	49436	15596	74.0	2/10/2007
Long Description:										
PROTSYS	TRIP	**0006552586**	APPR	TRIP-FDRS 37374-BKR F10 / BKR F10 (OSS ONLY)	2	2/7/2007	53133		0.0	
Long Description:	**THIS BELONGS TO TRIPS FOR E13 45 & M54 TRIPS OF 345 YARD. FOR OSS ONLY. NO LABOR TIME TO BE ENTERED. WORK OREDER TO BE CANCELLED AFTER WORK COMPLETED.**									
FACILITY	CM	**0006548666**	CLOSE	E13ST-F10 REPAIR LEAK ON BLAST VALVE AND EXCESSIVE COMPRESSOR OPERATION	1	2/5/2007	16348		581.0	2/13/2007
Long Description:	**Breaker tripped out twice on 2/5/07 due to excessive leak from high to low side of breaker(Blast Valve) compressor cannot keep up with leak rate and continues to blow thermal overloads. System has agreed to leave Bkr OOS for repairs..... S.P.**									
FACILITY	CM	**0006544894**	CLOSE	BREAKER F10 REPAIRS	5	2/2/2007	14201		37.0	2/4/2007
Long Description:										
FACILITY	GC	**0006498872**	CLOSE	GAS CALL -BKR F10	2	1/31/2007	17135	17135	0.0	1/31/2007
Long Description:										
FACILITY	GC	**0006176641**	CLOSE	GAS CALL -BKR F10	2	10/29/2006	49596	49596	0.0	10/29/2006
Long Description:										
FACILITY	CMP	**0006090756**	CLOSE	0500-28 BKR WINTERIZATION INSP F10	2	9/30/2006	MAXADMIN	16454	13.0	11/1/2006
Long Description:										

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MAXIMO REPORT: EQUIPMENT HISTORY

Station: E13 ST 138 KV **Equipment: BKR-0003366** **E13ST-CIRCUIT BREAKER-F10**

RESP AREA	WORK TYPE	WORK NUMBER	STATUS	DESCRIPTION	PRTY	REPORT DATE	REPORTED BY	SUPV	HRS	ACTUAL FINISH
FACILITY Long Description:	CMP	**0006074092**	CLOSE	0500-17 ANNUAL COMPRESSOR BKR F10	2	9/30/2006	MAXADMIN	13855	0.0	12/21/2006
FACILITY Long Description:	GC	**0005930490**	CLOSE	GAS CALL -BKR F10	2	8/5/2006	17135	17135	0.0	8/5/2006
FACILITY Long Description:	CM	**0005757159**	CLOSE	E13TH ST TROUBLE SHOOT AND REPAIR LOW GAS ALARM FOR BREAKER F10	4	6/20/2006	05850		16.0	6/20/2006
FACILITY Long Description:	GC	**0005754770**	CLOSE	GAS CALL -BKR F10	2	6/19/2006	49596	49596	0.0	6/19/2006
FACILITY Long Description:	PROGM	**0005662722**	CLOSE	BKR F10 SF6 HIGH GAS PRESSURE REPAIR	3	5/31/2006	14201		23.0	5/31/2006
FACILITY Long Description:	CMP	**0005565851**	CLOSE	0500-02 DEW POINT TESTING -BKR F10	2	5/1/2006	MAXADMIN	16454	1.0	5/4/2006
FACILITY Long Description:	CM	**0005534904**	CLOSE	GENERAL ALARM REPAIR BKR F-10	5	4/18/2006	14201		42.0	5/29/2006
FACILITY Long Description:	SR	**0005532808**	CLOSE	E13 - BKR F10 GAS PRESSURE ALARM WITH MTCE	5	4/17/2006	01518		8.0	4/17/2006
FACILITY Long Description:	JUMP	**0005522902**	CLOSE	TAG# 07095-TRIPS PULLED ON 51V-COV-6 PTZ DEVICE N.G. ON F10	5	4/11/2006	17135	14201	0.0	11/17/2006
FACILITY Long Description:	JUMP	**0005522874**	CLOSE	TAG # 07096 TRIPS PULLED CRP-6 67G/14 BAD PTZ ON BKR F10	5	4/11/2006	17135	14201	0.0	11/17/2006
FACILITY Long Description:	CM	**0005522189**	CLOSE	BREAKER TRIP INVESTIGATION	1	4/11/2006	14201		26.5	
PROTSYS Long Description:	SR	**0005522084**	CLOSE	E13 TRIP OUT INVESTIGATION ON BREAKER F10	5	4/11/2006	18934		64.0	5/30/2006
PROTSYS Long Description:	TRIP	**0005506463**	APPR	TRIP-FDRS 37374-BKR F10 / BKR F10 (OSS ONLY)	2	4/3/2006	53133		0.0	

THIS BELONGS TO TRIPS FOR E13 45 & M54 TRIPS OF 345 YARD. FOR OSS ONLY. NO LABOR TIME TO BE ENTERED. WORK OREDER TO BE CANCELLED AFTER WORK COMPLETED.

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MAXIMO REPORT: EQUIPMENT HISTORY

Station: E13 ST 138 KV **Equipment: BKR-0003366** **E13ST-CIRCUIT BREAKER-F10**

RESP AREA	WORK TYPE	WORK NUMBER	STATUS	DESCRIPTION	PRTY	REPORT DATE	REPORTED BY	SUPV	HRS	ACTUAL FINISH
FACILITY Long Description:	CMP	**0005350754**	CLOSE	0500-28 BKR SUMMERIZATION INSP F10	2	2/28/2006	MAXADMIN	17371	8.0	4/25/2006
FACILITY Long Description:	GC	**0005159233**	CLOSE	GAS CALL -BKR F10	2	1/7/2006	39554	39554	0.0	1/7/2006
FACILITY Long Description:	CAP	**0000344715**	CLOSE	E13 - BKR F10 REPAIRS (OPERATOR COVERAGE)	5	10/24/2005	20412	13618	0.0	2/9/2006
FACILITY Long Description:	CM	**0000344689**	CLOSE	INVESTIGATION OF F10 BREAKER TRIP	3	10/22/2005	01674	01674	146.5	12/13/2005
FACILITY Long Description:	CMP	**0000341305**	CLOSE	0500-28 BKR WINTERIZATION INSP F10	2	9/25/2005	PMWOGEN	13855	16.0	10/20/2005
FACILITY Long Description:	CMP	**0000340177**	CLOSE	0500-17 ANNUAL COMPRESSOR BKR F10	2	9/25/2005	PMWOGEN	13855	16.0	10/22/2005
FACILITY Long Description:	GC	**0000314492**	CLOSE	GAS CALL -BKR F10	2	5/5/2005	00061	16348	0.0	5/5/2005
FACILITY Long Description:	CMP	**0000313329**	CLOSE	0500-02 DEW POINT TESTING -BKR F10	4	5/2/2005	19093	16454	0.5	7/25/2005
FACILITY Long Description:	GC	**0000306130**	CLOSE	GAS CALL -BKR F10	2	3/22/2005	39554	16348	0.0	3/22/2005
FACILITY Long Description:	GC	**0000303321**	CLOSE	GAS CALL -BKR F10	2	3/4/2005	88821	16348	0.0	3/4/2005
FACILITY Long Description:	CMP	**0000301216**	CLOSE	0500-28 BKR SUMMERIZATION INSP F10	4	2/25/2005	PMWOGEN	13855	6.0	3/29/2005
FACILITY Long Description:	GC	**0000297277**	CLOSE	GAS CALL -BKR F10	2	2/8/2005	39554	39554	0.0	2/8/2005
PROTSYS Long Description:	TRIP	**0000293473**	CLOSE	E13 ST PERIODIC TRIP TESTS FDRS 37376 & 37377 (FDR 48 TRIPS)	5	1/13/2005	53133		72.0	1/31/2005
FACILITY Long Description:	GC	**0000286076**	CLOSE	GAS CALL -BKR F10	2	12/17/2004	39554	39554	0.0	12/17/2004

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MAXIMO REPORT: EQUIPMENT HISTORY

Station: E13 ST 138 KV **Equipment: BKR-0003366** **E13ST-CIRCUIT BREAKER-F10**

RESP AREA	WORK TYPE	WORK NUMBER	STATUS	DESCRIPTION	PRTY	REPORT DATE	REPORTED BY	SUPV	HRS	ACTUAL FINISH
FACILITY Long Description:	CM	**0000286077**	CLOSE	REPAIR AIR LEAKS ON BKR F 10	5	12/17/2004	77658	77658	24.0	2/16/2005
FACILITY Long Description:	GC	**0000281114**	CLOSE	GAS CALL -BKR F10	2	11/14/2004	39554	39554	0.0	11/14/2004
FACILITY Long Description:	GC	**0000276415**	CLOSE	GAS CALL -BKR F10	2	10/11/2004	17135	17135	0.0	10/11/2004
FACILITY Long Description:	CMP	**0000274534**	CLOSE	0500-28 BKR WINTERIZATION INSP F10	4	9/25/2004	PMWOGEN	13855	3.0	11/22/2004
FACILITY Long Description:	CMP	**0000273488**	CLOSE	0500-17 ANNUAL COMPRESSOR BKR F10	4	9/25/2004	PMWOGEN	13855	4.0	11/22/2004
FACILITY Long Description:	GC	**0000263725**	CLOSE	GAS CALL -BKR F10	2	7/13/2004	39554	39554	0.0	7/13/2004
FACILITY Long Description:	CMP	**0000252549**	CLOSE	0500-02 DEW POINT TESTING -BKR F10	4	4/25/2004	PMWOGEN	19325	0.0	7/28/2004
FACILITY Long Description:	GC	**0000247912**	CLOSE	GAS CALL -BKR F10	2	3/14/2004	17135	17135	0.0	3/14/2004
FACILITY Long Description:	CMP	**0000245894**	CLOSE	0500-28 BKR SUMMERIZATION INSP F10	4	2/28/2004	PMWOGEN	13855	8.0	5/6/2004
FACILITY Long Description:	GC	**0000242113**	CLOSE	GAS CALL -BKR F10	2	2/1/2004	49596	49596	3.0	2/1/2004
FACILITY Long Description:	GC	**0000240088**	CLOSE	GAS CALL -BKR F10	2	1/22/2004	17135	17135	0.0	1/22/2004
FACILITY Long Description:	CMP	**0000224974**	CLOSE	0500-28 BKR SUMM/WINT INSP F10	2	9/29/2003	20412	13855	2.0	10/24/2003
FACILITY Long Description:	CMP	**0000224913**	CLOSE	0500-17 ANNUAL COMPRESSOR BKR F10	4	9/29/2003	20412	13855	2.0	10/31/2003
FACILITY Long Description:	GC	**0000223416**	CLOSE	GAS CALL -BKR F10	2	9/14/2003	49596	49596	3.0	9/14/2003

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MAXIMO REPORT: EQUIPMENT HISTORY

Station: E13 ST 138 KV **Equipment: BKR-0003366** **E13ST-CIRCUIT BREAKER-F10**

RESP AREA	WORK TYPE	WORK NUMBER	STATUS	DESCRIPTION	PRTY	REPORT DATE	REPORTED BY	SUPV	HRS	ACTUAL FINISH
FACILITY Long Description:	DT	**0000221240**	CLOSE	BKR- F10 (DT)	3	8/28/2003	20412	13855	78.0	5/20/2004
FACILITY Long Description:	GC	**0000219795**	CLOSE	GAS CALL -BKR F10	2	8/10/2003	49596	49596	0.0	8/10/2003
FACILITY Long Description:	CMP	**0000205846**	CLOSE	0500-02 DEW POINT TESTING -BKR F10	2	4/29/2003	20412	13855	2.0	5/13/2003
FACILITY Long Description:	CMP	**0000202528**	CLOSE	0500-28 BKR SUMM/WINT INSP F10	2	3/31/2003	20412		8.0	4/23/2003
FACILITY Long Description:	CMP	**0000177379**	CLOSE	0500-28 BKR SUMM/WINT INSP F10	2	9/30/2002	20412		6.0	10/16/2002
FACILITY Long Description:	CMP	**0000177323**	CLOSE	0500-17 ANNUAL COMPRESSOR BKR F10	2	9/30/2002	20412		8.0	10/21/2002
FACILITY Long Description:	CMP	**0000159535**	CLOSE	0500-02 DEW POINT TESTING -BKR F10	2	4/30/2002	20412		0.0	5/21/2002
FACILITY Long Description:	CMP	**0000158805**	CLOSE	0500-28 BKR SUMM/WINT INSP F10	2	4/24/2002	20412		0.0	5/6/2002
FACILITY Long Description:	CMP	**0000129567**	CLOSE	0500-28 BKR SUMM/WINT INSP F10	1	9/27/2001	20412		4.0	10/24/2001
FACILITY Long Description:	CMP	**0000129510**	CLOSE	0500-17 ANNUAL COMPRESSOR BKR F10	9	9/27/2001	20412		0.0	10/24/2001
FACILITY Long Description:	GC	**0000120772**	CLOSE	GAS CALL- BKR F10	1	7/16/2001	17135		0.0	7/16/2001
FACILITY Long Description:	GC	**0000116700**	CLOSE	GAS CALL- BKR F10	1	6/12/2001	17135		0.0	6/12/2001
FACILITY Long Description:	CMP	**0000111139**	CLOSE	0500-02 DEW POINT TESTING -BKR F10	1	4/30/2001	20412		0.0	5/14/2001
FACILITY Long Description:	CMP	**0000106543**	CLOSE	0500-28 BKR SUMM/WINT INSP F10	1	4/2/2001	20412		0.0	4/12/2001

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MAXIMO REPORT: EQUIPMENT HISTORY

Station: E13 ST 138 KV **Equipment: BKR-0003366** **E13ST-CIRCUIT BREAKER-F10**

RESP AREA	WORK TYPE	WORK NUMBER	STATUS	DESCRIPTION	PRTY	REPORT DATE	REPORTED BY	SUPV	HRS	ACTUAL FINISH
FACILITY	CAP	**0000101974**	CLOSE	REPLACE BACKUP TIMERS ON (BKR F10)	5	3/6/2001	20412		0.0	4/7/2003
Long Description:										
FACILITY	CMP	**0000100343**	CLOSE	0500-02 DEW POINT TESTING -BKR F10	1	3/1/2001	29132		0.0	3/26/2001
Long Description:										
FACILITY	GC	**0000094680**	CLOSE	GAS CALL- BKR F10	1	1/10/2001	75421		0.0	1/10/2001
Long Description:										
FACILITY	GC	**0000089309**	CLOSE	E13ST-GAS CALL GCB F10	2	12/20/2000	19093		0.0	2/10/2003
Long Description:										
FACILITY	CMP	**0000086019**	CLOSE	0500-02 DEW POINT TESTING -BKR F10	1	12/1/2000	20412		0.0	12/27/2000
Long Description:										
FACILITY	CM	**0000077189**	CLOSE	BKR F10: HIGH PRESSURE HEATER#2 DEFECTIVE	9	10/13/2000	39554		80.0	10/16/2000
Long Description:										
FACILITY	CMP	**0000075313**	CLOSE	0500-02 DEW POINT TESTING -BKR F10	1	10/2/2000	20412		0.0	10/20/2000
Long Description:										
FACILITY	CMP	**0000075291**	CLOSE	0500-17 ANNUAL COMPRESSOR BKR F10	9	10/2/2000	20412		0.0	10/19/2000
Long Description:										
FACILITY	OH	**0000072799**	CLOSE	E13ST BKR F10 (GCB)	1	9/12/2000	29132		0.0	5/4/1995
Long Description: **UPDATED DUE TO BREAKER RETROFIT ON 5-4-1995**										
FACILITY	CMP	**0000057953**	CLOSE	0500-28 BKR SUMM/WINT INSP F 10	1	4/21/2000	19325		0.0	4/21/2000
Long Description:										
FACILITY	CMP	**0000056807**	CLOSE	0500-02 DEW POINT TESTING -E13 BKR F10	1	4/6/2000	89260		0.0	4/21/2000
Long Description:										
FACILITY	CM	**0000054887**	CLOSE	INSTALL TEMP GAUGES BKR F10	9	3/27/2000	20412		8.0	3/28/2000
Long Description:										
FACILITY	CMP	**0000025239**	CLOSE	ANNUAL SUMMERIZATION OF SFP BKR F10	9	7/1/1999	20412	20099	0.0	7/6/1999
Long Description:										
FACILITY	CMP	**0000025091**	CLOSE	ANNUAL SUMMERIZATION OF SFP BKR F10	9	7/1/1999	20412	20099	0.0	5/24/1999
Long Description:										

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MAXIMO REPORT: EQUIPMENT HISTORY

Station: E13 ST 138 KV **Equipment: BKR-0003366** **E13ST-CIRCUIT BREAKER-F10**

RESP AREA	WORK TYPE	WORK NUMBER	STATUS	DESCRIPTION	PRTY	REPORT DATE	REPORTED BY	SUPV	HRS	ACTUAL FINISH
FACILITY Long Description:	GC	**0000021890**	CLOSE	E13ST-GAS CALL GCB F10	1	6/1/1999	13357		2.0	12/22/2000
FACILITY Long Description:	CMP	**0000018324**	CLOSE	ANNUAL SUMMERIZATION OF SFP BKR F10	9	5/10/1999	19325	20099	18.0	5/24/1999
FACILITY Long Description:	DT	**0000017906**	CLOSE	BKR-0003366 GCB F-10	1	5/4/1999	13357		0.0	5/4/1995

98 total work order(s) having 1684 hours.

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MAXIMO REPORT: EQUIPMENT HISTORY

Station: RAMAPO 345KV **Equipment: BKR-0004476** **RAMAPO-CIRCUIT BREAKER T-1500-W-72-2**

RESP AREA	WORK TYPE	WORK NUMBER	STATUS	DESCRIPTION	PRTY	REPORT DATE	REPORTED BY	SUPV	HRS	ACTUAL FINISH
FACILITY Long Description:	GC	**0008219144**	COMP	GAS CALL- BKR T-1500-W-72-2	4	6/4/2008	56751	56751	2.0	6/4/2008
FACILITY Long Description:	GC	**0008060947**	CLOSE	GAS CALL- BKR T-1500-W-72-2	4	4/7/2008	75400	75400	2.0	4/10/2008
FACILITY Long Description:	GC	**0007976681**	CLOSE	GAS CALL- BKR T-1500-W-72-2	4	3/10/2008	56751	56751	2.0	3/10/2008
FACILITY Long Description:	GC	**0007907160**	CLOSE	GAS CALL- BKR T-1500-W-72-2	4	2/27/2008	56751	56751	2.0	2/27/2008
FACILITY Long Description:	CMP-0	**0007861357**	COMP	0500-28 BKR SUMMERIZATION INSP T-1500-W-72-2	4	2/8/2008	89260	15477	3.0	5/19/2008
FACILITY Long Description:	CM	**0007850188**	CLOSE	REPAIR AIR LEAK IN AIR CONTROL CABINET	2	2/5/2008	00594		8.0	2/28/2008

From: Laino, Robert
Sent: Tuesday, February 05, 2008 12:16 PM
To: Rowan, Thomas; Andresen, Justin R
Cc: Caruso, Robert; Sanchez, Steven; Laino, Robert
Subject: Ramapo Bkr T-1500-W-72-2

Tom, please schedule Breaker T-1500-W-72-2 at Ramapo out of service to repair air leak in Air Control Cabinet. We will need an 8 hour outage with a 1 hour recall, we do not need Breaker grounded, just the Disco's open. Justin, please supply Tom Rowan with a Maximo number, thanks.

FACILITY Long Description:	GC	**0007796424**	CLOSE	GAS CALL- BKR T-1500-W-72-2	4	1/25/2008	56751	56751	4.0	1/25/2008
FACILITY Long Description:	GC	**0007756185**	CLOSE	GAS CALL- BKR T-1500-W-72-2	4	1/14/2008	56751	56751	2.0	1/14/2008
FACILITY Long Description:	GC	**0007664534**	CLOSE	GAS CALL- BKR T-1500-W-72-2	4	12/24/2007	56751	56751	4.0	12/24/2007
FACILITY Long Description:	DT	**0007547220**	APPR	BKR- T-1500-W-72-2 (DT)	4	11/10/2007	MAXADMIN		0.0	
FACILITY Long Description:	GC	**0007544808**	CLOSE	GAS CALL- BKR T-1500-W-72-2	4	11/8/2007	56751	56751	2.0	11/8/2007

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MAXIMO REPORT: EQUIPMENT HISTORY

Station: RAMAPO 345KV **Equipment: BKR-0004476** **RAMAPO-CIRCUIT BREAKER T-1500-W-72-2**

RESP AREA	WORK TYPE	WORK NUMBER	STATUS	DESCRIPTION	PRTY	REPORT DATE	REPORTED BY	SUPV	HRS	ACTUAL FINISH
FACILITY Long Description:	CMP-0	**0007508464**	CLOSE	0500-02 DEW POINT TESTING -BKR T-1500-W-72-2	4	10/31/2007	MAXADMIN	56751	1.0	11/7/2007
FACILITY Long Description:	CMP-0	**0007507402**	APPR	0500-17 ANNUAL COMPRESSOR BKR T1500-W-72-2	4	10/31/2007	MAXADMIN	56751	0.0	
FACILITY Long Description:	GC	**0007451543**	CLOSE	GAS CALL- BKR T-1500-W-72-2	4	10/16/2007	56751	56751	2.0	10/16/2007
FACILITY Long Description:	CMP-0	**0007306042**	CLOSE	0500-28 BKR WINTERIZATION INSP T-1500-W-72-2	4	9/30/2007	MAXADMIN	16108	2.0	11/9/2007
FACILITY Long Description:	GC	**0006945059**	CLOSE	GAS CALL- BKR T-1500-W-72-2	2	5/22/2007	56751	56751	2.0	5/22/2007
FACILITY Long Description:	CM	**0006717384**	CLOSE	T-1500W-72-2 LEAK AT AIR SHUTOFF VALVE	5	3/21/2007	15477		6.0	3/21/2007
FACILITY Long Description:	CM	**0006689750**	CLOSE	T-1500-W72-2 ATKOMATIC VALVE ADJUSTMENT	5	3/5/2007	15477		0.0	3/8/2007
FACILITY Long Description:	CMP	**0006601666**	CLOSE	0500-28 BKR SUMMERIZATION INSP T-1500-W-72-2	2	2/28/2007	MAXADMIN	15477	2.0	4/27/2007
FACILITY Long Description:	GC	**0006490248**	CLOSE	GAS CALL- BKR T-1500-W-72-2	2	1/26/2007	56751	56751	0.0	1/26/2007
FACILITY Long Description:	CMP	**0006198790**	CLOSE	0500-02 DEW POINT TESTING -BKR T-1500-W-72-2	2	10/31/2006	MAXADMIN	56751	2.0	1/19/2007
FACILITY Long Description:	CMP	**0006198080**	CLOSE	0500-17 ANNUAL COMPRESSOR BKR T1500-W-72-2	2	10/31/2006	MAXADMIN	56751	8.0	10/2/2007
FACILITY Long Description:	GC	**0006159420**	CLOSE	GAS CALL- BKR T-1500-W-72-2	2	10/16/2006	15477	15477	1.5	10/16/2006
FACILITY Long Description:	CMP	**0006104905**	CLOSE	0500-28 BKR WINTERIZATION INSP T-1500-W-72-2	2	9/30/2006	MAXADMIN	16108	6.0	12/8/2006
FACILITY Long Description:	GC	**0005859335**	CLOSE	GAS CALL- BKR T-1500-W-72-2	2	7/23/2006	88029	01831	16.0	7/24/2006

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MAXIMO REPORT: EQUIPMENT HISTORY

Station: RAMAPO 345KV **Equipment: BKR-0004476** **RAMAPO-CIRCUIT BREAKER T-1500-W-72-2**

RESP AREA	WORK TYPE	WORK NUMBER	STATUS	DESCRIPTION	PRTY	REPORT DATE	REPORTED BY	SUPV	HRS	ACTUAL FINISH
FACILITY Long Description:	GC	**0005614973**	CLOSE	GAS CALL- BKR T-1500-W-72-2	2	5/5/2006	82544	82544	2.8	5/5/2006
FACILITY Long Description:	RET	**0005515963**	POUTG	BKR- T-1500-W-72-2 REMOVE BREAKER FROM PAD	5	4/6/2006	19093		0.0	
FACILITY Long Description:	CM	**0005399568**	CLOSE	T-1500-W72-2 RECLOSURE NG & PAR3500 LOR REPLACEMENT	5	3/3/2006	15477		12.0	3/6/2006
FACILITY Long Description:	CMP	**0005323309**	CLOSE	0500-28 BKR SUMMERIZATION INSP T-1500-W-72-2	2	2/28/2006	MAXADMIN	15477	1.5	5/22/2006
PROTSYS Long Description:	SR	**0005299678**	CLOSE	T-1500-W72-2 RECLOSURE NG & PAR3500 LOR REPLACEMENT	5	2/21/2006	10644		88.0	3/5/2006
FACILITY Long Description:	CAP	**0005291676**	CLOSE	RAMAPO - TRIP COIL DC FEED MOD FOR BKR T-1500-W-72-2 BATT RM ECB	4	2/16/2006	80629		0.0	3/8/2007
FACILITY Long Description:	GC	**0005083901**	CLOSE	GAS CALL- BKR T-1500-W-72-2	2	12/28/2005	82544	82544	2.8	12/28/2005
FACILITY Long Description:	GC	**0004937343**	CLOSE	GAS CALL- BKR T-1500-W-72-2	2	11/15/2005	39467	82577	4.0	11/16/2005
FACILITY Long Description:	CMP	**0000344856**	CLOSE	0500-02 DEW POINT TESTING -BKR T-1500-W-72-2	2	10/25/2005	PMWOGEN	49112	0.0	11/9/2005
FACILITY Long Description:	CMP	**0000341308**	CLOSE	0500-28 BKR WINTERIZATION INSP T-1500-W-72-2	2	9/25/2005	PMWOGEN	82577	0.0	11/28/2005
FACILITY Long Description:	GC	**0000339387**	CLOSE	GAS CALL- BKR T-1500-W-72-2	2	9/25/2005	58712	58712	8.0	9/25/2005
FACILITY Long Description:	GC	**0000338888**	CLOSE	GAS CALL- BKR T-1500-W-72-2	2	9/19/2005	58712	58712	0.0	9/19/2005
FACILITY Long Description:	CMP	**0000301220**	CLOSE	0500-28 BKR SUMMERIZATION INSP T-1500-W-72-2	4	2/25/2005	PMWOGEN	15477	1.5	5/15/2005

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MAXIMO REPORT: EQUIPMENT HISTORY

Station: RAMAPO 345KV **Equipment: BKR-0004476** **RAMAPO-CIRCUIT BREAKER T-1500-W-72-2**

RESP AREA	WORK TYPE	WORK NUMBER	STATUS	DESCRIPTION	PRTY	REPORT DATE	REPORTED BY	SUPV	HRS	ACTUAL FINISH
FACILITY Long Description:	GC	**0000298334**	CLOSE	GAS CALL- BKR T-1500-W-72-2	2	2/19/2005	15477	15477	2.0	2/19/2005
FACILITY Long Description:	CMP	**0000277460**	CLOSE	0500-02 DEW POINT TESTING -BKR T-1500-W-72-2	4	10/25/2004	PMWOGEN	99294	2.0	12/28/2004
FACILITY Long Description:	CMP	**0000274538**	CLOSE	0500-28 BKR WINTERIZATION INSP T-1500-W-72-2	4	9/25/2004	PMWOGEN	15477	2.0	11/6/2004
FACILITY Long Description:	CM	**0000259604**	CLOSE	TROUBLESHOOT T-1500 W72-2	4	6/15/2004	14180	86349	8.0	6/25/2004
FACILITY Long Description:	GC	**0000248528**	CLOSE	GAS CALL- BKR T-1500-W-72-2	2	3/22/2004	75400	75400	0.0	8/11/2004
FACILITY Long Description:	GC	**0000248003**	CLOSE	GAS CALL- BKR T-1500-W-72-2	2	3/15/2004	01150	01730	0.0	3/15/2004
FACILITY Long Description:	GC	**0000247463**	CLOSE	GAS CALL- BKR T-1500-W-72-2	2	3/5/2004	82544	82544	0.0	3/5/2004
FACILITY Long Description:	CMP	**0000245899**	CLOSE	0500-28 BKR SUMMERIZATION INSP T-1500-W-72-2	4	2/28/2004	PMWOGEN	15477	0.5	5/16/2004
FACILITY Long Description:	GC	**0000240045**	CLOSE	GAS CALL- BKR T-1500-W-72-2	2	1/21/2004	75400	75400	0.0	1/21/2004
FACILITY Long Description:	CMP	**0000232968**	CLOSE	0500-02 DEW POINT TESTING -BKR T-1500-W-72-2	4	11/25/2003	PMWOGEN	99294	0.0	12/19/2003
FACILITY Long Description:	CM	**0000232172**	CLOSE	T-1500W-72-2 LEAK AT AIR SHUTOFF VALVE	5	11/11/2003	15477	01150	32.0	9/21/2005
FACILITY Long Description:	CMP	**0000225812**	CLOSE	0500-28 BKR SUMM/WINT INSP T-1500-W-72-2	4	9/29/2003	14180	15477	0.8	11/9/2003
PROTSYS Long Description:	SR	**0000216610**	CLOSE	W72 TRIPOUT INVESTIGATION	2	7/17/2003	43414		128.0	10/6/2003
FACILITY Long Description:	CMP	**0000203784**	CLOSE	0500-28 BKR SUMM/WINT INSP T-1500-W-72-2	2	4/1/2003	19093		0.5	4/30/2003

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MAXIMO REPORT: EQUIPMENT HISTORY

Station: RAMAPO 345KV **Equipment: BKR-0004476** **RAMAPO-CIRCUIT BREAKER T-1500-W-72-2**

RESP AREA	WORK TYPE	WORK NUMBER	STATUS	DESCRIPTION	PRTY	REPORT DATE	REPORTED BY	SUPV	HRS	ACTUAL FINISH
FACILITY Long Description:	GC	**0000201255**	CLOSE	GAS CALL- BKR T-1500-W-72-2	2	3/22/2003	15477		0.0	3/22/2003
FACILITY Long Description:	GC	**0000196743**	CLOSE	GAS CALL- BKR T-1500-W-72-2	2	2/8/2003	15477		0.0	2/10/2003
FACILITY Long Description:	CMP	**0000187733**	CLOSE	0500-02 DEW POINT TESTING -BKR T-1500-W-72-2	2	12/2/2002	19093		2.0	2/20/2003
FACILITY Long Description:	CMP	**0000178367**	CLOSE	0500-28 BKR SUMM/WINT INSP T-1500-W-72-2	2	10/1/2002	19093		1.0	1/13/2003
FACILITY Long Description:	ALARM	**0000162099**	CLOSE	BKR T-1500-W-72-2 CHECK ALARM UP	2	5/20/2002	19093	01150	16.0	10/18/2002
FACILITY Long Description:	CMP	**0000153638**	CLOSE	0500-28 BKR SUMM/WINT INSP T-1500-W-72-2	2	3/19/2002	15477		1.0	4/20/2002
FACILITY Long Description:	GC	**0000145905**	CLOSE	GAS CALL ACB/ T-1500-W-72-2	1	1/24/2002	19093		0.0	1/25/2002
FACILITY Long Description:	CMP	**0000139602**	CLOSE	0500-02 DEW POINT TESTING -BKR T-1500-W-72-2	4	12/3/2001	19093		3.0	2/8/2002
FACILITY Long Description:	GC	**0000132971**	CLOSE	GAS CALL- BKR T-1500-W-72-2	1	10/11/2001	70286		0.0	10/30/2001

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MAXIMO REPORT: EQUIPMENT HISTORY

Station: RAMAPO 345KV **Equipment: BKR-0004476** **RAMAPO-CIRCUIT BREAKER T-1500-W-72-2**

RESP AREA	WORK TYPE	WORK NUMBER	STATUS	DESCRIPTION	PRTY	REPORT DATE	REPORTED BY	SUPV	HRS	ACTUAL FINISH
FACILITY	ALARM	**0000132479**	CLOSE	CIRCUIT BREAKER #T-1500-W72-2 LOW AIR PRESSURE OR LOW GAS ALARM	2	10/8/2001	11648		0.0	11/21/2001

Long Description: **Alarm up in Control Room:**
Power Circuit Breaker Low Air Press. or Low SF6 Gas

T-1500-W72-2 is an ATB-7 Circuit Breaker
Readings:
Air Storage- 1900 psi
Operating - 500 psi (all 3 phases)
SF6 gas at the CTs:
Pole #1- 66 psig
Pole #2- 70 psig
Pole #3- 63 psig
Pole #4- 65 psig
Pole #5- 66 psig
Pole #6- 72 psig

FACILITY	CMP	**0000129895**	CLOSE	0500-28 BKR SUMM/WINT INSP T-1500-W-72-2	1	9/27/2001	19093		1.0	10/21/2001

Long Description:

AUXSUP	HPOT	**0000113426**	CLOSE	RAMAPO-BKR T-1500-W-72-2 - AFTER OVERHAUL HIPOT BREAKER	1	5/15/2001	19093	99498	24.0	7/5/2001

Long Description:

FACILITY	CM	**0000113259**	CLOSE	MC 86S/T-1500-W72-2 SCOKET N.G	9	5/11/2001	39467	01150	16.0	7/16/2001

Long Description:

FACILITY	CM	**0000112561**	CLOSE	INCORRECT IDENTIFICATION OF RELAY #50S/62S/T-1500-W72-2	9	5/3/2001	11648		0.0	5/14/2001

Long Description: **The sign associated with relay #86S/T-1500-W72-2 states INIT BY: 50S/62S/T-2500-W72-2 when the actual relay that performs this function is 50S/62S/T-1500-W72-2.**

FACILITY	CMP	**0000110531**	CLOSE	0500-28 BKR SUMM/WINT INSP T-1500-W-72-2	1	4/25/2001	19093		0.0	6/22/2001

Long Description:

AUXSUP	CM	**0000107313**	CLOSE	RAMAPO BKR T-1500-W-72-2- SERVICE LIMCO TRAILOR	1	4/2/2001	19093	99498	39.0	6/6/2001

Long Description:

AUXSUP	HPOT	**0000106885**	CLOSE	RAMAPO-BKR T-1500-W-72-2 - AFTER OVERHAUL HIPOT BREAKER	1	4/2/2001	19093	99498	15.0	5/11/2001

Long Description:

Redacted

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MAXIMO REPORT: EQUIPMENT HISTORY

Station: RAMAPO 345KV **Equipment: BKR-0004476** **RAMAPO-CIRCUIT BREAKER T-1500-W-72-2**

RESP AREA	WORK TYPE	WORK NUMBER	STATUS	DESCRIPTION	PRTY	REPORT DATE	REPORTED BY	SUPV	HRS	ACTUAL FINISH
PROTSYS Long Description:	SR	**0000106872**	CLOSE	BKR T-1500-W-72-2 - ISOLATE CT'S & INSTALL JUMPERS	1	4/2/2001	19093		107.0	8/10/2001
FACILITY Long Description:	GC	**0000089105**	CLOSE	GAS CALL ACB/ T-1500-W-72-2	2	12/20/2000	19093		11.0	2/28/2003
FACILITY Long Description:	CMP	**0000086496**	CLOSE	0500-02 DEW POINT TESTING -BKR T-1500-W-72-2	9	12/1/2000	19093		4.0	1/5/2001
FACILITY Long Description:	CM	**0000079568**	CLOSE	AIR LEAK IN CONTROL CABINET,REPLACE "O" ON VALVE	9	11/3/2000	01150	01150	14.0	11/7/2000
FACILITY Long Description:	CMP	**0000076970**	CLOSE	0500-28 BKR SUMM/WINT INSP T-1500-W-72-2	1	10/12/2000	19093		0.0	11/16/2000
FACILITY Long Description:	CMP	**0000071782**	CLOSE	0500-02 DEW POINT TESTING -BKR T-1500-W-72-2	9	9/5/2000	19093		3.0	9/26/2000
FACILITY Long Description:	CMP	**0000063895**	CLOSE	0500-02 DEW POINT TESTING -BKR T-1500-W-72-2	9	6/12/2000	19093		0.0	7/17/2000
FACILITY Long Description:	OH	**0000057518**	CLOSE	RAMAPO BKR T-1500-W-72-2 (ACB)	1	4/17/2000	19093		2156.0	5/11/2001
FACILITY Long Description:	CMP	**0000049623**	CLOSE	0500-02 CIR BKR - T-1500-W-72-2 - DEW POINT TEST	9	2/7/2000	19093		3.0	5/2/2000
FACILITY Long Description:	CM	**0000047399**	CLOSE	BKR T-1500-W-72-2 CHANGE ATKAMATIC VALVE	9	1/17/2000	19093	46553	446.0	1/29/2000
FACILITY Long Description:	GC	**0000041472**	CLOSE	RAMAPO-GAS CALL ACB/ T-1500-W-72-2	1	11/17/1999	19093	46553	0.0	12/7/1999
FACILITY Long Description:	CMP	**0000038655**	CLOSE	0500-28-CIR BKRS WINTERIZATION - BKR T-1500-W-72-2	1	10/21/1999	19093	46553	0.0	11/30/1999
FACILITY Long Description:	GC	**0000033902**	CLOSE	RAMAPO-GAS CALL ACB/ T-1500-W-72-2	1	9/16/1999	19093	46553	2.0	9/19/1999

MAXIMO REPORT: EQUIPMENT HISTORY

Station: RAMAPO 345KV **Equipment: BKR-0004476** **RAMAPO-CIRCUIT BREAKER T-1500-W-72-2**

RESP AREA	WORK TYPE	WORK NUMBER	STATUS	DESCRIPTION	PRTY	REPORT DATE	REPORTED BY	SUPV	HRS	ACTUAL FINISH
FACILITY	CMP	**0000030107**	CLOSE	500-02 CIR BKR - T-1500-W-72-2 - DEW POINT TEST	9	8/12/1999	19093	46553	2.0	9/14/1999
Long Description:										
FACILITY	GC	**0000024806**	CLOSE	BREAKER T-1500-W-72-2 ADDED 8 LBS.	1	6/29/1999	19093	46553	3.0	6/28/1999
Long Description:										
FACILITY	GC	**0000024804**	CLOSE	RAMAPO-GAS CALL BKR T-1500-W-72-2	1	6/29/1999	19093	46553	2.0	12/24/2000
Long Description:										

85 total work order(s) having 3246.75 hours.

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MAXIMO REPORT: EQUIPMENT HISTORY

Station: DUNWOODIE NORTH 138 **Equipment: BKR-0004946** **DUN NO-CIRCUIT BREAKER-9AN *RETIRED***

RESP AREA	WORK TYPE	WORK NUMBER	STATUS	DESCRIPTION	PRTY	REPORT DATE	REPORTED BY	SUPV	HRS	ACTUAL FINISH
AUXSUP	CAP	**0007907679**	CLOSE	DUNW- BKR 9AN- SUPPORT NEW BKR INSTALL- REMOVE EXTRA SF6 GAS LEFT IN CART AFTER	3	2/27/2008	49436	49436	15.0	2/27/2008

Long Description: **filled 2 con ed cylinders from cart.**
area requested ASAP because needed cart for Rockview ckt switcher, could not move cart within station, needed to bring around on street. 100 PSI in main tank.

AUXSUP	CAP	**0007805266**	CLOSE	DUNW BKR 9 AN- HIPOT AFTER INSTALL NEW	5	1/30/2008	49436	49436	36.0	2/7/2008

Long Description: **DC Proof Test Data**

Location Of Test: Dunw Equip. Bkr 9AN Date: 2/7/2008 Starting Time:

Voltage Applied: 230 kv dc Duration of Test: 5 min's Station Set/Truck # V1 Performed By:

Test OK: Test Failed: Surged: End Time:

TEST DATA : All phases tied

ELAPSED TIME	DC KILOVOLTS	MILLIAMPS	Remarks:
0 sec.	230	0.5	set leakage= .05 ma
15 sec.	230	0.5	
30 sec.	230	0.5	
45 sec.	230	0.5	
1 min.	230	0.5	
2 min.	230	0.5	
3 min.	230	0.5	
4 min.	230	0.5	
5 min.	230	0.5	

PROTSYS	CAP	**0007788127**	INPRG	BREAKER 9AN INSTALLATION	2	1/18/2008	42835		801.0	

Long Description:

CONST	CAP	**0007726882**	CLOSE	BKR 9AN INSTALLATION	5	1/8/2008	19963		2232.0	2/22/2008

Long Description:

CONST	CAP	**0007726879**	CLOSE	DUNWOODIE BKR 9AN RETIREMENT	5	1/8/2008	19963		311.5	1/27/2008

Long Description:

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MAXIMO REPORT: EQUIPMENT HISTORY

Station: DUNWOODIE NORTH 138 **Equipment: BKR-0004946** **DUN NO-CIRCUIT BREAKER-9AN *RETIRED***

RESP AREA	WORK TYPE	WORK NUMBER	STATUS	DESCRIPTION	PRTY	REPORT DATE	REPORTED BY	SUPV	HRS	ACTUAL FINISH
FACILITY	CAP	**0007725477**	CLOSE	CI - DUNWOODIE 9AN BREAKER CONDUITS	5	1/7/2008	00594		99.0	1/19/2008

Long Description:

From: Michaels, Kenneth
Sent: Monday, January 07, 2008 10:00 AM
To: Sanchez, Steven
Subject: FW: Maximo Number

Steve
Can you get me two maximo numbers for account numbers below.
Thanks
Kenny

From: Jones, Edward W
Sent: Monday, January 07, 2008 9:50 AM
To: Michaels, Kenneth
Cc: Tolve, James M
Subject: RE: Maximo Number

Ken - Please contact Steve Sanchez in Briarcliff.

Edward Jones
North Area Maximo Coordinator
Cell - (917) 440-2714

From: Michaels, Kenneth
Sent: Monday, January 07, 2008 9:20 AM
To: Jones, Edward W
Cc: Tolve, James M
Subject: Maximo Number

Ed
Can I get a maximo number for Account numbers 35996 Elmsford SPCC 200 Hours starting today also account 37692 Dunwoodie 9AN breaker conduits starting today 120 Hours.
Thanks

Ken Michaels
Construction Management Substation/Transmissions
Project Specialist
cell 917-417-1821
30 Worth Street
Yonkers, N.Y. 10701

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MAXIMO REPORT: EQUIPMENT HISTORY

Station: DUNWOODIE NORTH 138 **Equipment: BKR-0004946** **DUN NO-CIRCUIT BREAKER-9AN *RETIRED***

RESP AREA	WORK TYPE	WORK NUMBER	STATUS	DESCRIPTION	PRTY	REPORT DATE	REPORTED BY	SUPV	HRS	ACTUAL FINISH
FACILITY Long Description:	CM	**0007720837**	CLOSE	BKR 9AN - CHECK AND REPAIR COMPRESSOR	3	1/4/2008	15477		32.0	1/5/2008
ENV Long Description: **NEAR NORTH CONTROL ROOM**	DLNH	**0007549561**	CLOSE	OILY DEBRIS	5	11/11/2007	09300		0.0	1/17/2008
ENV Long Description: **located near north control room**	DLNH	**0007549560**	CLOSE	OILY DEBRIS	5	11/11/2007	09300		0.0	1/17/2008
FACILITY Long Description:	RET	**0007464055**	POUTG	BKR 9AN - BREAKER REPLACEMENT - RETIREMENT PORTION	5	10/24/2007	19093		0.0	
FACILITY Long Description:	CMP-0	**0007309370**	CLOSE	0500-28 BKR WINTERIZATION INSP 9AN	4	9/30/2007	MAXADMIN	07975	4.0	12/10/2007
FACILITY Long Description:	CMP-0	**0007236175**	CLOSE	0500-02 DEW POINT TESTING -BKR 9A-N	4	8/31/2007	MAXADMIN	88830	1.0	11/23/2007
FACILITY Long Description:	CM	**0007023593**	CLOSE	MAKE REPAIRS COMPRESSOR BKR 9AN	5	6/11/2007	00594		56.0	6/12/2007
FACILITY Long Description:	GC	**0006917581**	CLOSE	GAS CALL- BKR 9AN	2	5/2/2007	70286	70286	5.0	5/2/2007
FACILITY Long Description:	CMP	**0006601520**	CLOSE	0500-28 BKR SUMMERIZATION INSP 9AN	2	2/28/2007	MAXADMIN	00609	16.0	5/25/2007
FACILITY Long Description:	GC	**0006380475**	CLOSE	GAS CALL- BKR 9AN	2	12/20/2006	17372	17372	4.0	12/20/2006
FACILITY Long Description:	CMP	**0006101153**	CLOSE	0500-28 BKR WINTERIZATION INSP 9AN	2	9/30/2006	MAXADMIN	16108	2.0	11/30/2006
FACILITY Long Description:	CMP	**0005987978**	CLOSE	0500-02 DEW POINT TESTING -BKR 9A-N	2	8/31/2006	MAXADMIN	56751	0.0	1/22/2007
FACILITY Long Description:	GC	**0005932941**	CLOSE	GAS CALL- BKR 9AN	2	8/7/2006	86349	86349	9.5	8/7/2006

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MAXIMO REPORT: EQUIPMENT HISTORY

Station: DUNWOODIE NORTH 138 **Equipment: BKR-0004946** **DUN NO-CIRCUIT BREAKER-9AN *RETIRED***

RESP AREA	WORK TYPE	WORK NUMBER	STATUS	DESCRIPTION	PRTY	REPORT DATE	REPORTED BY	SUPV	HRS	ACTUAL FINISH
FACILITY Long Description:	CMP	**0005323099**	CLOSE	0500-28 BKR SUMMERIZATION INSP 9AN	2	2/28/2006	MAXADMIN	15477	1.8	5/21/2006
FACILITY Long Description:	GC	**0005065019**	CLOSE	GAS CALL- BKR 9AN	2	12/15/2005	15477	15477	0.0	12/15/2005
FACILITY Long Description:	GC	**0005063973**	CLOSE	GAS CALL- BKR 9AN	2	12/14/2005	15477	15477	6.0	12/21/2005
FACILITY Long Description:	CMP	**0004961226**	CLOSE	0500-17 ANNUAL COMPRESSOR BKR 9AN	2	11/30/2005	MAXADMIN	56751	0.0	12/5/2005
FACILITY Long Description:	CMP	**0000341313**	CLOSE	0500-28 BKR WINTERIZATION INSP 9AN	2	9/25/2005	PMWOGEN	87625	2.0	12/29/2005
FACILITY Long Description:	GC	**0000337092**	CLOSE	GAS CALL- BKR 9AN	2	9/10/2005	82544	82544	5.5	9/10/2005
FACILITY Long Description:	CMP	**0000333991**	CLOSE	0500-02 DEW POINT TESTING -BKR 9A-N	2	8/25/2005	PMWOGEN	49112	0.0	9/7/2005
FACILITY Long Description:	CMP	**0000301226**	CLOSE	0500-28 BKR SUMMERIZATION INSP 9AN	4	2/25/2005	PMWOGEN	15477	1.5	4/10/2005
FACILITY Long Description:	CM	**0000297598**	CLOSE	PULL CABLE FROM MINI BUS TO BREAKER 10	3	2/11/2005	14180	14859	30.0	9/14/2005
FACILITY Long Description:	CM	**0000292470**	CLOSE	GAS CABINET HEATERS NG	5	1/9/2005	15477	15477	8.0	1/9/2005
FACILITY Long Description:	CMP	**0000274544**	CLOSE	0500-28 BKR WINTERIZATION INSP 9AN	4	9/25/2004	PMWOGEN	15477	1.8	10/31/2004
FACILITY Long Description:	CMP	**0000268756**	CLOSE	0500-02 DEW POINT TESTING -BKR 9A-N	4	8/25/2004	PMWOGEN	99294	4.0	8/31/2004
FACILITY Long Description:	GC	**0000247569**	CLOSE	GAS CALL- BKR 9AN	2	3/8/2004	15187	15187	0.0	3/8/2004
FACILITY Long Description:	CMP	**0000245905**	CLOSE	0500-28 BKR SUMMERIZATION INSP 9AN	4	2/28/2004	PMWOGEN	15477	0.5	5/10/2004

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MAXIMO REPORT: EQUIPMENT HISTORY

Station: DUNWOODIE NORTH 138 **Equipment: BKR-0004946** **DUN NO-CIRCUIT BREAKER-9AN *RETIRED***

RESP AREA	WORK TYPE	WORK NUMBER	STATUS	DESCRIPTION	PRTY	REPORT DATE	REPORTED BY	SUPV	HRS	ACTUAL FINISH
FACILITY Long Description:	CMP	**0000225816**	CLOSE	0500-28 BKR SUMM/WINT INSP 9AN	4	9/29/2003	14180	15477	2.0	10/12/2003
FACILITY Long Description:	CMP	**0000211962**	CLOSE	0500-02 DEW POINT TESTING -BKR 9AN	2	6/9/2003	19093	99294	0.0	12/11/2003
FACILITY Long Description:	CMP	**0000211960**	CLOSE	0500-02 DEW POINT TESTING -BKR 9A-N	4	6/9/2003	19093	99294	1.0	7/7/2003
FACILITY Long Description:	CMP	**0000203788**	CLOSE	0500-28 BKR SUMM/WINT INSP 9AN	2	4/1/2003	19093		1.5	5/6/2003
FACILITY Long Description:	CMP	**0000187869**	CLOSE	0500-02 DEW POINT TESTING -BKR 9AN	2	12/2/2002	19093		4.0	4/8/2003
FACILITY Long Description:	CMP	**0000187734**	CLOSE	0500-02 DEW POINT TESTING -BKR 9A-N	2	12/2/2002	19093		0.0	1/2/2003
FACILITY Long Description:	CMP	**0000178122**	CLOSE	0500-28 BKR SUMM/WINT INSP 9AN	2	10/1/2002	19093		33.0	12/20/2002
FACILITY Long Description:	GC	**0000170848**	CLOSE	GAS CALL- BKR 9AN	2	8/4/2002	54992		0.0	9/27/2002
FACILITY Long Description:	DT	**0000154236**	CLOSE	BKR- 9AN (DT)	2	3/22/2002	82650		56.0	9/30/2002
FACILITY Long Description:	CMP	**0000153632**	CLOSE	0500-28 BKR SUMM/WINT INSP 9AN	2	3/19/2002	15477		1.5	4/2/2002
FACILITY Long Description:	GC	**0000149962**	CLOSE	GAS CALL- BKR 9AN	2	2/24/2002	15477		0.0	2/27/2002
FACILITY Long Description:	GC	**0000141969**	CLOSE	GAS CALL- BKR 9AN	1	12/24/2001	54992		0.0	12/30/2001
FACILITY Long Description:	CMP	**0000139600**	CLOSE	0500-02 DEW POINT TESTING -BKR 9A-N	9	12/3/2001	19093		2.0	12/13/2001

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MAXIMO REPORT: EQUIPMENT HISTORY

Station: DUNWOODIE NORTH 138 **Equipment: BKR-0004946** **DUN NO-CIRCUIT BREAKER-9AN *RETIRED***

RESP AREA	WORK TYPE	WORK NUMBER	STATUS	DESCRIPTION	PRTY	REPORT DATE	REPORTED BY	SUPV	HRS	ACTUAL FINISH
FACILITY	GC	**0000130451**	CLOSE	GAS CALL- BKR 9AN	1	9/30/2001	75444		0.0	10/30/2001
Long Description:	**as found low side 32psi at 68 degrees as left low side 40 psi at 67 degrees**									
	high side 250psi at 75 degrees high side 250psi at 75 degrees									
	total 8lbs									
FACILITY	GC	**0000130450**	CLOSE	GAS CALL- BKR 9AN	1	9/30/2001	75444		0.0	10/30/2001
Long Description:	**as found low side 32psi at 68 degrees as left low side 40 psi at 67 degrees**									
	high side 250psi at 75 degrees high side 250psi at 75 degrees									
	total 8lbs									
FACILITY	CMP	**0000129889**	CLOSE	0500-28 BKR SUMM/WINT INSP 9AN	1	9/27/2001	19093		0.3	10/15/2001
Long Description:										
FACILITY	GC	**0000129250**	CLOSE	GAS CALL- BKR 9AN	1	9/26/2001	75444		0.0	10/30/2001
Long Description:	**as found low side 32psi at 68 degrees as left low side 40 psi at 67 degrees**									
	high side 250psi at 75 degrees high side 250psi at 75 degrees									
	total 8lbs									
FACILITY	GC	**0000129064**	CLOSE	GAS CALL- BKR 9AN	1	9/24/2001	75444		0.0	10/30/2001
Long Description:	**as found low side 30psi at 74 degrees as left 45psi at 71 degrees**									
	high side 260psi at 87 degrees 260psi at 87degrees									
	total 15LBS									
FACILITY	CM	**0000128008**	CLOSE	BREAKER 9AN B.U. TIMER 62F-9AN/B9N MONITORING LIGHT OUT	9	9/8/2001	16258	19963	8.0	9/24/2001
Long Description:										
FACILITY	GC	**0000127677**	CLOSE	GAS CALL- BKR 9AN	1	9/4/2001	49112		0.0	9/4/2001
Long Description:										

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MAXIMO REPORT: EQUIPMENT HISTORY

Station: DUNWOODIE NORTH 138 **Equipment: BKR-0004946** **DUN NO-CIRCUIT BREAKER-9AN *RETIRED***

RESP AREA	WORK TYPE	WORK NUMBER	STATUS	DESCRIPTION	PRTY	REPORT DATE	REPORTED BY	SUPV	HRS	ACTUAL FINISH
FACILITY Long Description:	GC	**0000126257**	CLOSE	GAS CALL- BKR 9AN	1	8/28/2001	49112		0.0	8/28/2001
FACILITY Long Description:	GC	**0000125978**	CLOSE	GAS CALL- BKR 9AN	1	8/27/2001	84868		0.0	8/27/2001
FACILITY Long Description:	GC	**0000125024**	CLOSE	GAS CALL- BKR 9AN	1	8/20/2001	86450		0.0	8/27/2001
FACILITY Long Description:	GC	**0000124022**	CLOSE	GAS CALL- BKR 9AN	1	8/7/2001	75444		0.0	8/27/2001
	AS FOUND LOW SIDE 36PSI AT 102 DEGREES AS LEFT LOW SIDE 45 PSI AT 88 DEGREES **AS FOUND HIGH SIDE 275PSI AT 100 DEGREES AS LEFT HIGH SIDE 275PSI AT 96 DEGREES** **TOTAL 9LBS**									
FACILITY Long Description:	GC	**0000123615**	CLOSE	GAS CALL- BKR 9AN	1	8/5/2001	15477		0.0	8/27/2001
FACILITY Long Description:	GC	**0000123177**	CLOSE	GAS CALL- BKR 9AN	1	8/2/2001	49112		8.0	8/2/2001
FACILITY Long Description:	GC	**0000121609**	CLOSE	GAS CALL- BKR 9AN	1	7/21/2001	75444		0.0	8/27/2001
	as found lowside 38 psi at 107 degrees highside 260psi at 90 degrees **as left lowside 48 psi at 103 degrees high side 260psi at 90 degrees** **total 10LBS**									
FACILITY Long Description:	GC	**0000121606**	CLOSE	GAS CALL- BKR 9AN	1	7/21/2001	75444		0.0	7/21/2001
FACILITY Long Description:	GC	**0000121170**	CLOSE	GAS CALL- BKR 9AN	1	7/19/2001	49112		0.0	7/19/2001
FACILITY Long Description:	CM	**0000121083**	CLOSE	BKR 9AN - MAKE REPAIRS TO SF6 LEAKS	5	7/18/2001	39418	19963	42.0	4/17/2002
FACILITY Long Description:	GC	**0000119998**	CLOSE	GAS CALL- BKR 9AN	1	7/5/2001	75444		0.0	7/9/2001

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MAXIMO REPORT: EQUIPMENT HISTORY

Station: DUNWOODIE NORTH 138 **Equipment: BKR-0004946** **DUN NO-CIRCUIT BREAKER-9AN *RETIRED***

RESP AREA	WORK TYPE	WORK NUMBER	STATUS	DESCRIPTION	PRTY	REPORT DATE	REPORTED BY	SUPV	HRS	ACTUAL FINISH
FACILITY	GC	**0000117180**	CLOSE	GAS CALL- BKR 9AN	1	6/19/2001	75444		0.0	7/9/2001
Long Description:	**as found low pressure 35psi as left low pressure 45psi total 10LBS**									
FACILITY	GC	**0000117178**	CLOSE	GAS CALL- BKR 9AN	1	6/19/2001	75444		0.0	7/9/2001
Long Description:	**as found low pressure 35psi as left low pressure 45psi total 10lbs**									
FACILITY	GC	**0000115760**	CLOSE	GAS CALL- BKR 9AN	1	6/4/2001	03268		0.0	7/9/2001
Long Description:										
FACILITY	GC	**0000115759**	CLOSE	GAS CALL- BKR 9AN	1	6/4/2001	03268		0.0	7/9/2001
Long Description:										
FACILITY	CM	**0000115727**	CLOSE	BREAKER 9AN TRIPS FREE	9	6/3/2001	16258	01609	16.0	7/5/2001
Long Description:										
FACILITY	GC	**0000114509**	CLOSE	GAS CALL- BKR 9AN	1	5/28/2001	75444		0.0	7/9/2001
Long Description:										
FACILITY	GC	**0000114218**	CLOSE	GAS CALL- BKR 9AN	1	5/24/2001	49112		8.0	5/24/2001
Long Description:										
FACILITY	GC	**0000113452**	CLOSE	GAS CALL- BKR 9AN	1	5/15/2001	49112		0.0	5/15/2001
Long Description:										
FACILITY	GC	**0000112855**	CLOSE	GAS CALL- BKR 9AN	1	5/7/2001	19093		0.0	5/15/2001
Long Description:										
FACILITY	GC	**0000112658**	CLOSE	GAS CALL- BKR 9AN	1	5/4/2001	86349		0.0	5/4/2001
Long Description:										
FACILITY	GC	**0000110958**	CLOSE	GAS CALL- BKR 9AN	1	4/28/2001	49112		0.0	5/15/2001
Long Description:										
FACILITY	CMP	**0000110525**	CLOSE	0500-28 BKR SUMM/WINT INSP 9AN	1	4/25/2001	19093		0.0	6/22/2001
Long Description:										

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MAXIMO REPORT: EQUIPMENT HISTORY

Station: DUNWOODIE NORTH 138 **Equipment: BKR-0004946** **DUN NO-CIRCUIT BREAKER-9AN *RETIRED***

RESP AREA	WORK TYPE	WORK NUMBER	STATUS	DESCRIPTION	PRTY	REPORT DATE	REPORTED BY	SUPV	HRS	ACTUAL FINISH
FACILITY Long Description:	GC	**0000103993**	CLOSE	GAS CALL- BKR 9AN	1	3/12/2001	49112		0.0	3/12/2001
FACILITY Long Description:	GC	**0000103820**	CLOSE	GAS CALL- BKR 9AN	1	3/9/2001	49112		0.0	3/9/2001
FACILITY Long Description:	GC	**0000101757**	CLOSE	GAS CALL- BKR 9AN	1	3/5/2001	75444		0.0	4/26/2001
	high side as found 250psi at 72 degrees as left 250psi at 72 degrees **low side as found 25psi at 52 degrees as left 40 psi at 50 degrees** **total added 15 lbs**									
FACILITY Long Description:	GC	**0000099130**	CLOSE	GAS CALL- BKR 9AN	1	2/23/2001	75444		0.0	4/26/2001
FACILITY Long Description:	GC	**0000096248**	CLOSE	GAS CALL- BKR 9AN	1	1/31/2001	49112		0.0	5/15/2001
FACILITY Long Description:	GC	**0000089056**	CLOSE	GAS CALL- BKR 9AN	2	12/20/2000	54992		93.5	2/28/2003
FACILITY Long Description:	CMP	**0000086491**	CLOSE	0500-02 DEW POINT TESTING -BKR 9A-N	9	12/1/2000	19093		0.0	1/12/2001
FACILITY Long Description:	GC	**0000085322**	CLOSE	DUN NO-GAS CALL GCB 9A-N	1	11/21/2000	97320	12700	0.0	11/27/2000
FACILITY Long Description:	GC	**0000079725**	CLOSE	DUN NO-GAS CALL GCB 9A-N	1	11/6/2000	49112	12700	0.0	11/27/2000
FACILITY Long Description:	GC	**0000077658**	CLOSE	DUN NO-GAS CALL GCB 9A-N	1	10/23/2000	75444	12700	0.0	11/27/2000
FACILITY Long Description:	CMP	**0000076966**	CLOSE	0500-28 BKR SUMM/WINT INSP 9AN	1	10/12/2000	19093		0.8	10/13/2000

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MAXIMO REPORT: EQUIPMENT HISTORY

Station: DUNWOODIE NORTH 138 **Equipment: BKR-0004946** **DUN NO-CIRCUIT BREAKER-9AN *RETIRED***

RESP AREA	WORK TYPE	WORK NUMBER	STATUS	DESCRIPTION	PRTY	REPORT DATE	REPORTED BY	SUPV	HRS	ACTUAL FINISH
FACILITY Long Description:	GC	**0000076590**	CLOSE	DUN NO-GAS CALL GCB 9A-N	1	10/8/2000	16726	12700	0.0	10/19/2000
FACILITY Long Description:	CMP	**0000071919**	CLOSE	0500-02 DEW POINT TESTING -BKR 9A-N	9	9/5/2000	19093		0.0	11/1/2000
FACILITY Long Description:	CMP	**0000063893**	CLOSE	0500-02 DEW POINT TESTING -BKR 9A-N	9	6/12/2000	19093		0.0	7/17/2000
FACILITY Long Description:	GC	**0000058741**	CLOSE	DUN NO-GAS CALL GCB 9A-N	1	4/26/2000	19093	12700	0.0	4/21/2000
FACILITY Long Description:	GC	**0000052694**	CLOSE	DUN NO-GAS CALL GCB 9A-N	1	3/3/2000	19093	12700	0.0	2/25/2000
FACILITY Long Description:	GC	**0000051684**	CLOSE	DUN NO-GAS CALL GCB 9A-N	1	2/28/2000	19093	12700	0.0	3/6/2000
FACILITY Long Description:	GC	**0000049749**	CLOSE	DUN NO-GAS CALL GCB 9A-N	1	2/8/2000	19093	12700	0.0	2/20/2000
FACILITY Long Description:	CMP	**0000049653**	CLOSE	0500-02 CIRCUIT BREAKER - 9AN - DEW POINT TEST	9	2/7/2000	19093		0.0	6/7/2000
FACILITY Long Description:	CMP	**0000038651**	CLOSE	0500-28-CIR BKRS WINTERIZATION - 9AN	1	10/21/1999	19093	12700	0.0	11/30/1999
FACILITY Long Description:	GC	**0000025755**	CLOSE	BREAKER 9A-N GAS CALL ADDED 10 LBS	1	7/5/1999	19093	12700	0.0	7/4/1999
FACILITY Long Description:	CMP	**0000023806**	CLOSE	500-02 CIRCUIT BREAKER - 9AN - DEW POINT TEST	9	6/18/1999	19093	12700	1.0	6/17/1999
FACILITY Long Description:	GC	**0000022167**	CLOSE	DUN NO-GAS CALL GCB 9A-N	1	6/4/1999	19093	12700	65.0	12/24/2000

99 total work order(s) having 4028.5 hours.

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MAXIMO REPORT: EQUIPMENT HISTORY

Station: ASTORIA WEST **Equipment: BKR-0005395** **AST W-CIRCUIT BREAKER 1N**

RESP AREA	WORK TYPE	WORK NUMBER	STATUS	DESCRIPTION	PRTY	REPORT DATE	REPORTED BY	SUPV	HRS	ACTUAL FINISH
FACILITY Long Description:	GC	**0008072625**	CLOSE	GAS CALL BKR 1N	4	4/15/2008	88717	88717	0.0	4/15/2008
FACILITY Long Description:	GC	**0007721136**	CLOSE	GAS CALL BKR 1N	4	1/4/2008	56682	56682	0.0	1/4/2008
FACILITY Long Description:	GC	**0007638907**	CLOSE	GAS CALL BKR 1N	4	12/3/2007	56682	56682	0.0	12/3/2007
FACILITY Long Description:	GC	**0007571417**	CLOSE	GAS CALL BKR 1N	4	11/23/2007	17832	17832	0.0	11/23/2007
FACILITY Long Description:	GC	**0007398972**	CLOSE	GAS CALL BKR 1N	2	10/13/2007	86072	86072	0.0	10/13/2007
FACILITY Long Description:	CMP-0	**0007240531**	CLOSE	0500-17 ANNUAL COMPRESSOR BKR-1N	4	8/31/2007	MAXADMIN	28990	2.0	1/17/2008
FACILITY Long Description:	CMP	**0007231243**	CLOSE	0500-02 DEW POINT TESTING -BKR 1N	4	8/31/2007	MAXADMIN	28990	0.0	10/22/2007
FACILITY Long Description:	GC	**0006482018**	CLOSE	GAS CALL BKR 1N	2	1/22/2007	56682	56682	0.0	1/22/2007
FACILITY Long Description:	GC	**0006171657**	CLOSE	GAS CALL BKR 1N	2	10/25/2006	56682	56682	0.0	12/8/2006
FACILITY Long Description:	CMP	**0005993543**	CLOSE	0500-17 ANNUAL COMPRESSOR BKR-1N	2	8/31/2006	MAXADMIN	28990	0.0	7/7/2007
FACILITY Long Description:	GC	**0005930438**	CLOSE	GAS CALL BKR 1N	2	8/5/2006	14072	14072	0.0	8/5/2006
FACILITY Long Description:	CM	**0005767727**	CLOSE	ASTORIA WEST BKR 1N CT REPLACEMENT	3	6/27/2006	02886		127.0	6/28/2006
FACILITY Long Description:	GC	**0005739570**	CLOSE	GAS CALL BKR 1N	2	6/13/2006	56682	56682	0.0	6/13/2006
FACILITY Long Description:	GC	**0005513047**	CLOSE	GAS CALL BKR 1N	2	4/5/2006	56682	56682	0.0	4/5/2006

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MAXIMO REPORT: EQUIPMENT HISTORY

Station: ASTORIA WEST **Equipment: BKR-0005395** **AST W-CIRCUIT BREAKER 1N**

RESP AREA	WORK TYPE	WORK NUMBER	STATUS	DESCRIPTION	PRTY	REPORT DATE	REPORTED BY	SUPV	HRS	ACTUAL FINISH
FACILITY Long Description:	GC	**0005268625**	CLOSE	GAS CALL BKR 1N	2	2/9/2006	56682	56682	0.0	2/9/2006
FACILITY Long Description:	GC	**0005027076**	CLOSE	GAS CALL BKR 1N	2	12/8/2005	56682	56682	0.0	12/8/2005
FACILITY Long Description:	GC	**0000342144**	CLOSE	GAS CALL BKR 1N	2	9/28/2005	56682	56682	0.0	9/28/2005
FACILITY Long Description:	CM	**0000339351**	CLOSE	REPLACE CLOSING COIL AND TROUBLE SHOOT TRIP FEE OPERATIONS	4	9/24/2005	19201	19201	46.0	9/22/2006
FACILITY Long Description:	CMP	**0000334119**	CLOSE	0500-17 ANNUAL COMPRESSOR BKR-1N	2	8/25/2005	PMWOGEN	28990	2.0	8/30/2006
FACILITY Long Description:	GC	**0000333090**	CLOSE	GAS CALL BKR 1N	2	8/16/2005	56682	56682	0.0	8/16/2005
FACILITY Long Description:	GC	**0000314372**	CLOSE	GAS CALL BKR 1N	2	5/4/2005	56682	56682	0.0	5/4/2005
FACILITY Long Description:	GC	**0000309968**	CLOSE	GAS CALL BKR 1N	2	4/7/2005	56682	56682	0.0	4/19/2005
FACILITY Long Description:	GC	**0000275006**	CLOSE	GAS CALL BKR 1N	2	9/26/2004	49961	49961	0.0	9/26/2004
FACILITY Long Description:	CMP	**0000269244**	CLOSE	0500-17 ANNUAL COMPRESSOR BKR-1N	4	8/25/2004	PMWOGEN	28990	2.0	8/1/2005
FACILITY Long Description:	CMP	**0000221714**	CLOSE	0500-17 ANNUAL COMPRESSOR BKR-1N	4	9/2/2003	52741	28990	4.0	8/16/2004
FACILITY Long Description:	CMP	**0000173995**	CLOSE	0500-17 ANNUAL COMPRESSOR BKR-1N	2	9/3/2002	03710		4.0	9/30/2002
FACILITY Long Description:	DT	**0000153154**	CLOSE	BKR- 1N (DT)	2	3/14/2002	79255		88.0	4/10/2002
FACILITY Long Description:	CMP	**0000127534**	CLOSE	0500-17 ANNUAL COMPRESSOR BKR-1N	9	9/4/2001	03710		0.5	11/20/2001

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MAXIMO REPORT: EQUIPMENT HISTORY

Station: ASTORIA WEST **Equipment: BKR-0005395** **AST W-CIRCUIT BREAKER 1N**

RESP AREA	WORK TYPE	WORK NUMBER	STATUS	DESCRIPTION	PRTY	REPORT DATE	REPORTED BY	SUPV	HRS	ACTUAL FINISH
FACILITY Long Description:	GC	**0000091015**	CLOSE	AST W-GAS CALL GCB/PM 1-N	2	12/22/2000	03710		0.0	3/31/2003
FACILITY Long Description:	GC	**0000089593**	CLOSE	GAS CALL GCB/PM 1-N	1	12/21/2000	49881		0.0	12/22/2000
FACILITY Long Description:	CMP	**0000073296**	CLOSE	0500-17 ANNUAL COMPRESSOR BKR-1N	9	9/15/2000	03710		1.0	12/5/2000
FACILITY Long Description:	GC	**0000039430**	CLOSE	GAS CALL GCB/PM 1-N	1	10/29/1999	14091		0.0	12/22/2000
FACILITY Long Description:	DT	**0000012439**	CLOSE	BKR-0005395 GCB 1-N DIAGNOSTIC	1	2/23/1999	45769		136.0	4/9/1999
FACILITY Long Description:	DT	**0000006922**	CLOSE	AST WEST BKR 1N - DIAGNOSTIC TESTING	9	12/22/1998	74907		4.0	3/1/1999

34 total work order(s) having 416.5 hours.

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MAXIMO REPORT: EQUIPMENT HISTORY

Station: ASTORIA WEST **Equipment: BKR-0005396** **AST W-CIRCUIT BREAKER 1S *RETIRED****

RESP AREA	WORK TYPE	WORK NUMBER	STATUS	DESCRIPTION	PRTY	REPORT DATE	REPORTED BY	SUPV	HRS	ACTUAL FINISH
FACILITY Long Description:	CAP	**0008066381**	INPRG	BKR 1S REPLACEMENT - OPERATOR SUPPORT	3	4/11/2008	52741		137.5	
AUXSUP Long Description:	CAP	**0008056662**	CLOSE	AST W BKR 1-S- HIPOT	5	4/4/2008	49436	18917	37.0	4/12/2008
ENV Long Description:	DLPCB	**0007998822**	CLOSE	PCB WASTE FR PT'C SOMPARTMENT. BKR 1S	2	3/26/2008	15669		0.0	5/1/2008
ENV Long Description:	DLPCB	**0007998821**	CLOSE	PCB FROM PT'S COMPARTMENT. BKR 1S	2	3/26/2008	15669		0.0	5/1/2008
ENV Long Description:	DLPCB	**0007998819**	CLOSE	SOLID PCB WASTE FROM BKR 1S	2	3/26/2008	15669		0.0	5/1/2008
ENV Long Description:	DLPCB	**0007998412**	CLOSE	PCB FROM PT'S COMPARTMENT. BKR 1S	2	3/26/2008	15669		0.0	5/1/2008
ENV Long Description:	DLPCB	**0007998405**	CLOSE	PCB FROM BKR 1S	2	3/26/2008	15669		0.0	5/1/2008
CONST Long Description:	CAP	**0007988083**	CLOSE	REMOVAL OF 138KV BREAKER 1S - ASTORIA WEST S/S	5	3/18/2008	13990		60.0	4/3/2008
CONST Long Description:	CAP	**0007988039**	CLOSE	INSTALL 138KV BREAKER 1S - ASTORIA WEST S/S	5	3/18/2008	13990		0.0	4/30/2008
FACILITY Long Description:	DLPC	**0007985794**	CLOSE	LEAD PAINT CHIPS FROM BKR 1S	5	3/17/2008	15669		0.0	5/1/2008
PROTSYS Long Description:	CAP	**0007982345**	CLOSE	DISCREPANCIES - BKR 1S REPLACEMENT	5	3/14/2008	49736		92.0	5/2/2008
PROTSYS Long Description:	CAP	**0007982313**	CLOSE	BKR 1S RETIREMENT - PST	5	3/14/2008	49736		126.0	3/30/2008
PROTSYS Long Description:	CAP	**0007982287**	INPRG	BKR 1S REPLACEMENT - PST	5	3/14/2008	49736		409.0	
FACILITY Long Description:	CAP	**0007981879**	CLOSE	REPLACE BREAKER 1S - OPERATOR SUPPORT	3	3/14/2008	52741		350.5	4/11/2008

MAXIMO REPORT: EQUIPMENT HISTORY

Station: ASTORIA WEST **Equipment: BKR-0005396** **AST W-CIRCUIT BREAKER 1S *RETIRED****

RESP AREA	WORK TYPE	WORK NUMBER	STATUS	DESCRIPTION	PRTY	REPORT DATE	REPORTED BY	SUPV	HRS	ACTUAL FINISH
FACILITY Long Description:	CAP	**0007848698**	POUTG	REPLACE BREAKER 1S	5	2/4/2008	85180		0.0	
FACILITY Long Description:	GC	**0007642785**	CLOSE	GAS CALL BKR 1S	4	12/5/2007	88717	88717	0.0	12/5/2007
FACILITY Long Description:	GC	**0007603237**	CLOSE	GAS CALL BKR 1S	4	11/30/2007	56682	56682	0.0	11/30/2007
FACILITY Long Description:	CMP	**0007236676**	CLOSE	0500-17 ANNUAL COMPRESSOR BKR-1S	2	8/31/2007	MAXADMIN	28990	0.0	10/2/2007
FACILITY Long Description:	CMP	**0007231133**	CLOSE	0500-02 DEW POINT TESTING -BKR 1S	4	8/31/2007	MAXADMIN	28990	0.0	10/22/2007
FACILITY Long Description:	GC	**0006488570**	CLOSE	GAS CALL BKR 1S	2	1/25/2007	56682	56682	0.0	1/25/2007
FACILITY Long Description:	CM	**0006460231**	CLOSE	ASTORIA WEST - REPLACE B PHASE CT ON BKR 1S	5	1/13/2007	02886		41.5	1/14/2007
FACILITY Long Description:	GC	**0006365332**	CLOSE	GAS CALL BKR 1S	2	12/15/2006	56682	56682	0.0	12/15/2006
FACILITY Long Description:	GC	**0006171663**	CLOSE	GAS CALL BKR 1S	2	10/25/2006	56682	56682	0.0	10/25/2006
FACILITY Long Description:	CMP	**0005988498**	CLOSE	0500-17 ANNUAL COMPRESSOR BKR-1S	2	8/31/2006	MAXADMIN	28990	0.0	7/8/2007
FACILITY Long Description:	GC	**0000342757**	CLOSE	GAS CALL BKR 1S	2	10/4/2005	56682	56682	0.0	10/4/2005
FACILITY Long Description:	CMP	**0000334120**	CLOSE	0500-17 ANNUAL COMPRESSOR BKR-1S	2	8/25/2005	PMWOGEN	28990	2.0	8/30/2006
FACILITY Long Description:	CM	**0000324326**	CLOSE	BREAKER OPEN AUTO DUE TO LOSS OF AIR PRESS.	5	6/24/2005	08050	08050	4.0	4/5/2006

Redacted

Exhibit __ (SIIP-1)
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MAXIMO REPORT: EQUIPMENT HISTORY

Station: ASTORIA WEST **Equipment: BKR-0005396** **AST W-CIRCUIT BREAKER 1S *RETIRED****

RESP AREA	WORK TYPE	WORK NUMBER	STATUS	DESCRIPTION	PRTY	REPORT DATE	REPORTED BY	SUPV	HRS	ACTUAL FINISH
FACILITY Long Description:	CMP	**0000269245**	CLOSE	0500-17 ANNUAL COMPRESSOR BKR-1S	4	8/25/2004	PMWOGEN	28990	2.0	8/1/2005
FACILITY Long Description:	CMP	**0000221715**	CLOSE	0500-17 ANNUAL COMPRESSOR BKR-1S	4	9/2/2003	52741	28990	4.0	8/16/2004
FACILITY Long Description:	DT	**0000219222**	CLOSE	BKR- 1S (DT)	3	8/6/2003	47337	74907	64.0	5/17/2004
FACILITY Long Description:	CM	**0000201805**	CLOSE	REPLACE DEFECTIVE CT	5	3/26/2003	74907		24.0	4/10/2003
FACILITY Long Description:	CM	**0000201335**	CLOSE	AW BREAKER 1S ASSIST PST TO CLEAR CT PROBLEM	5	3/25/2003	74907		24.0	3/27/2003
FACILITY Long Description:	CMP	**0000173997**	CLOSE	0500-17 ANNUAL COMPRESSOR BKR-1S	2	9/3/2002	03710		12.0	9/30/2002
FACILITY Long Description:	CMP	**0000127471**	CLOSE	0500-17 ANNUAL COMPRESSOR BKR-1S	9	9/4/2001	03710		0.5	11/20/2001
FACILITY Long Description:	GC	**0000091016**	CLOSE	AST W-GAS CALL GCB/PM 1-S	2	12/22/2000	03710		0.0	3/31/2003
FACILITY Long Description:	CMP	**0000073295**	CLOSE	0500-17 ANNUAL COMPRESSOR BKR-1S	9	9/15/2000	03710		2.0	12/5/2000
FACILITY Long Description:	CM	**0000057498**	CLOSE	AST WEST - BREAKER 1S REPLACE POLE 1 CT	9	4/17/2000	74907		144.0	4/24/2000
FACILITY Long Description:	GC	**0000039429**	CLOSE	GAS CALL GCB/PM 1-S	1	10/29/1999	14091		0.0	12/22/2000

38 total work order(s) having 1536 hours.

Redacted

Exhibit __ (SIIP-1)
Page 685 of 896

MAXIMO REPORT: EQUIPMENT HISTORY

Station: LADENTOWN **Equipment: BKR-0030918** **LAD BKR 1-56-2**

RESP AREA	WORK TYPE	WORK NUMBER	STATUS	DESCRIPTION	PRTY	REPORT DATE	REPORTED BY	SUPV	HRS	ACTUAL FINISH
AUXSUP	HPOT	**0007985648**	CLOSE	LADENTOWN BKR 1-56-2 HIPOT AFTER OVERHAUL	5	3/17/2008	49436	49436	32.0	3/17/2008

Long Description: **DC Proof Test Data**

Location Of Test: Ladentown Equip. Bkr 1-56-2 Date: 1/17/2008 Starting Time:

Voltage Applied: 450 kv dc Duration of Test: 5 min's Station Set/Truck # V1 Performed By:

Test OK: Test Failed: Surged: End Time:

TEST DATA : All phases tied.

ELAPSED TIME	DC KILOVOLTS	MILLIAMPS	Remarks:
0 sec.	450	1.9	All phases tied as per test letter.
15 sec.	450	1.9	Set leakage =
30 sec.	450	1.9	
45 sec.	450	1.9	
1 min.	450	1.9	
2 min.	450	1.9	
3 min.	450	1.9	
4 min.	450	1.9	
5 min.	450	1.9	

FACILITY	CAP	**0007852713**	INPRG	LADENTOWN 1-56-2 - PROCUREMENT	5	2/7/2008	54992	54992	76.0	
Long Description:										
FACILITY	SUPT	**0000201179**	CLOSE	LADENTOWN BKR 1-56-2 - ASST O&R WITH BKR DT	3	3/21/2003	54992		36.0	6/27/2003
Long Description:										
OSS	OSS	**0000082061**	APPR	LAD-677-S-PM-FOR OUTAGE 1-56-2	1	11/16/2000	MAXIMO		0.0	2/16/2007
Long Description:										

4 total work order(s) having 144 hours.

Redacted

Exhibit __ (SIIP-1)
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Company Name: Con Edison
Case Description:
Case: 08-E-0539

Response to DPS Interrogatories – Set DPS8
Date of Response: 06/20/2008
Responding Witness: Infrastructure Investment Panel

Question No. :112.1
Subject: Storm Hardening and Response – ESCO Switch Replacement (Kyle) - Provide an itemized breakdown (beyond what is provided in the workpapers) of how the capital and O&M funding for each year was derived. Separate the information provided in the breakdown into two areas, Kyle switch installation and Kyle switch retro-fitting.

Response:
ESCO Switch Replacement (Kyle) is a capital program and has no associated O&M costs.

Capital $000	2009	2010	2011	2012
Retro-fitting				
Labor	16	16	16	16
M&S	32	32	32	32
A/P	1	1	1	1
Other	-	-	-	-
Indirects	6	6	6	6
Total	$ 55	$ 55	$ 55	$ 55

	2009	2010	2011	2012
Installs				
Labor	343	343	343	343
M&S	1,714	1,714	1,714	1,714
A/P	41	41	41	41
Other	2	2	2	2
Indirects	354	354	354	354
Total	$ 2,454	$ 2,454	$ 2,454	$ 2,454
	$ 2,509	*$ 2,509*	*$ 2,509*	*$ 2,509*

Company Name: Con Edison
Case Description:
Case: 08-E-0539

Response to DPS Interrogatories – Set DPS8
Date of Response: 06/19/2008
Responding Witness: Infrastructure Investment Panel

Question No. :112.2
Subject: Storm Hardening and Response – ESCO Switch Replacement (Kyle) - Provide the actual historical cost of this program broken down in the same manner as part 1 of this question.

Response:

Capital $000	2005	2006	2007
Labor	38	166	90
M&S	206	1,107	186
A/P	8	137	53
Other	5	1	36
Indirects	98	492	132
Total	**$ 355**	**$ 1,903**	**$ 497**

Company Name: Con Edison
Case Description:
Case: 08-E-0539

Response to DPS Interrogatories – Set DPS8
Date of Response: 06/19/2008
Responding Witness: Infrastructure Investment Panel

Question No. :112.3
Subject: Storm Hardening and Response – ESCO Switch Replacement (Kyle) - Why is there a need to install 39 switches annually? How was this number determined?

Response:
The number is based on completing the replacement of all of the remaining older switches by 2012.

Company Name: Con Edison
Case Description:
Case: 08-E-0539

Response to DPS Interrogatories – Set DPS8
Date of Response: 06/19/2008
Responding Witness: Infrastructure Investment Panel

Question No. :112.4
Subject: Storm Hardening and Response – ESCO Switch Replacement (Kyle) - How many Kyle switches will be retro-fitted per year? How was this number determined?

Response:
5 switches will be retro-fitted each year. The number is based on completing the retro-fit of all of the older Kyle switches by 2012.

Company Name: Con Edison
Case Description:
Case: 08-E-0539

Response to DPS Interrogatories – Set DPS8
Date of Response: 06/19/2008
Responding Witness: Infrastructure Investment Panel

Question No. :112.5
Subject: Storm Hardening and Response – ESCO Switch Replacement (Kyle) - What determines the order of replacement and retro-fitting of switches?

Response:
The order is determined by the SAIFI index on the feeder(s) and the number of customers it serves.

Company Name: Con Edison
Case Description:
Case: 08-E-0539

Response to DPS Interrogatories – Set DPS8
Date of Response: 06/19/2008
Responding Witness: Infrastructure Investment Panel

Question No. :112.6
Subject: Storm Hardening and Response – ESCO Switch Replacement (Kyle) - How many of the new Kyle switches were installed in 2007?

Response:
15 switches were installed in 2007.

Company Name: Con Edison
Case Description:
Case: 08-E-0539

Response to DPS Interrogatories – Set DPS8
Date of Response: 06/19/2008
Responding Witness: Infrastructure Investment Panel

Question No. :112.7
Subject: Storm Hardening and Response – ESCO Switch Replacement (Kyle) - How many of the older Kyle switches have been retro-fitted since the beginning of this program?

Response:
10 switches have been retro-fitted.

Company Name: Con Edison
Case Description:
Case: 08-E-0539

Response to DPS Interrogatories – Set DPS8
Date of Response: 06/19/2008
Responding Witness: Insfrastructure Investment Panel

Question No. :112.8
Subject: Storm Hardening and Response – ESCO Switch Replacement (Kyle) - What is the remaining amount of Kyle switches to be installed and amount to be retro-fitted?

Response:
There are 109 Kyle Switches that still need to be installed and 20 to be retrofitted.

Company Name: Con Edison
Case Description:
Case: 08-E-0539

Response to DPS Interrogatories – Set DPS8
Date of Response: 06/19/2008
Responding Witness: Insfrastructure Investment Panel

Question No. :112.9
Subject: Storm Hardening and Response – ESCO Switch Replacement (Kyle) - What is the current expected completion date of this program?

Response:

The current expected completion date of this program is 2012.

Company Name: Con Edison
Case Description:
Case: 08-E-0539

Response to DPS Interrogatories – Set DPS8
Date of Response: 06/19/2008
Responding Witness: Insfrastructure Investment Panel

Question No. :112.10
Subject: Storm Hardening and Response – ESCO Switch Replacement (Kyle) - What actions have been taken to ensure this is proceeding in a cost effective manner?

Response:

The company begins by planning the work, and inspecting the field ahead of time to avoid costly delays due to unexpected field conditions. Cost effectiveness is continued by efficiently planning jobs in conjunction with previously scheduled feeder work or by grouping projects together under the same scheduled feeder outage. This will result in the most efficient use of Con Edison manpower, and will minimize the exposure of the feeders minimizing potential outages. The Engineering Department will complete an engineering analysis to determine the most system and cost effective location and design to perform the work and will conduct field visits with other departments to review jobs before final design. Field supervisors will routinely monitor the completion times for the jobs as they relate to historical data and reasonable expectations to monitor their crews' productivity. When an outside contractor is needed, prior to start of project, competitive bidding will be used to obtain the contractor. Also, with the Overhead work practice of "job-based crewing," there will be no extra personnel on site. In addition, the financial analysis group will monitor the actual costs against the budget for each specific project/program and will compare the average work time and cost per unit against actual to evaluate discrepancies.

Company Name: Con Edison
Case Description:
Case: 08-E-0539

Response to DPS Interrogatories – Set DPS8
Date of Response: 06/19/2008
Responding Witness: Insfrastructure Investment Panel

Question No. :113
Subject: Storm Hardening and Response – 33 kV Interrupter Switches - 1. Provide the unit price and further breakdown of the O&M and capital annual forecasted funding for the entire program until 2020. Separate the information provided into the five subcategories under this project. 2. Is there any planned work for 2008 under this program? If so, what? If not, why? 3. What actions have been taken to ensure this is proceeding in a cost effective manner?

Response:

See attached response.

Company Name: Con Edison
Case Description:
Case: 08-E-0539

Response to DPS Interrogatories – Set DPS8
Date of Response: 06/19/2008
Responding Witness: Insfrastructure Investment Panel

Question No. :114
Subject: Storm Hardening and Response – Overhead Feeder Reliability - 1. Provide an itemized breakdown (beyond what is provided in the workpapers) of how the capital and O&M funding for each year was derived. 2. Provide the actual historical cost of this program broken down in the same manner as part 1 of this question. 3. What actions have been taken to ensure this is proceeding in a cost effective manner? 4. How many VRS has been replaced to-date under this program? 5. Subject: Storm Hardening and Response – Overhead Feeder Reliability - Will this program be completed in 2012 or 2013?

Response:

114.1 Provide an itemized breakdown (beyond what is provided in the workpapers) of how the capital and O&M funding for each year was derived.

$000	2009	2010	2011	2012
Labor	96	96	146	146
M&S	433	433	641	641
A/P	0	0	0	0
Other	0	0	0	0
Indirects	221	221	338	338
Total	**$ 750**	**$ 750**	**$ 1,125**	**$ 1,125**
VRS Units	**10**	**10**	**15**	**15**

This is a capital program and the above is the requested breakdown of costs.

114.2 Provide the actual historical cost of this program broken down in the same manner as part 1 of this question.

There is no cost history as this is a new program.

114.3 What actions have been taken to ensure this is proceeding in a cost effective manner?

The company begins by planning the work, and inspecting the field ahead of time to avoid costly delays due to unexpected field conditions. Cost effectiveness is continued by efficiently planning jobs in conjunction with previously scheduled feeder work or by grouping projects together under the same scheduled feeder outage. This will result in the most efficient use of Con Edison manpower, and will minimize the exposure of the feeders minimizing potential outages. The Engineering Department will complete an engineering analysis to determine the most system and cost effective location and design to perform the work and will conduct field visits with other departments to review jobs before final design. Field supervisors will routinely monitor the completion times for the jobs as they relate to historical data and reasonable expectations to monitor their crews' productivity. When an outside contractor is needed, prior to start of project, competitive bidding will be used to obtain the contractor. Also, with the Overhead work practice of "job-based crewing," there will be no extra personnel on site. In addition, the financial analysis group will monitor the actual costs against the budget for each specific project/program and will compare the average work time and cost per unit against actual to evaluate discrepancies.

114.4 How many VRS has been replaced to-date under this program?

None.

114.5 Will this program be completed in 2012 or 2013?

Program will be completed in 2013.

Company Name: Con Edison
Case Description:
Case: 08-E-0539

Response to DPS Interrogatories – Set DPS8
Date of Response: 06/20/2008
Responding Witness: Infrastructure Investment Panel

Question No. :118
Subject: Storm Hardening and Response – Accelerated C-Truss - 1. Provide the actual 5 year historical cost of this program broken down in the same manner as provided under Planning and Budgeting in the workpaper. 2. Provide justification on how the following values were determined: a. 7% rejection rate b. 1.1% pole replacement rate c. 71% for capital cost for pole replacement d. 29% for O&M cost for pole replacement. 3. What actions have been taken to ensure this is proceeding in a cost effective manner?

Response:

118.1

Capital $000	2005	2006	2007
Labor	62	82	60
M&S	64	379	62
A/P	-	72	313
Other	(4)	94	317
Indirects	55	94	219
Total	**$ 177**	**$ 721**	**$ 971**

In 2005, Electric Operations defined each of the annual System Reinforcement programs by assigning unique program identifiers for each region. Prior to 2005, System Reinforcement was split between "Over $100,000" and "Under $100,000" in each region, resulting in not readily identifiable cost units.

118.2

The 7% rejection rate is based on work performed by OSMOSE from 1992-2001.

During Inspection years 2003 and 2004, Brooklyn/Queens had about 5,500 poles inspected each year based off of the Brooklyn/Queens pole population of about 66,000 poles. From the two years worth of inspections, 169 Osmose related pole replacement jobs were issued. 169/11,000 =1.5%

During 2005, contractors began replacing the OSMOSE poles identified during 2003 and 2004. A price per pole was established based on 4 major pole types (guy pole, secondary pole, primary pole or junction pole). With each pole replacement type, we defined a scope of work, total required man hours, and a breakdown of functions by capital and maintenance. For the worst case scenario, a junction pole was comprised of 29% maintenance (4.5hrs for transferring primary (10%), 3hrs for transferring Services (7%), and 5.63 hrs for transferring secondary (12%), for a total of 13.13 hours of the 45 total man-hours estimated for the job).

118.3

The contract prices charged by the contractors were derived from a competitive bid process, followed by additional negotiations between the low contract bidder and the company. The Company then conducts a re-inspection of poles identified as "reject" poles by ConEd employees. The re-inspection provides checks and balances against the contactor, as well as allows the company to determine the best course of action for the pole location. Specifically, the ConEd employee will look beyond just the condition of the pole, and will take into consideration future planned system improvements and/or changes, before releasing the pole location for C-trussing.

Company Name: Con Edison
Case Description:
Case: 08-E-0539

Response to DPS Interrogatories – Set DPS8
Date of Response: 06/19/2008
Responding Witness: Infrastructure Investment Panel

Question No. :119
Subject: Storm Hardening and Response – Anderson Switch Replacement - 1. Provide the actual historical cost of this program broken down in the same manner as provided under Planning and Budgeting in the workpaper. 2. Provide justification on how it was derived that 14 equipments should be replaced per year. 3. What determines the order of replacement of these switches? 4. What actions have been taken to ensure this is proceeding in a cost effective manner?

Response:

1. The table below provides historical data 2005-07; 2008 Budget, and Rate Case Request:

Anderson / Oil Switches Program

	2005	2006	2007	2008 Budget	2009	2010	2011	2012	Total
Labor	$0	$0	$0	$36	$36	$36	$36	$36	
M&S	$0	$0	$0	$21	$21	$21	$21	$21	
A/P	$0	$0	$0	$12	$12	$12	$12	$12	
Other	$0	$0	$0	$1	$1	$1	$1	$1	
Indirect	$0	$0	$0	$30	$30	$30	$30	$30	
TOTAL	$0	$0	$0	$100	$100	$100	$100	$100	$500
Anderson Switches Replaced:		4	3	14	14	14	14	14	77

In 2006 and 2007, Anderson / Oil Switches replacements were driven by non-Program related inspections; burnouts; etc. and the dollars for these replacements were not charged to the Anderson Switch Replacement program.

2. Since we have an estimated 70 remaining oil switches on the BQ system (estimates to be firmed up after a physical switch inspection), the plan is to replace them over a 5 year period to balance funding and reliability concerns.

3. If the switch needs to be operated due to operational needs, the field people will initiate the replacement of this switch. Otherwise, we will go for the feeders with the largest number of customers and highest failure rate.

4. The company begins by planning the work, and inspecting the field ahead of time to avoid costly delays due to unexpected field conditions. Cost effectiveness is continued by efficiently planning jobs in conjunction with previously scheduled feeder work or by grouping projects together under the same scheduled feeder outage. This will result in the most efficient use of Con Edison manpower, and will minimize the exposure of the feeders minimizing potential outages. The Engineering Department will complete an engineering analysis to determine the most system and cost effective location and design to perform the work and will usually conduct field visits to review jobs before final design when scheduling allows. Field supervisors will routinely monitor the completion times for the jobs as they relate to historical data and reasonable expectations to monitor their crews' productivity. When an outside contractor is needed, prior to start of project, competitive bidding will be used to obtain the contractor. Also, with the Overhead work practice of "job-based crewing," there will be no extra personnel on site. In addition, the financial analysis group will monitor the average work time and cost per unit against actual to evaluate discrepancies.

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Company Name: Con Edison
Case Description:
Case: 08-E-0539

Response to DPS Interrogatories – Set DPS8
Date of Response: 06/19/2008
Responding Witness: Infrastructure Investment Panel

Question No. :120
Subject: Storm Hardening and Response – 3 Phase Gang Switch Replacement - 1. Provide an itemized breakdown (beyond what is provided in the workpapers) of how the capital and O&M funding for each rate year was derived. 2. Provide the actual 5 year historical cost of this program broken down in the same manner as provided in part 1 of this question. 3. What actions have been taken to ensure this is proceeding in a cost effective manner?

Response:

120.1 Provide an itemized breakdown (beyond what is provided in the workpapers) of how the capital and O&M funding for each year was derived

CAPITAL	2009	2010	2011	2012
Labor	114	114	114	117
M&S	162	162	162	165
A/P	-	-	-	-
Other	-	-	-	-
Indirects	124	124	124	126
Total	$ 400	$ 400	$ 400	$ 408
Gang Switches	19	19	19	19

This is a capital program.

120.2 Provide the actual 5 year historical cost of this program broken down in the same manner as provided in part 1 of this question.

There is no cost history as this is a new program.

120.3 What actions have been taken to ensure this is proceeding in a cost effective manner?

The company begins by planning the work, and inspecting the field ahead of time to avoid costly delays due to unexpected field conditions. Cost effectiveness is continued by efficiently

planning jobs in conjunction with previously scheduled feeder work or by grouping projects together under the same scheduled feeder outage. This will result in the most efficient use of Con Edison manpower, and will minimize the exposure of the feeders minimizing potential outages. The Engineering Department will complete an engineering analysis to determine the most system and cost effective location and design to perform the work and will conduct field visits with other departments to review jobs before final design. Field supervisors will routinely monitor the completion times for the jobs as they relate to historical data and reasonable expectations to monitor their crews' productivity. When an outside contractor is needed, prior to start of project, competitive bidding will be used to obtain the contractor. Also, with the Overhead work practice of "job-based crewing," there will be no extra personnel on site. In addition, the financial analysis group will monitor the actual costs against the budget for each specific project/program and will compare the average work time and cost per unit against actual to evaluate discrepancies.

Company Name: Con Edison
Case Description:
Case: 08-E-0539

Response to DPS Interrogatories – Set DPS8
Date of Response: 06/19/2008
Responding Witness: Infrastructure Investment Panel

Question No. :124.1
Subject: Storm Hardening and Response – 4 kV UG Reliability - Under Planning and Budget section of work paper, what is the unit measurement (trench feet, linear feet, sections, etc.) for rubber cable, feeder cable, and conduit?

Response:

1. The unit of measure for this program is an underground primary section. Based on a previously developed engineering study, it is estimated that approximately 30 trench feet of conduit is required for each section replaced (one 200 foot section (structure to structure) for each 6.5 primary sections replaced).

Company Name: Con Edison
Case Description:
Case: 08-E-0539

Response to DPS Interrogatories – Set DPS8
Date of Response: 06/19/2008
Responding Witness: Infrastructure Investment Panel

Question No. :124.2
Subject: Storm Hardening and Response – 4 kV UG Reliability - As provided in the Planning and Budget section of the work paper, provide an itemized breakdown of how $1.111 million of funding was derived?

Response:

2,3. The table below provides historical data 2005-07; 2008 Budget, and Rate Case Request:

4 kV Underground Reliablity Program

	2005	2006	2007	2008 Budget	2009	2010	2011	2012	Total
Labor	$0	$0	$0	$0	$175	$175	$175	$175	
M&S	$0	$0	$0	$0	$412	$412	$412	$412	
A/P	$0	$0	$0	$0	$215	$215	$215	$215	
Other	$0	$0	$0	$0	$1	$1	$1	$1	
Indirect	$0	$0	$0	$0	$308	$308	$308	$308	
TOTAL	$0	$0	$0	$0	$1,111	$1,111	$1,111	$1,111	$4,444

Primary 4kV Sections Replaced				45	45	45	45	
Conduit - Trench Feet				1,350	1,350	1,350	1,350	
Primary Section Unit Cost (based on 2007 Actual Cost)				$18,048 / Primary Section				
Conduit - Trench Feet Unit Cost (based on 2007 Actual Cost)				$223 / Trench Foot				

This is a new program. Any 4 kv sections currently replaced are done as part of a repair and not categorized separately.

Company Name: Con Edison
Case Description:
Case: 08-E-0539

Response to DPS Interrogatories – Set DPS8
Date of Response: 06/19/2008
Responding Witness: Infrastructure Investment Panel

Question No. :124.3
Subject: Storm Hardening and Response – 4 kV UG Reliability - Provide the actual historical cost of this program broken down in the same manner as part 2 of this question.

Response:

Please refer to Staff 124.2.

Company Name: Con Edison
Case Description:
Case: 08-E-0539

Response to DPS Interrogatories – Set DPS8
Date of Response: 06/19/2008
Responding Witness: Infrastructure Investment Panel

Question No. :124.4
Subject: Storm Hardening and Response – 4 kV UG Reliability - Provide justification on why the quantity of cable and conduit work is needed per year.

Response:

The target population of spec# 427/450, an underperforming feeder cable, is 3,100 sections. These sections are planned to be addressed evenly over the next 70 years (45 sections + 1,350 trench feet per year) to balance funding and reliability concerns.

Company Name: Con Edison
Case Description:
Case: 08-E-0539

Response to DPS Interrogatories – Set DPS8
Date of Response: 06/19/2008
Responding Witness: Infrastructure Investment Panel

Question No. :124.5
Subject: Storm Hardening and Response – 4 kV UG Reliability - How was the estimated completion date of 2080 determined?

Response:

See response for 124.4.

Company Name: Con Edison
Case Description:
Case: 08-E-0539

Response to DPS Interrogatories – Set DPS8
Date of Response: 06/19/2008
Responding Witness: Infrastructure Investment Panel

Question No. :124.6
Subject: Storm Hardening and Response – 4 kV UG Reliability - What determines the order of replacement of these cables?

Response:

The order has been set primarily based on the average customer interruption rate. The feeders with higher failure rate and higher customer interruption rates have higher priority.

Company Name: Con Edison
Case Description:
Case: 08-E-0539

Response to DPS Interrogatories – Set DPS8
Date of Response: 06/19/2008
Responding Witness: Infrastructure Investment Panel

Question No. :124.7
Subject: Storm Hardening and Response – 4 kV UG Reliability - What determines the location of the newly installed conduits?

Response:

The location of newly installed conduit is dictated by field conditions. Some existing conduit maybe obstructed and can't be used to install the new cable. Therefore, new conduit has to be installed to allow for the replacement of the old cable.

Company Name: Con Edison
Case Description:
Case: 08-E-0539

Response to DPS Interrogatories – Set DPS8
Date of Response: 06/19/2008
Responding Witness: Infrastructure Investment Panel

Question No. :124.8
Subject: Storm Hardening and Response – 4 kV UG Reliability - What actions have been taken to ensure this is proceeding in a cost effective manner?

Response:

To ensure that work proceeds in a cost effective manner, the company begins by planning the work, and inspecting the field ahead of time to avoid costly delays due to unexpected field conditions. Cost effectiveness is continued by efficiently planning jobs in conjunction with previously scheduled feeder work or by grouping projects together under the same scheduled feeder outage. This will result in the most efficient use of Con Edison manpower, and will minimize the exposure of the feeders minimizing potential outages. The Engineering Department will complete an engineering analysis to determine the most system and cost effective location and design to perform the work and conduct field visits to review jobs before final design when scheduling allows. Field supervisors will routinely monitor the completion times for the jobs as they relate to historical data and reasonable expectations to monitor their crews' productivity. When an outside contractor is needed, prior to start of project, competitive bidding will be used to obtain the contractor. Also, with the Overhead work practice of "job-based crewing," there will be no extra personnel on site. In addition, the financial analysis group will monitor the average work time and cost per unit against actual to evaluate discrepancies.

Company Name: Con Edison
Case Description:
Case: 08-E-0539

Response to DPS Interrogatories – Set DPS9
Date of Response: 06/20/2008
Responding Witness: Infrastructure Investment Panel

Question No. :132
Subject: Storm Hardening and Response – Aerial (Okonite) Cable Replacement - 1. Provide an itemized breakdown (more detailed than what is provided in the work papers) of how the capital and O&M funding for each rate year was derived. 2. Provide the actual historical cost of this program, broken down in the same manner as part 1 of this question. 3. Provide justification on how it was derived that 141 spans of aerial cable should be replaced per year. 4. What are the improved benefits of using Con Edison standard aerial copper cable over cables that will be replaced? 5. What actions have been taken to ensure this is proceeding in a cost effective manner?

Response:

1. Provide an itemized breakdown (more detailed than what is provided in the work papers) of how the capital and O&M funding for each rate year was derived.

Capital $000	2009	2010	2011	2012
Labor	641	641	641	642
M&S	1,009	1,013	1,018	1,020
A/P	252	256	260	262
Other	528	528	528	528
Indirects	91	94	97	98
Total	**$ 2,521**	**$ 2,532**	**$ 2,544**	**$ 2,550**

2. Provide the actual historical cost of this program, broken down in the same manner as part 1 of this question.

Capital $000	2005	2006	2007
Labor	12	210	9
M&S	186	196	14
A/P	27	387	8
Other	29	(187)	(2)
Indirects	91	219	9
Total	**$ 345**	**$ 825**	**$ 38**

3. Provide justification on how it was derived that 141 spans of aerial cable should be replaced per year.

The 141 spans should really be 201. The breakdown is as follows:
Brooklyn-Queens – 27 spans
Bronx-Westchester – 114 spans
Staten Island – 60 spans

4. What are the improved benefits of using Con Edison standard aerial copper cable over cables that will be replaced?

By replacing the Okonite Aerial Cable on our system, we are eliminating a cable which has been identified to be troublesome. The outer jacket on this cable has become porous over the years causing the cable to absorb water. When a failure occurs, it becomes necessary to replace large amounts of this cable, sometimes as much as 3,000 to 5,000 feet of cable, just to find dry cable to splice into thereby increasing repair costs and longer feeder outages.

5. What actions have been taken to ensure this is proceeding in a cost effective manner?

The company begins by planning the work, and inspecting the field ahead of time to avoid costly delays due to unexpected field conditions. Cost effectiveness is continued by efficiently planning jobs in conjunction with previously scheduled feeder work or by grouping projects together under the same scheduled feeder outage. This will result in the most efficient use of Con Edison manpower, and will minimize the exposure of the feeders minimizing potential outages. The Engineering Department will complete an engineering analysis to determine the most system and cost effective location and design to perform the work and will conduct field visits with other departments to review jobs before final design. Field supervisors will routinely monitor the completion times for the jobs as they relate to historical data and reasonable expectations to monitor their crews' productivity. When an outside contractor is needed, prior to start of project, competitive bidding will be used to obtain the contractor. Also, with the

Overhead work practice of "job-based crewing," there will be no extra personnel on site. In addition, the financial analysis group will monitor the actual costs against the budget for each specific project/program and will compare the average work time and cost per unit against actual to evaluate discrepancies.

Company Name: Con Edison
Case Description:
Case: 08-E-0539

Response to DPS Interrogatories – Set DPS9
Date of Response: 06/20/2008
Responding Witness: Infrastructure Investment Panel

Question No. :133.1
Subject: Storm Hardening and Response – #4, #6 Self Supporting Wire - Provide an itemized breakdown $1510 per span was derived.

Response:

Labor	504
MS	400
AP	173
Other	8
Ind	425
	$ 1,510

Company Name: Con Edison
Case Description:
Case: 08-E-0539

Response to DPS Interrogatories – Set DPS9
Date of Response: 06/26/2008
Responding Witness: Infrastructure Investment Panel

Question No. :133.2
Subject: Storm Hardening and Response – #4, #6 Self Supporting Wire - Provide the actual annual historical cost per span under this program, broken down in the same manner as part 1 of this question with the number of spans installed.

Response:

Unit Cost	**2005**	**2006**	**2007**
Labor	143	765	206
MS	143	255	121
AP	417	364	558
Other	248	(91)	12
Ind	352	528	315
	$ 1,305	**$ 1,821**	**$ 1,212**

The increase in 2006 was driven by one particular job and a high level of field training associated with it.

Company Name: Con Edison
Case Description:
Case: 08-E-0539

Response to DPS Interrogatories – Set DPS9
Date of Response: 06/20/2008
Responding Witness: Infrastructure Investment Panel

Question No. :133.3
Subject: Storm Hardening and Response – #4, #6 Self Supporting Wire - How was it determined that 4.782 million feet of wires is deteriorated? What defines a deteriorated wire?

Response:

4.782 million feet is the estimated amount of #4 and #6 wire and Self Supporting Cable that exists on the overhead primary system. All of this wire and cable, and the associated overhead system on which it is used, is all about the same age and same overall condition. When we refer to this wire and cable being deteriorated, we are referring not just to the wire and cable itself but also to the wire and cable, the poles, cross arms, insulators, etc. which are also in poor condition. We have found this to be the case based upon inspections and when having to respond to interruptions involving this wire and cable. In the case of #4 and #6 wire, examples of the types of conditions that we have found include missing or severely dried out and cracked insulation, which results in customer interruptions from contact with trees and animals. Due to many years of heavy load current conditions, there is excessive sagging of the wire which can result in contact between the phase conductors during windy conditions. With the Self Supporting Cable, the three phase conductors are wrapped together. Over the years, the insulation has also dried out and cracked. During rain, water can seep into the cracks in the insulation and result in arcing and a subsequent cable failure. In addition, whenever work is done on this cable, for safety reasons it is necessary to de-energize the cable thereby subjecting customers to service interruptions. Since this cable is generally located on the main run of our feeders, these problems can result in large numbers of customers being interrupted.

Company Name: Con Edison
Case Description:
Case: 08-E-0539

Response to DPS Interrogatories – Set DPS9
Date of Response: 06/20/2008
Responding Witness: Infrastructure Investment Panel

Question No. :133.4
Subject: Storm Hardening and Response – #4, #6 Self Supporting Wire - One span is equivalent to how many feet?

Response:

One span is equivalent to approximately 100 feet.

Company Name: Con Edison
Case Description:
Case: 08-E-0539

Response to DPS Interrogatories – Set DPS9
Date of Response: 06/20/2008
Responding Witness: Infrastructure Investment Panel

Question No. :133.5
Subject: Storm Hardening and Response – #4, #6 Self Supporting Wire - Why has the estimated completion date been extended to 2028 from 2025?

Response:

The time frame of the program was extended since the Company did not complete as many units as originally planned due to redirection of resources to higher priority projects and programs.

Company Name: Con Edison
Case Description:
Case: 08-E-0539

Response to DPS Interrogatories – Set DPS9
Date of Response: 06/24/2008
Responding Witness: Infrastructure Investment Panel

Question No. :133.6
Subject: Storm Hardening and Response – #4, #6 Self Supporting Wire - What actions have been taken to ensure this is proceeding in a cost effective manner?

Response:

The company begins by planning the work, and inspecting the field ahead of time to avoid costly delays due to unexpected field conditions. Cost effectiveness is continued by efficiently planning jobs in conjunction with previously scheduled feeder work or by grouping projects together under the same scheduled feeder outage. This will result in the most efficient use of Con Edison manpower, and will minimize the exposure of the feeders minimizing potential outages. The Engineering Department will complete an engineering analysis to determine the most system and cost effective location and design to perform the work and will conduct field visits with other departments to review jobs before final design. Field supervisors will routinely monitor the completion times for the jobs as they relate to historical data and reasonable expectations to monitor their crews' productivity. When an outside contractor is needed, prior to start of project, competitive bidding will be used to obtain the contractor. Also, with the Overhead work practice of "job-based crewing," there will be no extra personnel on site. In addition, the financial analysis group will monitor the actual costs against the budget for each specific project/program and will compare the average work time and cost per unit against actual to evaluate discrepancies.

Company Name: Con Edison
Case Description:
Case: 08-E-0539

Response to DPS Interrogatories – Set DPS10
Date of Response: 06/24/2008
Responding Witness: Infrastructure Investment Panel/Mike Forte

Question No. :135.1
Subject: System/Transmission and Generator Interconnection - 1. NYPA announced on April 29, 2008 that it awarded Astoria Energy LLC a contract to build a new, natural gas-fueled, 500 MW generating plant in Queens that will help make up for the Power Authority's scheduled retirement in January 2010 of the Charles Poletti Power generating station. (http://www.nypa.gov/press/2008/080429d.htm) A. Since the announcement, have there been any discussions with NYPA regarding interconnection points? If yes, have there been any conclusions or agreements reached? If no, does the Company have a preferred interconnection point? B. What capital expenditures and specific projects in the Company's filed case would be eliminated if NYPA were to connect its new generator to the same 345 kV bus currently used by the retiring Poletti unit?

Response:

1A) The discussions with NYPA regarding the point of interconnection are continuing. The Company's preference for the Point of Interconnection is one that ensures the full output and deliverability of the unit.

1B) The Company's filed case Exhibits Volume 2, tab 55, page 17 describes the Substation Operations - 2009 Capital Project for the Generation Interconnection that will require a PAR at Astoria and a Series Reactor at Corona. The justification for these state:

"These facilities (PAR and Series Reactor) will allow the operation of the second 500 MW SCS generating unit planned to be installed and connected to the Astoria East Substation without causing any overduty problems on circuit breakers."

Should SCS and/or NYPA make the election to connect the SCS generating unit to the same 345 kV bus currently be used by the retiring Poletti 1 unit, the Astoria PAR and Corona Series Reactor may still be required for the next Project seeking to interconnect to the Astoria East 138 kV bus.

Company Name: Con Edison
Case Description:
Case: 08-E-0539

Response to DPS Interrogatories – Set DPS10
Date of Response: 06/25/2008
Responding Witness: Infrastructure Investment Panel/Ed Conway

Question No. :135.2
2. For a number of the transmission-level feeder projects, the Company is proposing the installation of solid dielectric cable. C. How long has the Company used this type of cable in its system? D. Provide failure/performance statistics and compare it with the cable types it is replacing. E. Provide the name(s) of the cable manufacturers used by the company and the rationale for its selection(s). F. What average service life does the manufacturer claim for its products? In its experience, has the Company found the claims to be justified? G. Provide an historic (since 2002) cost per-unit for the various cables used. H. Is there, at this time, a 345 kV solid dielectric cable available that could replace the company's high pressure, oil-cooled 345 kV cables? If yes, does the Company have any experience in its use? If no, does the company have any plans or R&D projects to test its use in this application?

Response:

C. 138kV solid dielectric cables have been used on the Con Edison transmission system since 1988 for a total of twenty years of usage. These systems installed were typically within substation property, were short in length and could be installed without any joints in the route (pothead to pothead).
D. Con Edison maintains a record of failures but does not have any performance statistics. Excluding startup test failures, there have been a total of twelve in service failures on solid dielectric cables. Of these, eleven failures occurred on a pair of companion feeders with known design deficiencies. The solid dielectric cabling of one of the two feeders has since been replaced with high pressure gas filled pipe type cabling and has not suffered any failures since replacement. The performance of solid dielectric cables in comparison to pipe type cables cannot be evaluated at this time as most of the solid dielectric cables have been in service for a very limited time. As noted above, the cables installed in 1988 were typically within substation property, were short in length and could be installed without any joints in the route (pothead to pothead)
E. Cable manufacturers are required to meet Con Edison purchase specifications in accordance with Con Edison s.pecification, CE-TS-4185, which details industry standard requirements as well as additional more rigorous Con Edison requirements. Approved vendors are major suppliers of high voltage cable systems with demonstrated engineering, manufacturing and supply ability. Solid dielectric cable systems have been purchased from the following companies:

a. Prysmian (formerly Pirelli)
b. Silec (presently General Cable)
c. Prysmian (formerly Nokia)
d. Nexans (formerly Alcatel Canada Wire)
e. J-Power
f. Kerite

F. Transmission cables are required by industry specifications to be designed for a forty year service life. At this time, we have no reason to believe that a forty year service life will not be achieved for solid dielectric cables.

G. Cable costs are dependent upon conductor size, cable construction and quantity. Additionally, prices include adjustments for the varying cost of metals at the time of delivery. Historical cost per foot of purchased cable is provided in attached file "Project Cable Costs 2003-2008."

H. 345 kV solid dielectric cables are available that can replace Con Edison's 345 kV high pressure oil cooled cables. Application of solid dielectric cables at 345 kV for transmission service is just beginning in the US and there is very limited experience. As solid dielectric cables do not have the same current carrying capabilities of equivalent size HPFF cables, replacement of Con Edison's 345 kV cables would require much larger conductors and possibly even two or more conductors per phase. The duct bank for these cables would also be very large with three to six eight inch minimum diameter ducts required. Con Edison has undertaken an R&D project to develop a water cooled solid dielectric cable in pipe to obtain equivalent capacity of our existing HPFF cables. This project is ongoing.

6/25/2008

Project Cable Costs

	Project	Cable Type	Manufacturer	Conductor Size (kcmil)	PO Date	Cost/ft
1	38W51, 52, 53 (Eastview - Grasslands)	138 kV Solid Dielectric	Prysmian	1500	11/3/2003	$22.62
2	38B15 (Bensonhurst - Greenwood)	138 kV Solid Dielectric	Prysmian	2500	8/2/2004	$38.45
3	38X26, 27, 28, 29 (Mott Haven - Mott Haven)	138 kV Solid Dielectric	J-Power	1500	12/15/2004	$58.56
4	38W09T (Cedar St - Washington St)	138 kV Solid Dielectric	Prysmian	1500	4/10/2006	$39.85
5	38M53,54 (Cherry St - E13th St)	138 kV Solid Dielectric	Prysmian	2500	8/30/2006	$70.15
6	Astor Substation (W49th- Astor)	138 kV High Pressure Fluid Filled	Okonite	3000	1/31/2007	$71.95
7	Rockview Substation (Dunwoodie - Rockview)	138 kV Solid Dielectric	Prysmian	1500	2/15/2007	$55.35
8	Parkview Substation (Mott Haven - Parkview)	138 kV Solid Dielectric	Prysmian	3000	6/6/2007	$89.94
9	Parkview Substation (Mott Haven - Parkview)	138 kV Solid Dielectric	J Power	3000	7/3/2007	$104.85
10	Newtown Substation	138 kV High Pressure Fluid Filled	Okonite	2500	8/1/2007	$69.12
11	Newtown Substation	138 kV High Pressure Gas Filled	Okonite	2500	8/1/2007	$67.56
12	M29 (Sprainbrook- Academy)	345 kV High Pressure Fluid Filled	Okonite	2500	9/27/2007	$88.48
13	38R57 (Woodrow - Fresh Kills)	138 kV Solid Dielectric	J Power	2000	1/11/2008	$93.27
14	38R57 (Woodrow - Fresh Kills)	138 kV Solid Dielectric	J Power	1500	1/11/2008	$78.64

STAFF IR DPS-136

REDACTED

(51 pages)

STAFF IR DPS-165

REDACTED

(18 pages)

Company Name: Con Edison
Case Description:
Case: 08-E-0539

Response to DPS Interrogatories – Set DPS13
Date of Response: 06/27/2008
Responding Witness: Infrastructure Investment Panel

Question No. :194
Subject: Electric Operations – Underground Secondary Reliability - 1. Provide a breakdown of the underground secondary reliability work similar to the table in IIP-15, page 18 for 2007 and 2008 to date. 2. Explain the reason(s) for any variation in the number of installations and purchase cost of the equipment compared to the previous two years.

Response:

1.

	2005	2006	2007	2008 to May 31
Cable Sections	2271	1612	2473	374
Obstructed Sections	207	341	651	171
Structure Conductor Upgrades	97	201	438	106
S/B Vented Covers	N/A	N/A	N/A	1951

2. In 2007, the material and labor cost for a secondary cable section increased to $13,900/section from $10,000/section in 2006 as a result of increases in the cost of materials, overhead expense, and contractor resources. In 2007, the material and labor cost for an obstructed secondary cable increased from $13,600 to $16,700 for the same reasons.

The decrease in cable section installations in 2006 reflects the reallocation of labor resources to Long Island City network.

The service box cover vented cover replacement program did not commence until 2008.

Company Name: Con Edison
Case Description:
Case: 08-E-0539

Response to DPS Interrogatories – Set DPS13
Date of Response: 07/01/2008
Responding Witness: Infrastructure Investment Panel

Question No. :197
Subject: Electric Operations – Network Reliability - 1. How many feeders have been de-bifurcated in 2008 to date? What was the cost for each work component? 2. Provide a list of specific locations where these feeders were de-bifurcated? 3. Explain the reason(s) for any variation in the number of installations and purchase cost of the equipment compared to the previous two years.

Response:

1. How many feeders have been de-bifurcated in 2008 to date? What was the cost for each work component?

Bronx-Westchester:

Five feeders were de-bifurcated in 2008 year to date as follows:

Feeder 10W86 - $59,833
Feeder 15W07 - $86,789
Feeder 10W83 - $10,020
Feeder 15W10 - $4, 332
Feeder 10W85 - $5, 460

Brooklyn-Queens:

No feeders were de-bifurcated in 2008.

Manhattan:

Three feeders were de-bifurcated in 2008 as follows:

Feeder 11M54 - $19,574
Feeder 17M95 - $39,148
Feeder 29M61 - $19,574

Staten Island:

No feeders were de-bifurcated in 2008.

197.2 Provide a list of specific locations where these feeders were de-bifurcated?

Bronx-Westchester:

Feeder	Location
10W86	Break splice in M-7127, Fullerton Ave.
15W07	Granite Hill Substation
10W83	Granite Hill Substation
15W10	Granite Hill Substation
10W85	Granite Hill Substation

Manhattan:

Feeder	Location
11M54	West 65th Street No.1
17M95	West 109th Street and Amsterdam Ave.
29M61	East 40th Street No.2

Staten Island:
No feeder de-bifurcations in 2008

197.3 Explain the reason(s) for any variation in the number of installations and purchase cost of the equipment compared to the previous two years.

Before 2008, the Company generally performed feeder de-bifurcations in conjunction with network load transfers. In 2008, the Company will continue to use feeder de-bifurcation for load transfers and will also use feeder de-bifurcation as part of a program

to reduce the Network reliability Index (NRI) as per EO-2152 of the worst performing networks.

Bronx-Westchester

The de-bifurcations completed in 2008 were part of a load transfer between the Granite Hill and the new Rockview Substation and feeder rearrangement associated with the load transfer. There were four de-bifurcations in 2007 in this Bronx-Westchester, three due to the Mott Haven substation coming on line and one in the Buchanan area.

Brooklyn-Queens

No feeders have been de-bifurcated in 2008 to date. Two feeders were de-bifurcated in 2007 to reinforce the Long Island City network.

Manhattan

Manhattan began a de-bifurcation program in 2008 as part of the program to lower Network Reliability Index (NRI) values in selected networks. No feeders were de-bifurcated in 2007.

Company Name: Con Edison
Case Description:
Case: 08-E-0539

Response to DPS Interrogatories – Set DPS13
Date of Response: 07/01/2008
Responding Witness: Infrastructure Investment Panel

Question No. :198
Subject: Electric Operations – ED2 - Transformer Purchase - 1. Provide the spending level for transformer/network protector purchased and other equipment installed for 2007 and 2008 to date. List the information in the same format as the tables in exhibit IIP-15, page 26. 2. Provide the method and analysis used to project the requirements as forecasted by each Region and Energy Services. 3. Explain the reason(s) for any variation in the number of installations and purchase cost of the equipment compared to the previous two years.

Response:

DPS 198.1

Spending levels for 2007 and 2008 YTD in same format as Exhibit IIP-15.

2008 Electrical Distribution Equipment Installations

YTD thru June 19,2008

BROOKLYN/QUEENS	Network Protectors		UG Transformers		Other (OH, URD, Etc.)		Totals	
	Units	$$	Units	$$	Units	$$	Units	$$
EMERGENCY / SYSTEM RELIABILITY	341	$7,718,528	327	$12,491,411	72	$470,822	740	$20,680,761
LOADRELIEF	154	$4,074,820	166	$6,357,694	15	$157,968	335	$10,590,482
NEW BUSINESS	34	$993,190	40	$2,681,623	37	$309,412	111	$3,984,225
	529	$12,786,536	533	$21,530,728	124	$938,202	1,186	$35,255,468

BRONX / WEST	Network Protectors		UG Transformers		Other (OH, URD, Etc.)		Totals	
	Units	$$	Units	$$	Units	$$	Units	$$
EMERGENCY / SYSTEM RELIABILITY	79	$2,059,541	43	$1,633,417	171	$623,123	293	$4,316,081
LOADRELIEF	70	$1,689,434	76	$2,721,182	205	$713,763	351	$5,124,379
NEW BUSINESS	30	$906,436	32	$1,976,479	96	$609,729	158	$3,492,644
	179	$4,655,411	151	$6,331,076	472	$1,946,615	802	$12,933,104

MANHATTAN	Network Protectors		UG Transformers		Other (OH, URD, Etc.)		Totals	
	Units	$$	Units	$$	Units	$$	Units	$$
EMERGENCY / SYSTEM RELIABILITY	167	$4,417,797	149	$8,878,255			316	$13,296,052
LOADRELIEF	44	$1,318,704	42	$2,462,105			86	$3,780,809
NEW BUSINESS	70	$2,561,366	66	$4,658,559	1	$32,750	137	$7,252,675
	281	$8,297,867	257	$15,998,919	1	$32,750	539	$24,329,536

STATEN ISLAND	Network Protectors		UG Transformers		Other (OH, URD, Etc.)		Totals	
	Units	$$	Units	$$	Units	$$	Units	$$
EMERGENCY / SYSTEM RELIABILITY	7	$261,246	4	$271,318	56	$199,859	67	$732,423
LOADRELIEF	5	$158,412	11	$608,551	92	$403,951	108	$1,170,914
NEW BUSINESS	1	$66,292	1	$69,636	47	$258,636	49	$394,564
	13	$485,950	16	$949,505	195	$662,446	224	$2,297,901

TOTAL	Network Protectors		UG Transformers		Other (OH, URD, Etc.)		Totals	
	Units	$$	Units	$$	Units	$$	Units	$$
EMERGENCY / SYSTEM RELIABILITY	594	$14,457,112	523	$23,274,401	299	$1,293,804	1,416	$39,025,317
LOADRELIEF	273	$7,241,370	295	$12,149,532	312	$1,275,682	880	$20,666,584
NEW BUSINESS	135	$4,527,284	139	$9,366,297	181	$1,210,527	455	$15,124,108
	1,002	$26,225,766	957	$44,810,230	792	$3,780,013	2,751	$74,816,009

2007 Electrical Distribution Equipment Installations

BROOKLYN/QUEENS	Network Protectors		UG Transformers		Other (OH, URD, Etc.)		Totals	
	Units	$$	Units	$$	Units	$$	Units	$$
EMERGENCY / SYSTEM RELIABILITY	684	$15,889,308	549	$21,335,899	134	$897,779	1,367	$38,122,986
LOADRELIEF	222	$5,742,526	234	$8,619,769	57	$290,673	513	$14,652,968
NEW BUSINESS	88	$2,644,885	101	$5,945,842	86	$509,428	275	$9,100,155
	994	$24,276,719	884	$35,901,510	277	$1,697,880	2,155	$61,876,109

BRONX / WEST	Network Protectors		UG Transformers		Other (OH, URD, Etc.)		Totals	
	Units	$$	Units	$$	Units	$$	Units	$$
EMERGENCY / SYSTEM RELIABILITY	324	$8,057,071	137	$5,116,524	434	$1,734,470	895	$14,908,065
LOADRELIEF	25	$615,157	97	$3,845,211	367	$1,613,452	489	$6,073,820
NEW BUSINESS	32	$856,834	33	$2,258,021	200	$970,230	265	$4,085,085
	381	$9,529,062	267	$11,219,756	1,001	$4,318,152	1,649	$25,066,970

MANHATTAN	Network Protectors		UG Transformers		Other (OH, URD, Etc.)		Totals	
	Units	$$	Units	$$	Units	$$	Units	$$
EMERGENCY / SYSTEM RELIABILITY	438	$11,553,187	307	$19,142,206	6	$66,566	751	$30,761,959
LOADRELIEF	78	$2,518,107	92	$5,429,566			170	$7,947,673
NEW BUSINESS	131	$4,604,532	136	$9,054,360	9	$1,890	276	$13,660,782
	647	$18,675,826	535	$33,626,132	15	$68,456	1,197	$52,370,414

STATEN ISLAND	Network Protectors		UG Transformers		Other (OH, URD, Etc.)		Totals	
	Units	$$	Units	$$	Units	$$	Units	$$
EMERGENCY / SYSTEM RELIABILITY	18	$578,391	14	$796,128	219	$796,360	251	$2,170,879
LOADRELIEF			5	$402,706	51	$261,251	56	$663,957
NEW BUSINESS					95	$504,851	95	$504,851
	18	$578,391	19	$1,198,834	365	$1,562,462	402	$3,339,687

TOTAL	Network Protectors		UG Transformers		Other (OH, URD, Etc.)		Totals	
	Units	$$	Units	$$	Units	$$	Units	$$
EMERGENCY / SYSTEM RELIABILITY	1,464	$36,077,957	1,007	$46,390,757	793	$3,495,175	3,264	$85,963,889
LOADRELIEF	325	$8,875,790	428	$18,297,252	475	$2,165,376	1,228	$29,338,418
NEW BUSINESS	251	$8,106,251	270	$17,258,223	390	$1,986,399	911	$27,350,873
	2,040	$53,059,998	1,705	$81,946,232	1,658	$7,646,950	5,403	$142,653,180

DPS 198.2

Provide the method and analysis used to project the requirements as forecasted by each Region and Energy Services.

The forecast of Electrical Distribution equipment is predicated on five factors: regional equipment forecasts, minimum stock levels, on-hand stock levels (inventory), equipment on order, and reconditioned stock levels. The regional equipment forecasts are primarily based on anticipated future requirements for projects, classified as new business, load relief, or emergency/system reliability. Additionally, the regions review the available field forces and the approved budget for installation of equipment.

DPS 198.3

Explain the reason(s) for any variation in the number of installations and purchase cost of the equipment compared to the previous two years.

There has been a steady increase in the amount of electrical distribution equipment usage of approximately 10% per year. Some of the reasons for the increases can be attributed to the various programs used to identify equipment that exhibit symptoms of a possible failure and the company's proactive program to remove this equipment from service before it fails.

There have been various factors that have contributed to the rising cost of electrical distribution equipment, most notably, the steady increase in the price of raw material, primarily copper and steel, which are essential to the manufacture of electrical distribution equipment. The U.S. Department of Labor, Bureau of Labor Statistics shows the compounded escalation of steel and copper between the years 2003 and 2007 at 107.0%, an average of 21.4% per year, which resulted in an overall increase of 49.6% in the cost of electric distribution related expenditures. During the same time period, between years 2003 and 2007, depending on the unit's size, the actual cost of underground transformers increased between 61% and 82%, and the actual cost of overhead transformers increased between 77% and 127%. Additionally, some of the initiatives to mitigate failures and enhance the monitoring and safety of the underground network transformers, primarily installing RMSPTO sensors and purchasing or retrofilling units with natural ester insulating fluid, have also contributed to the increase in cost.

Company Name: Con Edison
Case Description:
Case: 08-E-0539

Response to DPS Interrogatories – Set DPS15
Date of Response: 07/03/2008
Responding Witness: Infrastructure Investment Panel

Question No. :209.1
Subject: Process Improvement – Work Management Systems - Provide an itemized breakdown of how the funding for each year was derived.

Response:

Item	2009	2010	2011	2012	Total
Phase Zero Scoping Effort • Consultants	750				750
Server hardware • Test and develop servers (100) • Production servers (150)	250				250
Software and interface development • Routing and assignment facility • Interfaces to eTRAC, EDIS, etc.	2,000	1,250	750		4,000
Testing and training		250	250		500
Total	3,000	1,500	1,000		5,500

Company Name: Con Edison
Case Description:
Case: 08-E-0539

Response to DPS Interrogatories – Set DPS15
Date of Response: 08/12/2008
Responding Witness:

Question No. :209.1Rev
Subject: Process Improvement – Work Management Systems - Provide an itemized breakdown of how the funding for each year was derived.

Response:

The Phase Zero Study will establish the scope and cash flow of this project. Below is an itemized breakdown of the funding for years 2009 to 2011.

Item	2009	2010	2011
Phase Zero Scoping Effort (deliverables listed below)	1,300	500	
Server hardware • Test and development servers (2009) • Production servers (2010)	100	500	
Software licenses	100	6,000	1,000
Software and interface development		6,500	16,000
Testing and Training			1,000
Total	1,500	13,500	18,000

Company Name: Con Edison
Case Description:
Case: 08-E-0539

Response to DPS Interrogatories – Set DPS15
Date of Response: 07/03/2008
Responding Witness: Infrastructure Investment Panel

Question No. :209.2
Subject: Process Improvement – Work Management Systems - Provide the actual historical cost of this program broken down in the same manner as part 1 of this question.

Response:

Not applicable. This is a new program.

Company Name: Con Edison
Case Description:
Case: 08-E-0539

Response to DPS Interrogatories – Set DPS15
Date of Response: 07/03/2008
Responding Witness: Infrastructure Investment Panel

Question No. :209.3
Subject: Process Improvement – Work Management Systems - What is the difference between Integrated Route Sheet under Advanced Technology and Work Management System under Process Improvement?

Response:

The Integrated Route Sheet effort is focused on developing a streamlined interface to facilitate the assignment and routing of all electric construction, inspection and repair work. The Integrated Route Sheet facility will integrate data from various legacy work management systems.

The Work Management System effort is focused on developing a new comprehensive work management system for Electric Operations and retiring the legacy applications. Once the new Work Management System is in place, the Integrated Route Sheets will integrate data from the work management system that replaces the various legacy systems.

Company Name: Con Edison
Case Description:
Case: 08-E-0539

Response to DPS Interrogatories – Set DPS15
Date of Response: 08/12/2008
Responding Witness:

Question No. :209.3Rev
Subject: Process Improvement – Work Management Systems - What is the difference between Integrated Route Sheet under Advanced Technology and Work Management System under Process Improvement?

Response:
The Integrated Route Sheet effort is focused on developing a streamlined interface to facilitate the assignment and routing of all electric construction, inspection and repair work. The Integrated Route Sheet facility will integrate data from various legacy work management systems.

The Work Management System effort is focused on developing a new comprehensive work management system for Electric Operations and retiring the legacy applications.

Company Name: Con Edison
Case Description:
Case: 08-E-0539

Response to DPS Interrogatories – Set DPS15
Date of Response: 07/03/2008
Responding Witness: Infrastructure Investment Panel

Question No. :209.4
Subject: Process Improvement – Work Management Systems - What progress has been made under this program to-date?

Response:

Preliminary scoping and project estimating has been completed.

Company Name: Con Edison
Case Description:
Case: 08-E-0539

Response to DPS Interrogatories – Set DPS15
Date of Response: 07/03/2008
Responding Witness: Infrastructure Investment Panel

Question No. :209.5
Subject: Process Improvement – Work Management Systems - Describe the process for determining that this program will be cost efficient and the process and plans to verify cost effectiveness?

Response:

The company begins by developing project schedules providing clear objectives and anticipated time lines to plan the work to minimize the risk of costly delays due to unexpected conditions. Cost effectiveness is continued by efficiently planning jobs in conjunction with other work of similar type scope which results in the most efficient use of Con Edison manpower. When an outside contractor is needed, prior to start of project, competitive bidding will be used to obtain the lowest cost contract resources. In addition, the financial analysis group will monitor the actual costs against the budget for each specific project/program and will compare the average work time and cost per unit against actual to evaluate discrepancies.

Company Name: Con Edison
Case Description:
Case: 08-E-0539

Response to DPS Interrogatories – Set DPS15
Date of Response: 08/22/2008
Responding Witness:

Question No. :209.5
Subject: Process Improvement – Work Management Systems - Describe the process for determining that this program will be cost efficient and the process and plans to verify cost effectiveness?

Response:

The Company will implement a comprehensive work management system that will track work and time spent into a common, corporate-wide platform. This will provide an environment where users can budget, plan, acquire, schedule and track use of resources. By organizing processes around one common platform, obsolete technologies will be eliminated.

This system will implement automated processes to improve productivity by reducing duplicate data entry. The need to train people on the use of multiple systems will be eliminated. Capturing additional data about projects will improve our ability to analyze what we do. This will allow us to work more efficiently and to make decisions that will reduce cost.

The scope of work managed by an electronic work management system can be defined as all physical work to install and maintain T&D fixed assets performed by Operation's field crews and contractors. The core process consists of 5 major process blocks:

- ***Work Initiation***
- ***Design***
- ***Approvals***
- ***Labor & Material Charges***
- ***Closing***

The Process Improvement – Work Management System will be managed through the appropriation process as defined in *CI 610-1 Capital Budget Process.* The appropriation process defines and tracks program cost efficiency and effectiveness through several steps. In the inception of the appropriation process, a project scope, budget and schedule are developed to frame a comprehensive plan for the program. This plan is approved by the appropriate level of management in accordance to corporate instruction *CI 000-1Delegation of Authority*, and a project owner is assigned to manage progress and complete progress milestones within the allotted budget. The progress of the program is continually assessed at these various milestones,

and its effectiveness is re-evaluated if any significant changes in scope or cost will require project re-appropriation. Cost overruns, in excess of the contingency defined in the initial appropriation, are evaluated with the appropriate level of management in the re-appropriation process to determine if the project remains viable and cost effective. The evaluation of the milestones of the program will also verify that the benefits identified at inception of the Process Improvement – Work Management System are being achieved as planned.

Company Name: Con Edison
Case Description:
Case: 08-E-0539

Response to DPS Interrogatories – Set DPS15
Date of Response: 07/03/2008
Responding Witness: Infrastructure Investment Panel

Question No. :209.6
Subject: Process Improvement – Work Management Systems - Identify the existing O&M elements of cost that would be reduced as result of implementing the proposed process improvement program. Provide the specific amount of reduction by O&M element of cost and a reference to where those reductions are reflected in the company's rate case filing.

Response:

The Work Management Systems will be in the Phase Zero planning phase during the rate year.

Company Name: Con Edison
Case Description:
Case: 08-E-0539

Response to DPS Interrogatories – Set DPS15
Date of Response: 08/12/2008
Responding Witness:

Question No. :209.6Rev
Subject: Process Improvement – Work Management Systems - Identify the existing O&M elements of cost that would be reduced as result of implementing the proposed process improvement program. Provide the specific amount of reduction by O&M element of cost and a reference to where those reductions are reflected in the company's rate case filing.

Response:
At this point specific O&M cost reductions have not been identified. However, the Work Management System is expected to reduce clerical costs associated with job assignment and update. Specific savings will be articulated during the Phase Zero planning effort.

Company Name: Con Edison
Case Description:
Case: 08-E-0539

Response to DPS Interrogatories – Set DPS15
Date of Response: 07/03/2008
Responding Witness: Infrastructure Investment Panel

Question No. :212.1
Subject: Advanced Technology/Process Improvement – Area System Profile - Provide an itemized breakdown of how the capital and O&M funding for each year was derived.

Response:

	Rate Year 1	Rate Year 2	Rate Year 3
O&M * -- Accounts Payable	$100,000	$100,000	$100,000

O&M* Allocated 75% for an APS administrator (internal staff) and 25% for software license renewals and maintenance.

	2009	2010	2011
Capital ** – Accounts Payable	$100,000	$100,000	$100,000

** Software Development (approx 500hrs@ $200hr) with an outside vendor.

Company Name: Con Edison
Case Description:
Case: 08-E-0539

Response to DPS Interrogatories – Set DPS15
Date of Response: 07/03/2008
Responding Witness: Infrastructure Investment Panel

Question No. :212.2
Subject: Advanced Technology/Process Improvement – Area System Profile - Provide the actual historical cost of this program broken down in the same manner as part 1 of this question.

Response:

	2007	2008
O&M *	$100,000	$100,000

* Allocated 75% for an APS administrator (internal staff) and 25% for software license renewals and maintenance.

Capital **	$181,000	$100,000

** Software Development with an outside vendor.

Company Name: Con Edison
Case Description:
Case: 08-E-0539

Response to DPS Interrogatories – Set DPS15
Date of Response: 07/03/2008
Responding Witness: Infrastructure Investment Panel

Question No. :212.3
Subject: Advanced Technology/Process Improvement – Area System Profile - Provide specific examples on what Area System Profile can do now versus what its capabilities will be after phase 3 is implemented.

Response:

Phase 1-3 – Current Functionality

- Data aggregation at the network, zip code, substation, M&S Plate, census tract, block group and block level.
- Display top 20 Electric Accounts by Network
- Display Data Statistics of specific geographic areas
- Search my address or M&S Plate
- Data repository changed to SQL Server
- Export data on top 20 Electric Accounts by Network
- Added Dun & Bradstreet business data
- Account data linked to NYC Department of Finance Database
- Freely create polygons and be able to cut down the center of a block
- Spreadsheet containing account numbers can be imported to APS to obtain account data in batch.
- Ability to remove or deselect areas
- Ability to restrict access to certain data in the system

Phase 3(a) Enhancements year ending 2009

- Portal to access real time CECONY account data
- Investigate a different approach for exporting data to allow for multiple exports
- Add a reset map button to put map back to default layer
- Eliminate some layers from automatic viewing, but still allow user to display these
- More sophisticated analysis tools for the "power" user, including and not limited to comparing electric consumption, load factors, demand by building type and market segments.

Phase 3 (b) Enhancements year ending 2010

- At county borders provide a means to select records from both counties and aggregate data.
- Add infrastructure maps from other City agencies and other Utilities/Telcos web based reporting tools to minimize size limits for Excel.
- Addition of a reset button to put map back to default layer control settings.
- More efficient link for data refreshing in Vision

Phase 3 (c) Enhancements year ending 2011

- Automate back end database refreshing
- Automate back end CECONY graphical layer refreshing
- Improve look of maps by using PLUTO parcels indentifying the actual footprinting of the building and creating a more exact land based match
- Modeling capabilities including carbon footprinting
- Portal to access real-time CECONY account data

Company Name: Con Edison
Case Description:
Case: 08-E-0539

Response to DPS Interrogatories – Set DPS15
Date of Response: 07/03/2008
Responding Witness: Infrastructure Investment Panel

Question No. :212.4
Subject: Advanced Technology/Process Improvement – Area System Profile - Provide a copy of the work schedule for phase 3 that identifies when key steps will be done.

Response:

See response to 212.3.

Company Name: Con Edison
Case Description:
Case: 08-E-0539

Response to DPS Interrogatories – Set DPS15
Date of Response: 07/03/2008
Responding Witness: Infrastructure Investment Panel

Question No. :212.5
Subject: Advanced Technology/Process Improvement – Area System Profile - Describe the process for determining that this program will be cost efficient and the process and plans to verify cost effectiveness?

Response:

Overall, and in conjunction with IR and Energy Efficiency Programs, APS functionality and optionality will be tested and evaluated against other potential solutions via competitive bidding, standard off the shelf systems, and independent vendor proposals Other mapping platforms such as ESRI will be considered in the vetting process.

Company Name: Con Edison
Case Description:
Case: 08-E-0539

Response to DPS Interrogatories – Set DPS15
Date of Response: 08/22/2008
Responding Witness:

Question No. :212.5Rev
Subject: Advanced Technology/Process Improvement – Area System Profile - Describe the process for determining that this program will be cost efficient and the process and plans to verify cost effectiveness?

Response:

The Area System Profile (APS) program is a continuation of a 2008 funded program. The APS program is essential (as set forth in the Plans and Milestones for NYSPSC Staff Priority Recommendations) in order to identify population and household information down to the requested geographic level (zip code, block group, M&S Plate, etc) in consonance with CECONY account information. Without APS, the Company will not have in-house application to systematically collect, assess and evaluate critical population and household impact during a contingency or system emergency. APS Phase 2 was completed in the September, 2007 and offers greater functionality including: easier viewing, better customer identification, increased data export capability. APS Phase 3 which is now in progress will provide for the integration of CECONY account data, New York City Department of Buildings and Dun and Bradstreet business information with NYC/Westchester County Block/Lot information. Phase 3 should also provide clearer selection boundaries, a custom point selection tools, and advanced selection/query capability. Overall, information will be available at the building level which offers essential data when assessing emergency situations, isolating customers (including behind the meter customer data) and building marketing support for energy efficiency/demand response program development and execution..

The Area System Profile (APS) program will be managed through the appropriation process as defined in *CI 610-1 Capital Budget Process.* The appropriation process defines and tracks program cost efficiency and effectiveness through several steps. In the inception of the appropriation process, a project scope, budget and schedule are developed to frame a comprehensive plan for the program. This plan is approved by the appropriate level of management in accordance to corporate instruction *CI 000-1Delegation of Authority*, and a project owner is assigned to manage progress and complete progress milestones within the allotted budget. The progress of the program is continually assessed at these various milestones, and its effectiveness is re-evaluated if any significant changes in scope or cost will require project re-appropriation. Cost overruns, in excess of the contingency defined in the initial appropriation, are evaluated with the appropriate level of management in the re-appropriation process to determine if the project remains viable and cost effective. The evaluation of the

milestones of the program will also verify that the benefits identified at inception of the Area System Profile program are being achieved as planned.

Company Name: Con Edison
Case Description:
Case: 08-E-0539

Response to DPS Interrogatories – Set DPS15
Date of Response: 07/03/2008
Responding Witness: Infrastructure Investment Panel

Question No. :212.6
Subject: Advanced Technology/Process Improvement – Area System Profile - Identify the existing O&M elements of cost that would be reduced as result of implementing the proposed process improvement program. Provide the specific amount of reduction by O&M element of cost and a reference to where those reductions are reflected in the company's rate case filing.

Response:

This program is not designed to achieve any O&M savings as it is designed to comply with the Commission's recommendations in Case 06-E-0894. In addition, it will provide additional information that was previously available manually.

Company Name: Con Edison
Case Description:
Case: 08-E-0539

Response to DPS Interrogatories – Set DPS15
Date of Response: 07/08/2008
Responding Witness: Infrastructure Investment Panel

Question No. :217
Subject: Process Improvement – Electric Operations Process Management (EOPM) - 1. Provide an itemized breakdown of how the O&M funding for each rate year was derived. 2. Provide the actual five year historical cost of this program broken down in the same manner as part 1 of this question. 3. Describe the process for determining that this program will be cost efficient and the process and plans to verify cost effectiveness? 4. Identify the existing O&M elements of cost that would be reduced as result of implementing the proposed process improvement program. Provide the specific amount of reduction by O&M element of cost and a reference to where those reductions are reflected in the company's rate case filing.

Response:

1. Provide an itemized breakdown of how the O&M funding for each rate year was derived.

The O&M estimate was derived as per our organizational plan, the EOPM (currently called the Edison Project) is planned to have 6 employees. The O&M cost was requested for the wages & overhead cost of the group.

The breakdown is as follows: Labor $600k and overhead $200K

2. Provide the actual five year historical cost of this program broken down in the same manner as part 1 of this question.

Since the group was formed in 2007, we currently have 3 employees, $300K in labor and $100K in overhead. We are planning to fill in the remaining three positions in the second half of 2008.

3. Describe the process for determining that this program will be cost efficient and the process and plans to verify cost effectiveness?

The Edison Project has been working on the various work process review throughout the company. We embraced the lean management approach that is developed by Toyota Motor Manufacturing to review the Electric Operations key processes.

For example, the Edison Project has been reviewing the following areas to target reliability improvement, customer satisfaction, safety improvement:

Construction Management Work Process Review:
This review evaluates the construction management process from the generation of a job as a layout, to the construction of it, to job completion. The goal of this review is to improve work quality in terms of specification compliance, timeliness of work, and staying within budget. In particular, this review is working to improve communication across multiple departments/organizations that are involved in the process. A feedback loop is also being developed to allow the operating supervisors to approve the specification compliance and work quality of jobs when they are passed on to them from Construction Management. This will improve construction reliability and act as a quality assurance to make sure jobs by our contractors are completed in a safe, specification-compliant manner.

RMS Maintenance Work Process Review:
This review evaluates the procedures and processes used for RMS maintenance with the goal of determining the ideal maintenance process to sustain the RMS reporting rate; and standardizing the process among the regions. Several initiatives have become part of this project, including working with field supervisors and SCADA engineers to develop a comprehensive troubleshooting guide, updating Learning Center training to include more information on the 3rd Generation RMS transmitters, and developing an integrated maintenance tracking interface that will link several databases into one system to improve data transparency for trending and research.

Energy Services - Major Service Review:
The EDISON PROJECT is working on developing an integrated work management system to better manage the process for providing customers more timely service; from the point when the major service customer submits a request for service to when their service is energized. It captures the entire process from engineering to scheduling and finally construction. This system considers the expected duration of the process and alerts responsible parties of tasks needing attention. It will allow better tracking of jobs by providing the transparency that allows anyone involved in the process to easily the status of jobs and be able to plan resources accordingly. This goal is to eventually deploy this system companywide in order to standardize the process across regions. This project will greatly improve customer service by providing the customer with a more accurate service date and allows company representatives to more easily respond to customer inquiries about their jobs.

4. Identify the existing O&M elements of cost that would be reduced as result of implementing the proposed process improvement program. Provide the specific amount of reduction by O&M element of cost and a reference to where those reductions are reflected in the company's rate case filing.

As indicated above, these process improvements are aimed at reliability improvement, customer satisfaction and safety improvement as opposed to cost reductions.

Notwithstanding, should any of these programs result in cost savings, they would be captured when future rates are set.

Company Name: Con Edison
Case Description:
Case: 08-E-0539

Response to DPS Interrogatories – Set DPS15
Date of Response: 07/15/2008
Responding Witness: Infrastructure Investment Panel

Question No. :219.1
Subject: Process Improvement – Enhanced Project Planning in Electric Operations - Provide an itemized breakdown of how the O&M funding for each rate year was derived.

Response:

See attachment.

This program was allowed as part of the 2008 Order (formerly named Electric Operations Project Mgt) but as it was not included in the historic year, it was again included in this filing.

Company Name: Con Edison
Case Description:
Case: 08-E-0539

Response to DPS Interrogatories – Set DPS15
Date of Response: 07/15/2008
Responding Witness: Infrastructure Investment Panel

Question No. :219.2
Subject: Process Improvement – Enhanced Project Planning in Electric Operations - Provide the actual historical cost of this program broken down in the same manner as part 1 of this question.

Response:

Refer to Staff 219.1.

Company Name: Con Edison
Case Description:
Case: 08-E-0539

Response to DPS Interrogatories – Set DPS15
Date of Response: 07/15/2008
Responding Witness: Infrastructure Investment Panel

Question No. :219.3
Subject: Process Improvement – Enhanced Project Planning in Electric Operations - What is the current level of staffing broken down in the same way as found under 'Program Requirements' in the workpaper?

Response:
Enhanced Project Planning:
Planning Group

REGIONAL ENGINEERING SECTIONS				
TITLE	**Manhattan**	**Brooklyn/Queens**	**Bronx/Westchester**	**Staten Island**
CUST PROJ MGR-A	4	0	0	0
DEPT MANAGER	2	1	0	1
ENGINEER	6	2	1	0
SR ENGINEER	0	1	1	0
MANAGER	4	3	1	0
OPER GENL SUPV	0	1	0	0
OPERATING SUPV	0	3	0	0
SPECIALIST	1	0	2	0
SR SPECIALIST	1	1	1	2
SR ANALYST	1	0	0	0
ENGRG SUPERVISOR	12	20	14	5
SECTION MGR	1	0	0	0
MM	**32**	**32**	**20**	**8**
ENGRG AIDE TEMP	1	7	2	1
ANALYST AIDE TEMP	0	4	0	0
ADMINISTR ASST	0	4	1	0
ADMINISTR CLERK	0	1	2	0
SR COORDINATOR DISTRIBUTION	0	1	0	0
SPLICER	0	1	0	0
SPLICER	0	5	0	0
OUTPLANT MECH A	0	1	0	0
MECH A	0	0	1	0
COML TECH REP	0	0	1	0

SR DIST CTL REP	0	0	1	0
SR OFF ASST A	0	0	1	0
DESIGNER	11	12	5	7
JUNIOR DESIGNER	47	37	30	9
SENIOR DESIGNER	18	19	16	3
SR ENG TECH	1	0	2	0
SR ENG TECH A	2	0	0	0
UNION	**80**	**92**	**62**	**20**
TOTAL	**112**	**124**	**82**	**28**

Distribution Engineering Equipment Analysis Center (DEEAC)

This is an approved 2008 Rate Case item. The approved staffing level was 2 management employees and 5 weekly employees. The current level of staffing in DEEAC is 2 Operating Supervisors and we are in the process of hiring 5 Distribution Mechanic A's.

Company Name: Con Edison
Case Description:
Case: 08-E-0539

Response to DPS Interrogatories – Set DPS15
Date of Response: 07/15/2008
Responding Witness: Infrastructure Investment Panel

Question No. :219.4
Subject: Process Improvement – Enhanced Project Planning in Electric Operations - What will be the increased staffing broken down in the same manner as part 3 of this IR?

Response:

The incremental program requirements are as follows:

Planning Group

Enhanced Project Planning Group – 3 Section Managers, 9 Project Specialists.

Distribution Engineering Equipment Analysis Center (DEEAC)

The additional staffing level above the approved 2008 Rate Case submittal is 1 clerical employee.

Company Name: Con Edison
Case Description:
Case: 08-E-0539

Response to DPS Interrogatories – Set DPS15
Date of Response: 07/15/2008
Responding Witness: Infrastructure Investment Panel

Question No. :219.5
Subject: Process Improvement – Enhanced Project Planning in Electric Operations - Provide the calculation of how the level of increased staffing was determined?

Response:

Planning Group

One Section Manager and three Project Specialists for each region (Manhattan, Brooklyn/Queens, Bronx/Westchester) was determined as the staffing level. The Capital Budget program for Electric Operations has expanded over the last 5 years. We are performing more detailed analysis to design enhancements to the distribution system and meet changing demand and operating requirements. No one organization has complete oversight of electric distribution capital construction projects. Currently, various functional groups and organizations are involved, such as regional Engineering, Electric Construction, and Construction Management (overseeing contractor crews). We believe this increased staffing level is commensurate with the increased capital construction program in electric operations.

Distribution Engineering Equipment Analysis Center (DEEAC)

The additional 1 Clerical (weekly) employee above the approved 2008 Rate Case staffing level (refer to 219.3) will collect and track the data associated with equipment failures and root cause analysis work on field returned equipment. This will facilitate the analysis and trending of data associated with distribution equipment in order to provide the clerical support to identify failure trends, supporting our efforts to mitigate public safety concerns.

Company Name: Con Edison
Case Description:
Case: 08-E-0539

Response to DPS Interrogatories – Set DPS15
Date of Response: 07/21/2008
Responding Witness: Infrastructure Investment Panel

Question No. :219.6
Subject: Process Improvement – Enhanced Project Planning in Electric Operations - Describe the process for determining that this program will be cost efficient and the process and plans to verify cost effectiveness?

Response:

Enhanced Project Planning:

Planning Group

The increased staff will facilitate the completion of greater workload, which has increased as the Capital Budget program for Electric Operations has expanded over the last 5 years. Based on priorities and upcoming milestones, the team will coordinate all detailed analysis to design enhancements to the distribution system and will reset priorities as opportunities for efficiencies are identified, while meeting the changing demand and operating requirements.

Distribution Engineering Equipment Analysis Center (DEEAC)

The new clerical person will facilitate the analysis of equipment to identify failure trends that will support the Company's efforts to mitigate public safety concerns and maintain the reliability and long service life of the equipment. Standardizing the collection of equipment data will streamline the data collection process. Since the program's primary objective is the mitigation of the public safety risk associated with transformer failures, the effectiveness of the DEEAC group will be gauged by the reduction of transformer in-service failures.

Company Name: Con Edison
Case Description:
Case: 08-E-0539

Response to DPS Interrogatories – Set DPS15
Date of Response: 07/21/2008
Responding Witness: Infrastructure Investment Panel

Question No. :219.7
Subject: Process Improvement – Enhanced Project Planning in Electric Operations - Provide examples of how this group has been a benefit to improving use of resources and/or cost savings?

Response:

Planning Group

The Capital Budget program for Electric Operations has expanded over the last 5 years. We are performing more detailed analysis to design enhancements to the distribution system and meet changing demand and operating requirements. No one organization has complete oversight of electric distribution capital construction projects. Currently, various functional groups and organizations are involved, such as regional Engineering, Electric Construction, and Construction Management (overseeing contractor crews). The proposed enhanced project planning, oversight and designing capability will provide better overall coordination, resulting in more efficient deployment of resources. We believe this increased staffing level is commensurate with the increased capital construction program in electric operations.

Distribution Engineering Equipment Analysis Center (DEEAC)

This program was approved as part of the last rate proceeding and is now being staffed. Going forward, this program's primary objective is the mitigation of the public safety risk associated with equipment failures. As explained in response to Staff 219.6, the addition of a clerical person will facilitate the analysis of equipment to identify failure trends that will support the public safety objective and the reliability and long service life of the equipment. Standardizing the collection of equipment data will allow for a streamlined data collection process and facilitate the analysis and trending of equipment. The proactive program is aimed at improving system safety and equipment reliability, and no cost savings are anticipated (i.e., transformers with certain indicators (e.g., an abnormally high DGOA) will be removed earlier than they otherwise would be).

Company Name: Con Edison
Case Description:
Case: 08-E-0539

Response to DPS Interrogatories – Set DPS15
Date of Response: 07/21/2008
Responding Witness: Infrastructure Investment Panel

Question No. :219.8
Subject: Process Improvement – Enhanced Project Planning in Electric Operations - What has been done to ensure duplicated efforts are not being made between this group and the respective staff members specifically responsible for various programs under Electric Operation?

Response:

Planning Group

Historically, Distribution Engineering has always been the sole provider of project oversight and sets specific project priorities within each region, as well as overall for the electric distribution system. The expansion of this program will only fortify the fact that the Company looks to Distribution Engineering for oversight and priorities, which will reinforce that no duplicate efforts are undertaken.

Distribution Engineering Equipment Analysis Center (DEEAC)

The analysis and data collection of field returned distribution equipment is centralized in the Equipment Section of Distribution Engineering, Distribution email lists have been created to communicate key efforts and their associated status, which will prevent duplicate efforts.

Company Name: Con Edison
Case Description:
Case: 08-E-0539

Response to DPS Interrogatories – Set DPS15
Date of Response: 07/21/2008
Responding Witness: Infrastructure Investment Panel

Question No. :219.9
Subject: Process Improvement – Enhanced Project Planning in Electric Operations - Identify the existing O&M elements of cost that would be reduced as result of implementing the proposed process improvement program. Provide the specific amount of reduction by O&M element of cost and a reference to where those reductions are reflected in the company's rate case filing.

Response:

Planning Group:

Cost savings will not be evident in the period covered by this rate filing but potentially in future years. The additional staff is being hired based on the increase in units of work.

Distribution Equipment Analysis Center DEEAC:

See response to Staff 219.7.

Company Name: Con Edison
Case Description:
Case: 08-E-0539

Response to DPS Interrogatories – Set DPS15
Date of Response: 07/03/2008
Responding Witness: Infrastructure Investment Panel

Question No. :221.1
Subject: Advanced Technology/Process Improvement – Mapping System Upgrade - Provide an itemized breakdown of how the capital and O&M funding for each year was derived.

Response:

Item	2009	2010	2011	2012	Total
Server hardware upgrades	500			100	600
Mapping software licenses	4,000	1,500			5,500
Software and interface development	2,000	3,500	3,000	1,400	10,300
Total	6,500	5,000	3,000	1,500	16,000

Company Name: Con Edison
Case Description:
Case: 08-E-0539

Response to DPS Interrogatories – Set DPS15
Date of Response: 07/03/2008
Responding Witness: Infrastructure Investment Panel

Question No. :221.2
Subject: Advanced Technology/Process Improvement – Mapping System Upgrade - Provide the actual historical cost of this program broken down in the same manner as part 1 of this question.

Response:

A phase zero scoping effort will be conducted in 2008.

Item	2008
Server hardware upgrades	50
Consulting	2,000
Software and interface development	0
Total	2,050

Company Name: Con Edison
Case Description:
Case: 08-E-0539

Response to DPS Interrogatories – Set DPS15
Date of Response: 07/03/2008
Responding Witness: Infrastructure Investment Panel

Question No. :221.3
Subject: Advanced Technology/Process Improvement – Mapping System Upgrade - Under 'Work Description', year 1, 2, 3, 4, and 5 represent which rate years (i.e. 2008, 2009)?

Response:

The numbers represent years 2008 to 2012.

Company Name: Con Edison
Case Description:
Case: 08-E-0539

Response to DPS Interrogatories – Set DPS15
Date of Response: 07/03/2008
Responding Witness: Infrastructure Investment Panel

Question No. :221.4
Subject: Advanced Technology/Process Improvement – Mapping System Upgrade - What progress has been made under this program to-date?

Response:

Preliminary scoping and vendor evaluations have been completed.

Company Name: Con Edison
Case Description:
Case: 08-E-0539

Response to DPS Interrogatories – Set DPS15
Date of Response: 07/03/2008
Responding Witness: Infrastructure Investment Panel

Question No. :221.5
Subject: Advanced Technology/Process Improvement – Mapping System Upgrade - Describe the process for determining that this program will be cost efficient and the process and plans to verify cost effectiveness?

Response:

Project cost containment will be accomplished through the development of a detailed project schedule and implementation plan. In addition, regular project reviews will be conducted and competitive bidding will be utilized for the procurement of software services and computing hardware.

Company Name: Con Edison
Case Description:
Case: 08-E-0539

Response to DPS Interrogatories – Set DPS15
Date of Response: 08/22/2008
Responding Witness:

Question No. :221.5
Subject: Advanced Technology/Process Improvement – Mapping System Upgrade - Describe the process for determining that this program will be cost efficient and the process and plans to verify cost effectiveness?

Response:

The Company operates and maintains six corporate mapping applications in support of its electric, gas and steam distribution systems. Significant business benefits can be realized by migrating to a single automated mapping / facilities management environment, with a single data model, and by giving the Company's facilities data a spatially accurate orientation. A new upgraded mapping system would provide, either inherently or via extended applications, the functional capabilities of map viewing, plotting, specialty mapping, engineering design and system modeling that are in use in the existing environment.

The Mapping System Upgrade will be managed through the appropriation process as defined in *CI 610-1 Capital Budget Process.* The appropriation process defines and tracks program cost efficiency and effectiveness through several steps. In the inception of the appropriation process, a project scope, budget and schedule are developed to frame a comprehensive plan for the program. This plan is approved by the appropriate level of management in accordance to corporate instruction *CI 000-1Delegation of Authority*, and a project owner is assigned to manage progress and complete progress milestones within the allotted budget. The progress of the program is continually assessed at these various milestones, and its effectiveness is re-evaluated if any significant changes in scope or cost will require project re-appropriation. Cost overruns, in excess of the contingency defined in the initial appropriation, are evaluated with the appropriate level of management in the re-appropriation process to determine if the project remains viable and cost effective. The evaluation of the milestones of the program will also verify that the benefits identified at inception of the Mapping System Upgrade are being achieved as planned.

Company Name: Con Edison
Case Description:
Case: 08-E-0539

Response to DPS Interrogatories – Set DPS15
Date of Response: 07/07/2008
Responding Witness: Infrastructure Investment Panel

Question No. :221.6
Subject: Advanced Technology/Process Improvement – Mapping System Upgrade - Identify the existing O&M elements of cost that would be reduced as result of implementing the proposed process improvement program. Provide the specific amount of reduction by O&M element of cost and a reference to where those reductions are reflected in the company's rate case filing.

Response:

This is a technology upgrade program. Any identifiable and quantifiable O&M cost reductions would first be identified during the Phase Zero study.

Company Name: Con Edison
Case Description:
Case: 08-E-0539

Response to DPS Interrogatories – Set DPS15
Date of Response: 07/11/2008
Responding Witness: Infrastructure Investment Panel

Question No. :222.1
Subject: Process Improvement – Co-Ops - Provide an itemized breakdown of how the funding for each year was derived.

Response:

The funding level of $350k was derived by applying a $50k yearly rate for the seven part-time positions.

Company Name: Con Edison
Case Description:
Case: 08-E-0539

Response to DPS Interrogatories – Set DPS15
Date of Response: 07/11/2008
Responding Witness: Infrastructure Investment Panel

Question No. :222.2
Subject: Process Improvement – Co-Ops - Provide the actual historical cost to-date, broken down in the same manner as part 1 of this question.

Response:
The historical spending for the use of co-ops is:

2006	- $71,533 – 2 Co-Ops
2007	- $289,200 – 6 Co-Ops
2008 YTD	- $209,502 – 7 Co-Ops

Company Name: Con Edison
Case Description:
Case: 08-E-0539

Response to DPS Interrogatories – Set DPS15
Date of Response: 07/11/2008
Responding Witness: Infrastructure Investment Panel

Question No. :222.3
Subject: Process Improvement – Co-Ops - How was it determined that seven Co-op students are needed for the program?

Response:

The number of Co-op students is based on historical staffing levels referenced in 222.2 and is required to maintain our current staffing level. The increase in staffing from 2006 to 2008 is attributable to the increase of equipment monitoring and data collection as part of our Transformer Failure Mitigation Program and the tracking and coordination of NYCDOT approval of vault sketches for new vaults. Six co-ops primarily monitor and query multiple systems to produce reports that allow engineers to make timely and cost efficient decisions related to the safety and reliability of distribution equipment. In addition, one co-op is assigned the tracking of NYCDOT permits to support the timely approval of the permits associated with vault sketches to allow for the timely installation of our transformer vaults.

Company Name: Con Edison
Case Description:
Case: 08-E-0539

Response to DPS Interrogatories – Set DPS15
Date of Response: 07/11/2008
Responding Witness: Infrastructure Investment Panel

Question No. :222.4
Subject: Process Improvement – Co-Ops - Provide the following information concerning the proposed Co-op students employees: a. titles b. specific projects will they be working on c. what section under Electric Operations will they be assigned to?

Response:

a. Engineering Aide Temporary
b. Network Transformer Failure Mitigation, RMSPTO Monitoring, DGOA Monitoring, DEEAC Equipment Analysis, NYCDOT vault sketch approval process
c. Section 949 – Distribution Engineering – Equipment Section

Company Name: Con Edison
Case Description:
Case: 08-E-0539

Response to DPS Interrogatories – Set DPS15
Date of Response: 07/11/2008
Responding Witness: Infrastructure Investment Panel

Question No. :222.5
Subject: Process Improvement – Co-Ops - Describe the process for determining that this program will be cost efficient and the process and plans to verify cost effectiveness?

Response:

The Distribution Engineering Equipment Group will monitor its crewing to ensure that all resources are aligned to maximize the efficiency of our Co-op staff. This will include providing each co-op specific assignments and responsibilities, with the associated training and guidance necessary to complete their tasks, and will provide the oversight to monitor that the assignments and responsibilities are completed in a timely and accurate manner.

In addition, the financial analysis group will monitor the actual costs against the budget to evaluate discrepancies. This will result in the most efficient use of Con Edison manpower, and will directly support the reduction of the exposure related to equipment failures, minimizing potential outages. Additionally, Con Edison's Co-Op program is a career related educational program to help students get job experience before they graduate. A portion of their time is also spent working with engineers so they gain an understanding of an engineering working environment. This practical training is good exposure and helps students obtain jobs after they graduate from college.

These Co-op students are often selected for our GOLD program (Entry level Management Engineering training program), transferring their knowledge of equipment to first line field supervisory and regional engineering positions.

Company Name: Con Edison
Case Description:
Case: 08-E-0539

Response to DPS Interrogatories – Set DPS15
Date of Response: 07/11/2008
Responding Witness: Infrastructure Investment Panel

Question No. :222.6
Subject: Process Improvement – Co-Ops - Identify the existing O&M elements of cost that would be reduced as result of implementing the proposed process improvement program. Provide the specific amount of reduction by O&M element of cost and a reference to where those reductions are reflected in the company's rate case filing.

Response:

This program is aimed at providing the resources to improve the system safety associated with distribution equipment by supporting the Transformer Failure Mitigation Program, and facilitating NYCDOT permits for transformer vaults, and providing real world engineering work place experience in an effort to aid the development of college engineering students. The co-op students are selected from local universities, which further the Company's ties to local communities. There are no O&M cost reductions anticipated or foreseeable from the implementation of this program.

Company Name: Con Edison
Case Description:
Case: 08-E-0539

Response to DPS Interrogatories – Set DPS15
Date of Response: 07/10/2008
Responding Witness: Infrastructure Investment Panel

Question No. :226
Subject: Advanced Technology – Distribution Simulator 1. Provide an itemized breakdown of how the funding for each year was derived. 2. Provide the actual historical cost of this program broken down in the same manner as part 1 of this question. 3. What progress has been made under this program to-date?

Response:
1. Funding ($1000):
   RYE 2010 - 0
   RYE 2011 - 0
   RYE 2012 - 2,000

Funding request for this project starts in 2012, at which time; the Company would embark on a Phase Zero Study, performed by outside consultants, at an estimated cost of $2 million primarily for contractors (at this time, we estimate that of the $2 million for the Phase Zero study, $250,000 would be for Company labor and $200,000 for software and hardware.) The Phase Zero study is expected to include the following:

- Analyze equipment control systems, electric system models and Control Center processes and procedures that will need to be duplicated to create a full distribution system simulator
- Identify the numerous IT systems that may need to be modified
- Create a development timeline and engineering scope cost estimate

2-3. This is a new program scheduled to commence in 2012.

Company Name: Con Edison
Case Description:
Case: 08-E-0539

Response to DPS Interrogatories – Set DPS15
Date of Response: 07/08/2008
Responding Witness: Infrastructure Investment Panel

Question No. :228.1
Subject: Advanced Technology – Secondary Monitoring (Secondary Model Validation) -Provide an itemized breakdown of how the funding for each year was derived.

Response:

Year	2009	2010	2011
Accounts Payable (Material & Testing)	$2,509,775	$2,509,775	$3,764,663
Labor (Field Installations)	$588,000	$588,000	$882,000
Indirects	$60,000	$60,000	$90,000
Overheads (Engineering Support, Meter & Testing, Application Development, Contingency)	$842,225	$842,225	$1,263,338
Total	$4,000,000	$4,000,000	$6,000,000

Company Name: Con Edison
Case Description:
Case: 08-E-0539

Response to DPS Interrogatories – Set DPS15
Date of Response: 07/08/2008
Responding Witness: Infrastructure Investment Panel

Question No. :228.2
Subject: Advanced Technology – Secondary Monitoring (Secondary Model Validation) -Provide the actual historical cost to-date, broken down in the same manner as part 1 of this question.

Response:

Year	2007
Accounts Payable (Material & Testing)	$306,639
Labor (Pre-Fielding)	$48,186
Indirects	$15,589
Overheads (Engineering Support, Meter & Testing)	$40,705
Total	$411,119

In 2007, the Company purchased 115 secondary monitoring units at average cost of $3575 per unit for a total of $411,119. The 2007 historical costs do not reflect the cost of installation as the units were installed in 2008. In 2008, the Company installed 93 units for an actual cost of $146,603 as of May 2008. The average installation cost per unit is $1576. Based on the year-to-date 2008 installation costs and historical 2007 costs for the program, the total average cost per unit is $5151.

In 2009 the Company is planning to install 500 units for $4 Million at an estimated $8000 per unit. The increase in the estimated cost per unit is based on the additional functionalities that are being added to the secondary monitoring unit such as gaseous detector for underground facilities, secondary voltage sag, secondary harmonics measurements and transients. In addition the estimated $8000 cost per unit also reflects the increased overhead costs associated with the more than four-fold increase in the scope of installation work.

Company Name: Con Edison
Case Description:
Case: 08-E-0539

Response to DPS Interrogatories – Set DPS15
Date of Response: 07/08/2008
Responding Witness: Infrastructure Investment Panel

Question No. :228.3
Subject: Advanced Technology – Secondary Monitoring (Secondary Model Validation) -Provide the work schedule breaking down when each of the major steps will be done.

Response:

Please see below the estimated schedule for major steps along the project. These are subject to change.

Year	2009	2010	2011
Material Purchase & Testing	January - June	January - June	January - June
Meter Shop Programming	February - July	February - July	February - July
Field Installations	March - August	March - August	March - August
Data Collection & Validation	June - September	June - September	June - September
Application Development	January - June	January - June	January - June

Company Name: Con Edison
Case Description:
Case: 08-E-0539

Response to DPS Interrogatories – Set DPS15
Date of Response: 07/08/2008
Responding Witness: Infrastructure Investment Panel

Question No. :228.4
Subject: Advanced Technology – Secondary Monitoring (Secondary Model Validation) -What will be the basis for determining where to install the secondary monitoring devices?

Response:

The goal of the project is to validate the load flows from the network secondary models. The secondary units will be installed at strategic locations across the seven networks. The seven networks will be chosen to represent the various complexities of our distribution system such as system composition (network, radial, 4kV), network size, and load distribution (residential and commercial customers). In addition, the networks will be chosen from the lowest ranked group of networks as indicated by the Network Reliability Index after considering the planned improvements in the 10 Year Load Relief Plan and the conventional opportunities (such as feeder de-bifurcation, sectionalizing switches and available feeder positions) available for increasing network reliability. The seven networks represent the minimum number of networks that are entirely representative of the load distribution, system composition and topology (for secondary monitoring communication) of the total 60 networks.

Company Name: Con Edison
Case Description:
Case: 08-E-0539

Response to DPS Interrogatories – Set DPS15
Date of Response: 07/08/2008
Responding Witness: Infrastructure Investment Panel

Question No. :228.5
Subject: Advanced Technology – Secondary Monitoring (Secondary Model Validation) - Specifically where will these devices be placed (i.e.: inside manhole, at the side of a transformer vault, etc.)?

Response:

These devices are currently limited to inside manhole and transformer vault locations due to the installation of the external antenna required for communication as well as the size of the NEMA 6 enclosure.

Company Name: Con Edison
Case Description:
Case: 08-E-0539

Response to DPS Interrogatories – Set DPS15
Date of Response: 07/08/2008
Responding Witness: Infrastructure Investment Panel

Question No. :228.6
Subject: Advanced Technology – Secondary Monitoring (Secondary Model Validation) -Will this device be installed in all networks? If not, why?

Response:

See response to Q 228.4

Company Name: Con Edison
Case Description:
Case: 08-E-0539

Response to DPS Interrogatories – Set DPS15
Date of Response: 07/08/2008
Responding Witness: Infrastructure Investment Panel

Question No. :228.7
Subject: Advanced Technology – Secondary Monitoring (Secondary Model Validation) - How was it determined that 3,500 devices were needed?

Response:

An estimated minimum of 500 secondary monitoring devices are required for the largest distribution networks based on their load density and the secondary load flows. The Company used this estimate to scale the total for the seven networks that will be selected for the full scale deployment.

Company Name: Con Edison
Case Description:
Case: 08-E-0539

Response to DPS Interrogatories – Set DPS15
Date of Response: 07/08/2008
Responding Witness: Infrastructure Investment Panel

Question No. :228.8
Subject: Advanced Technology – Secondary Monitoring (Secondary Model Validation) - What progress has been made under this program to-date?

Response:

As of May 2008, the Company has installed 93 secondary monitoring units in the Sutton Network where the technology is being piloted to validate the secondary model peak load flows. The initial installation process required pre-fielding all the locations to establish signal strength for communication, room for installation and ease of access. We initially selected over 150 locations for secondary monitoring that were reduced to 93 based on the elimination process developed during pre-fielding and has significantly impacted the progress of the project and slowed the installations.

We have been successful in establishing reliable communication through majority of the underground facilities. 88 of the 93 units installed have been reliably communicating at five minute intervals from the date of installation. We have initiated load flow analysis to compare the load flows from the models against the actual load profiles from measured location. Based on the preliminary data analysis, we have identified the most appropriate locations for secondary monitoring and developed a data validation process. We have identified various areas for improvement based on the improved processes and are scheduling revisits to certain locations to improve the accuracy of the data being recorded at field locations.

Company Name: Con Edison
Case Description:
Case: 08-E-0539

Response to DPS Interrogatories – Set DPS15
Date of Response: 07/08/2008
Responding Witness: Infrastructure Investment Panel

Question No. :228.9
Subject: Advanced Technology – Secondary Monitoring (Secondary Model Validation) - Describe the process for determining that this program will be cost efficient and the process and plans to verify cost effectiveness?

Response:

The secondary monitoring data will provide a better estimate of customer coincident demand during peak summer days for use in validating the Company's secondary network models system wide. The approach will use identification and assessment of inconsistencies between secondary model load flow simulation results and near real time secondary monitoring data. The validated secondary models will provide both planning and real time applications through improved secondary network loading calculations and identification of portions of the secondary network that are out of service or faulted. The validated secondary models shall be used to estimate the loading at each network transformer as a function of time and temperature variable.

The Company has chosen to install these units in only seven of our 60 networks that are most representative of all the challenges that are required to be addressed for secondary model validation. This is the most cost effective approach as at this scale we will have sufficient data for secondary model validation eliminating the need to invest additional resources to monitor the entire system. In addition the Company shall purchase all the materials through the competitive bidding process to ensure the lowest cost.

Company Name: Con Edison
Case Description:
Case: 08-E-0539

Response to DPS Interrogatories – Set DPS15
Date of Response: 07/11/2008
Responding Witness: Infrastructure Investment Panel

Question No. :229
Subject: Advanced Technology – Distribution Engineering Workstation (DEW) 1. Provide an itemized breakdown of how the funding for each year was derived. 2. Provide the actual historical cost to-date, broken down in the same manner as part 1 of this question. 3. Provide the work schedule breaking down when each network will be completed. 4. Provide a data flow chart illustrating: a. type of data entered into DEW; b. where DEW gains this input data; c. what output data DEW provides; d. who uses the output information; and e. for what reasons are the output data used. 5. Describe the process for determining that this program will be cost efficient and the process and plans to verify cost effectiveness?

Response:
1. Provide an itemized breakdown of how the funding for each year was derived.

In 2007, we worked with EDD to manually build DEW models of Staten Island and of the Sutton Network in Manhattan. These models are currently being validated. A DEW circuit builder is under development to automate the modeling process. Interfaces between the various Con Edison information systems and the new DEW circuit builder for EDFIS and Vision are also in development in 2008.

The funding support was derived based on our experience working with EDD to develop the Staten Island model and Sutton underground network model. During 2009-2012, we are planning to build 8-10 networks in the DEW model depending on the complexity of the model. Our current estimate for the average cost per DEW model of a network is approximately $250-$300k per network depending on the complexity of the network. This estimate does not include the validation cost if additional validation meters are required to be installed in the field.

	2009	2010	2011	2012
Labor	$480	$480	$480	$480
M&S	0	0	0	0
A/P Others	1,920	1,920	1,920	1,920
Indirect	100	100	100	100
Total	**$2,500**	**$2,500**	**$2,500**	**$2,500**

2. Provide the actual historical cost to-date, broken down in the same manner as part 1 of this question.

	2005	2006	2007
Labor	0.00	56,863.90	405,122.24
M&S	0.00	3,375.35	0.00
A/P			
Others	0.00	986,739.20	1,347,038.98
Indirect	0.00	39,235.75	76,916.50
Total	**0.00**	**1,086,214.20**	**1,829,077.72**

We have spent $2.9 mil to develop in DEW model building effort and validation effort.

3. Provide the work schedule breaking down when each network will be completed.

During 2009-2012, we are planning to build 8-10 networks in the DEW model depending on the complexity of the model. Our current plan is to align the model building schedule with Jeopardy ranking; we are also considering paralleling this project with the Secondary Visualization Model (SVM) project. Since major data cleansing of the connectivity data is required to support the SVM project, synergy may be derived by using the cleaned data from SVM to upload to the DEW model.

4. Provide a data flow chart illustrating:

A type of data entered into DEW;

The data entered into DEW is comprised of existing mapping databases (connectivity between components, type, ratings if available, etc), manual entry of ratings and other electrical characteristics, data from SCADA systems such as Unit Substation Automation and Remote Monitoring System, e.g., amperage, voltage, kilowatts, station breaker status, CUFLINK data (customer loads at service points), customer load profiles.

B. where DEW gains this input data;

DEW gains this input from existing company resources such as our various mapping databases, SCADA systems, Customer Information systems, manual entries and it can input external sources such as weather or other statistical data that affect the transmission and distribution system.

C. what output data DEW provides;

DEW has the ability to analyze Single Phase and Three Phase systems. It also has the ability to interlink different levels of the system for complete system analysis from transmission through distribution, and up to the customer service point. It will also indicate loop conditions in the systems.

Power Flow Analysis Provides:
Primary Voltage Magnitude, Customer Voltage, Voltage Phase Angle, Current Magnitude, Power Flow Direction, KW, KVA KVAR, Power Factor, Component Capacity, Component Rating, Directional Amp Flow, Line to Line Voltage.

Network Fault Analysis:

Max Phase Fault Amps, Min Phase Fault Amps, Bolted 3-Ph Amps, Non-bolted 3-Ph Amps, Bolted 1-Ph to Ground Amps, Non-bolted 1-Ph to Ground Amps, Phase to Phase Fault Amps, Positive Sequence Thevenin Impedance Ohms, Zero Seq Thev Impedance, Ohms, Voltage During Fault for specific 1-Phase, 3-Phase, Phase to Phase, Phase to Ground.

Contingency Analysis:
Evaluates the different contingency scenarios with existing loads and determines overload conditions in a prioritized order. Provides Current Magnitude, Current Phase Angle, Power Flow Through Components and Reactive Power Flow Through Components.

D. who uses the output information; and

The output information can be used by various departments such as Engineering, Control Center and Energy Services.

E. for what reasons are the output data used.

Engineering can use the output to determine and prioritize system upgrades and load relief projects, determine best design alternatives, review system deficiencies, determine system capacity for new customers.

The Control Center can use the output during emergency situations to determine switch operations, maximize load pickup to minimize customer impact during outages, minimize load drops to avoid system over load, visualize customer load distribution during an event to better assess resources.

5. Describe the process for determining that this program will be cost efficient and the process and plans to verify cost effectiveness?

We are currently in the initial phase to model our circuits; the next phase is to validate the model. After validation is completed by Distribution Engineering, the DEW model will be used to more accurately identify locations for transformer replacement, balancing the load and minimizing the losses, particularly in Staten Island and Westchester, which they currently do not have a load flow model.

Company Name: Con Edison
Case Description:
Case: 08-E-0539

Response to DPS Interrogatories – Set DPS15
Date of Response: 07/15/2008
Responding Witness: Infrastructure Investment Panel

Question No. :244
Subject: Advanced Technology – Electric Distribution Control Center Upgrades - 1. Provide an itemized breakdown of how the funding for each year was derived. 2. Provide the actual historical cost to-date, broken down in the same manner as part 1 of this question. 3. Provide the annual work schedule breaking down when work under each phase will be completed. 4. What progress has been made under this program to-date? 5. Describe the process for determining that this program will be cost efficient and the process and plans to verify cost effectiveness?

Response:

1. Provide an itemized breakdown of how the funding for each year was derived.

Phase Zero: 2008	**- Estimated Development Costs:**	**$ 500,000**
	Estimated Infrastructure Costs:	**$ 500,000**
	Estimated Hardware Costs:	**$ 1,000,000**

- Review design and engineering standards used in the RMS application and its associated applications, such as Alarm Manager, ENS, and Feeder Scan etc.
- Review data output generation to multiple applications.
- Review current network architecture and redesign for implementation of a private "Control Center to Control Center" network segment. This segment will consist of a "Gigabit Fiber Optic" infrastructure.
- Review and upgrade systems "as required" due to obsolescence. Review infrastructure to consolidate systems into a "virtual server" environment, to minimize physical servers.
- Based on engineering review, purchase Lab environment to simulate newly defined architecture

Phase One: 2008/2010 -	**Estimated Infrastructure Costs:**	**$ 1,000,000**
	Estimated Software/License Costs:	**$ 2,000,000**
	Estimated Development Costs:	**$ 1,000,000**

- Purchase and implement new network design to include "Gigabit Fiber Optic" infrastructure.

- Migrate or re-write the RMS and associated applications to new design and test in Lab.
- Migrate engineering applications such as Visual WOLF, AutoWOLF, and WinPVL to the new platform.

Phase Two: 2009/2011 - Estimated Hardware Costs: $ 7,000,000

- Purchase and implement new system environment into production
- Retire existing systems as new environment is implemented – Reduction in annual O&M costs

Funding ($000)

2008	2009	2010	2011	2008-2011
3,000	4,000	4,000	2,000	13,000

2. Provide the actual historical cost to-date, broken down in the same manner as part 1 of this question.

Not applicable as project commenced in 2008.

3. Provide the annual work schedule breaking down when work under each phase will be completed.

See Item #1

4. What progress has been made under this program to-date?

Pre-planning for cost analysis has been completed.

5. Describe the process for determining that this program will be cost efficient and the process and plans to verify cost effectiveness?

To be provided.

Company Name: Con Edison
Case Description:
Case: 08-E-0539

Response to DPS Interrogatories – Set DPS15
Date of Response: 07/21/2008
Responding Witness:

Question No. :244.5
Subject: Advanced Technology – Electric Distribution Control Center Upgrades - Describe the process for determining that this program will be cost efficient and the process and plans to verify cost effectiveness?

Response:
The benefit of the Electric Distribution Control Center Upgrades will be to utilize the latest in network, system and application technologies. These changes are required to keep up with the latest demands on Con Edison's Electric Distribution System. Due to increasing energy demands and new substations and electric networks that will be built over the next few years, streamlined data management, ease of application use, and presentation quality will be critical in managing operations in this expanding environment. This, and the ever increasing need for prompt outage avoidance and remediation, demand better analytical tools. New visual displays and analytical systems are being developed and need to be integrated into the operator's environment. In addition, new technologies need to be instituted in the network and system infrastructure to allow for further High Availability/Reliability design. This will provide flexibility for future demands.

The Electric Distribution Control Center Upgrades will be managed through the appropriation process as defined in *CI 610-1 Capital Budget Process.* The appropriation process defines and tracks program cost efficiency and effectiveness through several steps. In the inception of the appropriation process, a project scope, budget and schedule are developed to frame a comprehensive plan for the program. This plan is approved by the appropriate level of management in accordance to corporate instruction *CI 000-1Delegation of Authority*, and a project owner is assigned to manage progress and complete progress milestones within the allotted budget. The progress of the program is continually assessed at these various milestones, and its effectiveness is re-evaluated if any significant changes in scope or cost will require project re-appropriation. Cost overruns, in excess of the contingency defined in the initial appropriation, are evaluated with the appropriate level of management in the re-appropriation process to determine if the project remains viable and cost effective. The evaluation of the milestones of the program will also verify that the benefits identified at inception of the Electric Distribution Control Center Upgrades are being achieved as planned.

STAFF IR DPS-287

REDACTED

(338 pages)

STAFF IR DPS-288

REDACTED

(15 pages)

Company Name: Con Edison
Case Description:
Case: 08-E-0539

Response to DPS Interrogatories – Set DPS18
Date of Response: 07/10/2008
Responding Witness: Infrastructure Investment Panel

Question No. :290
Subject: Electric Operations – Quality Assurance - Provide cost savings associated with no longer having other organizations involved in quality assurance work with the advent of the centralized Quality Assurance group as described in Exhibit IIP 18, pages 18-20.

Response:

There is no net cost savings associated with centralization of quality assurance work. The work and associated budget slots were internally transferred within the Electric Operations business unit. The staffing request, which was approved in the Commission's recently issued order and included in this rate filing since these costs were not incurred in the historic year, is for the new staffing level of this central organization, net of the internally transferred budget slots.

Centralization of this function allows for a uniform approach to quality reviews, including findings, lessons learned, and post incident reviews are consistent throughout Electric Operations.

Company Name: Con Edison
Case Description:
Case: 08-E-0539

Response to DPS Interrogatories – Set DPS19
Date of Response: 07/11/2008
Responding Witness: Emergency Management

Question No. :293
1. Provide the Organization charts for Corporate Emergency Management, Electric Operations Emergency Management, and the Orange & Rockland Emergency Management as of January 1, 2007 and January 1, 2008. Include all personnel from top to bottom. 2. Provide the title, salaries, job description, and duties for each personnel within Corporate Emergency Management and Orange & Rockland Emergency Management Organizations for the two periods requested above. 3. Quantify the synergy savings in terms of cost from combining the three organizations. What other value-added benefits did the Company gained?

Response:

1. The Organizations requested for January 2007 and 2008, which include all personnel from top to bottom are attached. It should be noted that the current organization chart for Emergency Management, which was centralized in Spring of 2008, is included in Exhibit __ (EMP-6).

2. **Job descriptions:**

   Corporate Emergency Management:
   The position guides for the Project Manager and Business Continuity positions are included as attachments. There is no position guide for the Vice President of Corporate Emergency Management.

   Orange and Rockland Emergency Management:
   Section Manager Emergency Preparedness
   Primary Function:
   Under the general supervision of the Director - Electric Operations, the individual is responsible for the coordination and maintenance of comprehensive emergency plans for corporate response and recovery, the electrical system and the gas system. The individual is responsible to optimize the Company's response to incidents requiring the utilization of the emergency plans and pro-actively updating the plans to ensure a proper and appropriate response strategy is used and resources are allocated correctly to the restoration and emergency incidents. The individual shall direct and guide other individuals engage in restoration and emergency incidents and response.

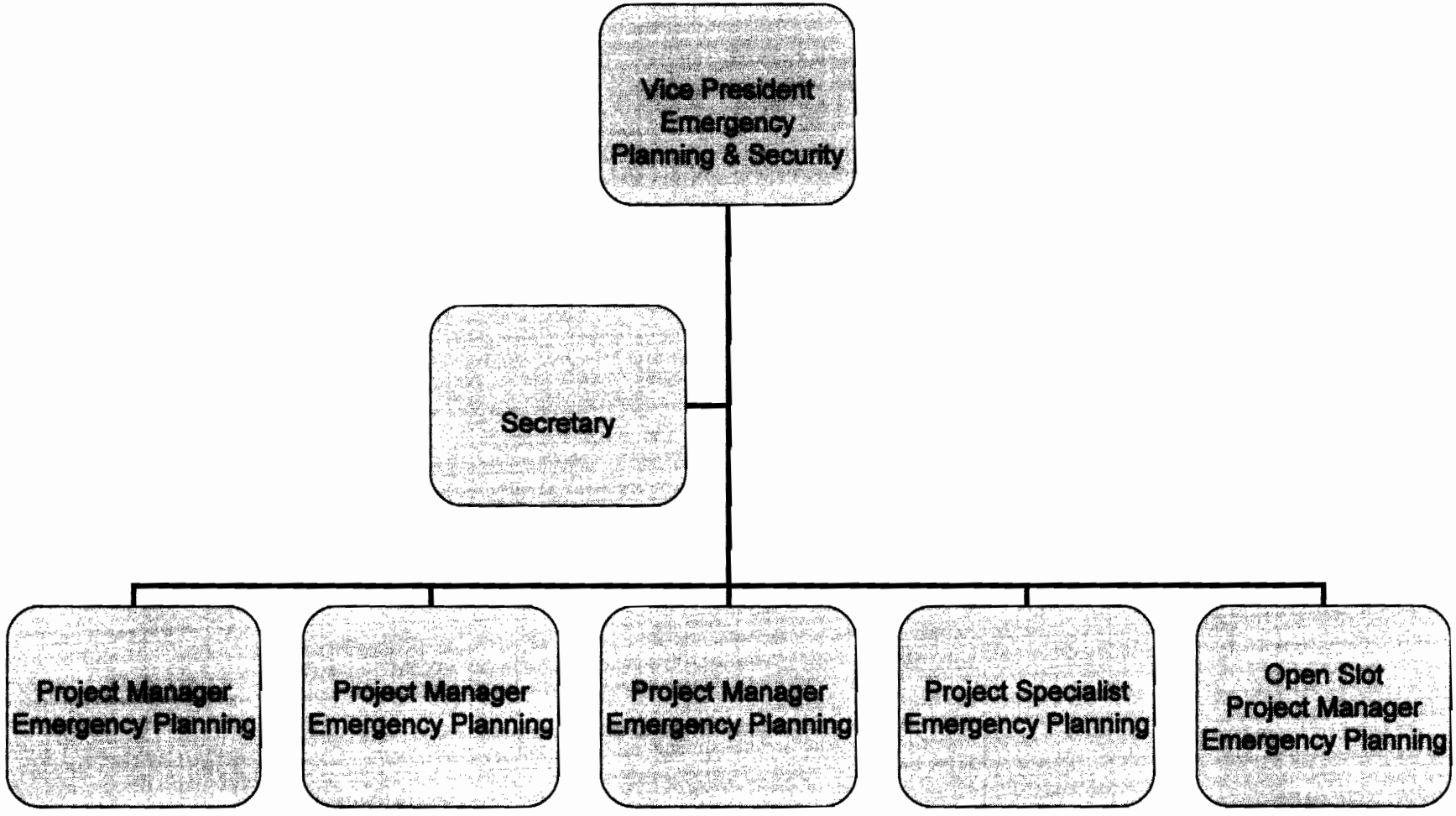
Senior Specialist Emergency Preparedness
Primary Function:
Under the general supervision of the Emergency Preparedness Manager the individual is responsible for the coordination and maintenance of comprehensive emergency plans for corporate response and recovery, the electrical system and the gas system. The individual is responsible to optimize the Company's response to incidents requiring the utilization of the emergency plans and pro-actively updating the plans to ensure a proper and appropriate response strategy is used and resources are allocated correctly to the restoration and emergency incidents

The average 2008 salary for the Corporate Emergency Management Project Manager position is $117,250 and a Project Specialist is $107,150.

The average 2008 salary for the Orange and Rockland Section Manager is $117,250 and a Senior Specialist is $94,050.

3. Please see the response to DPS 48. In DPS 48, the Company noted that there would be limited synergies as a result of the centralization of the emergency management organizations. In terms of dollars, this centralization enabled the Company to avoid the need for one-quarter of a full time equivalent position for the business continuity area which equates to an avoided cost of approximately $23,000 for a senior specialist position. The Company reflected this avoided cost in its filing. The benefits realized through the centralization are focused on standardization and a focused and consistent execution of the Corporate Emergency Management Strategy.

Corporate Emergency Management – January 1, 2007



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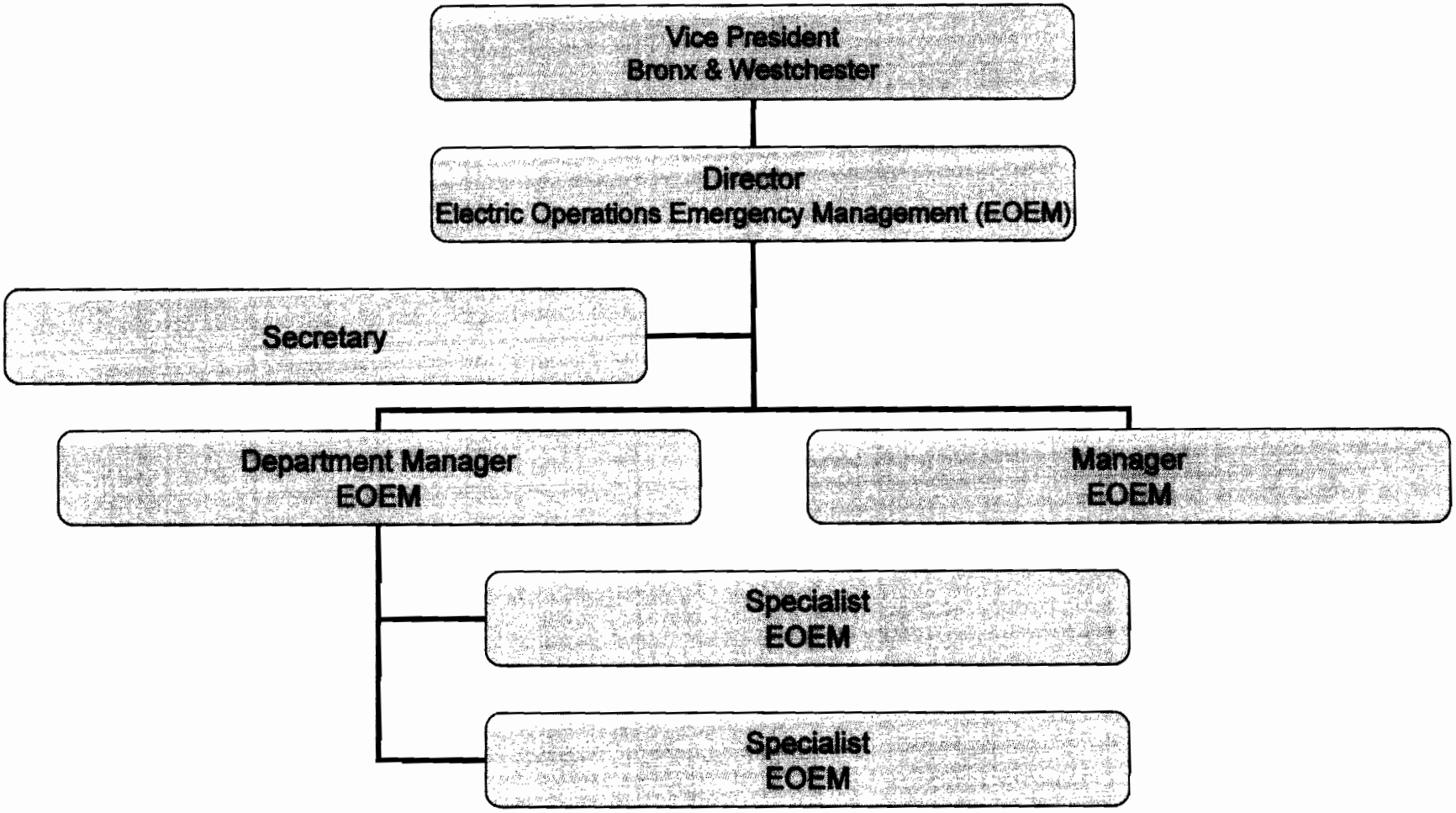
Electric Operations Emergency Management – January 1, 2007



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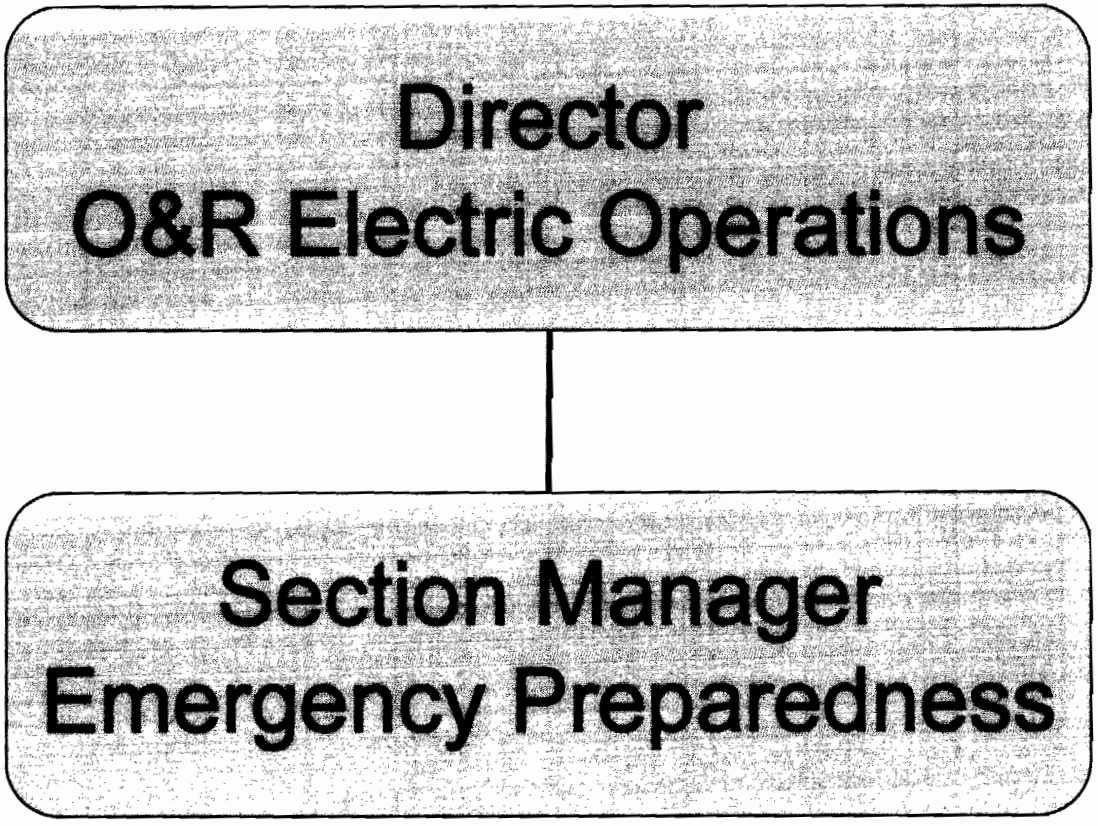
Orange & Rockland Emergency Management – January 1, 2007



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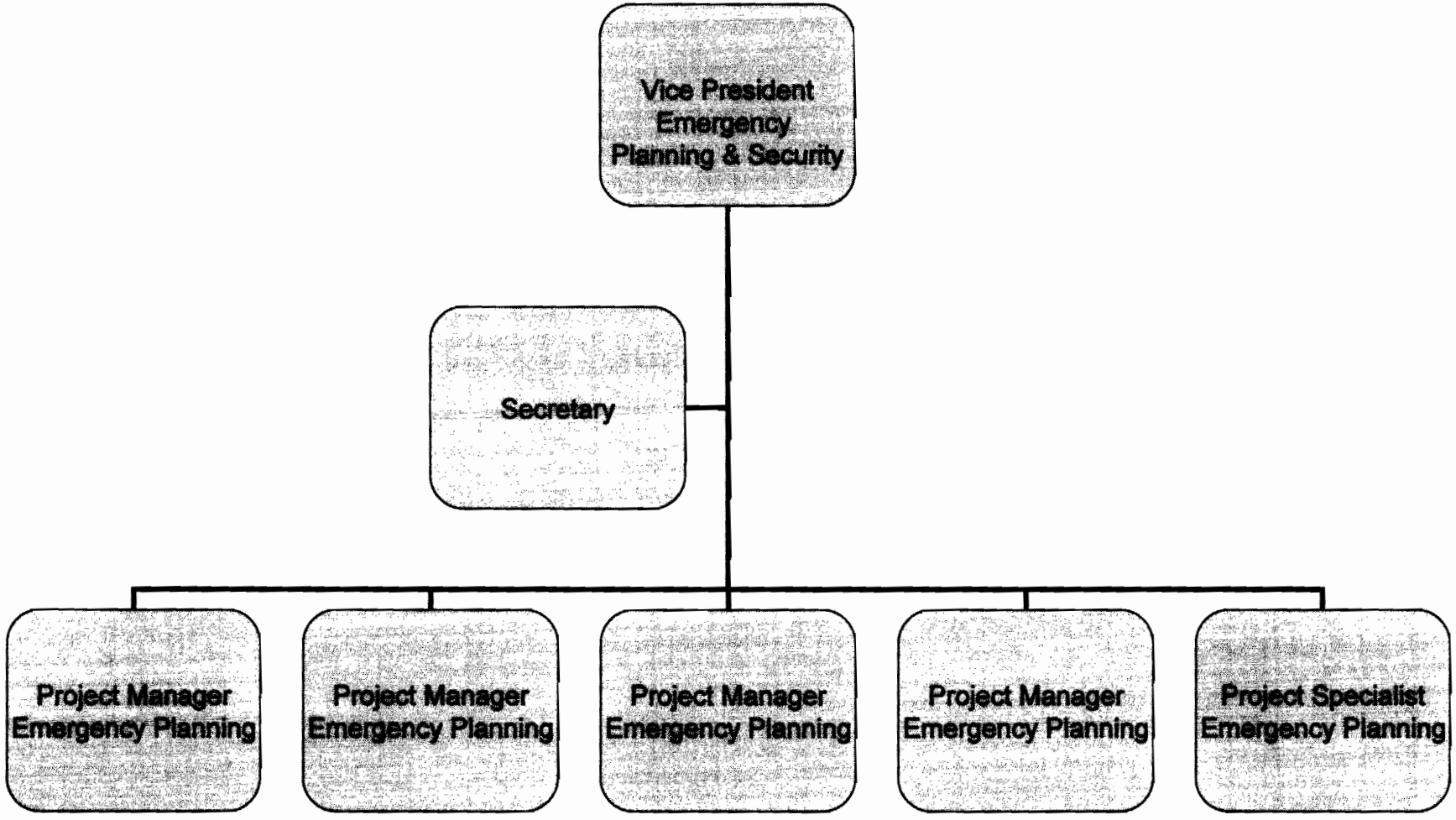
Corporate Emergency Management – January 1, 2008



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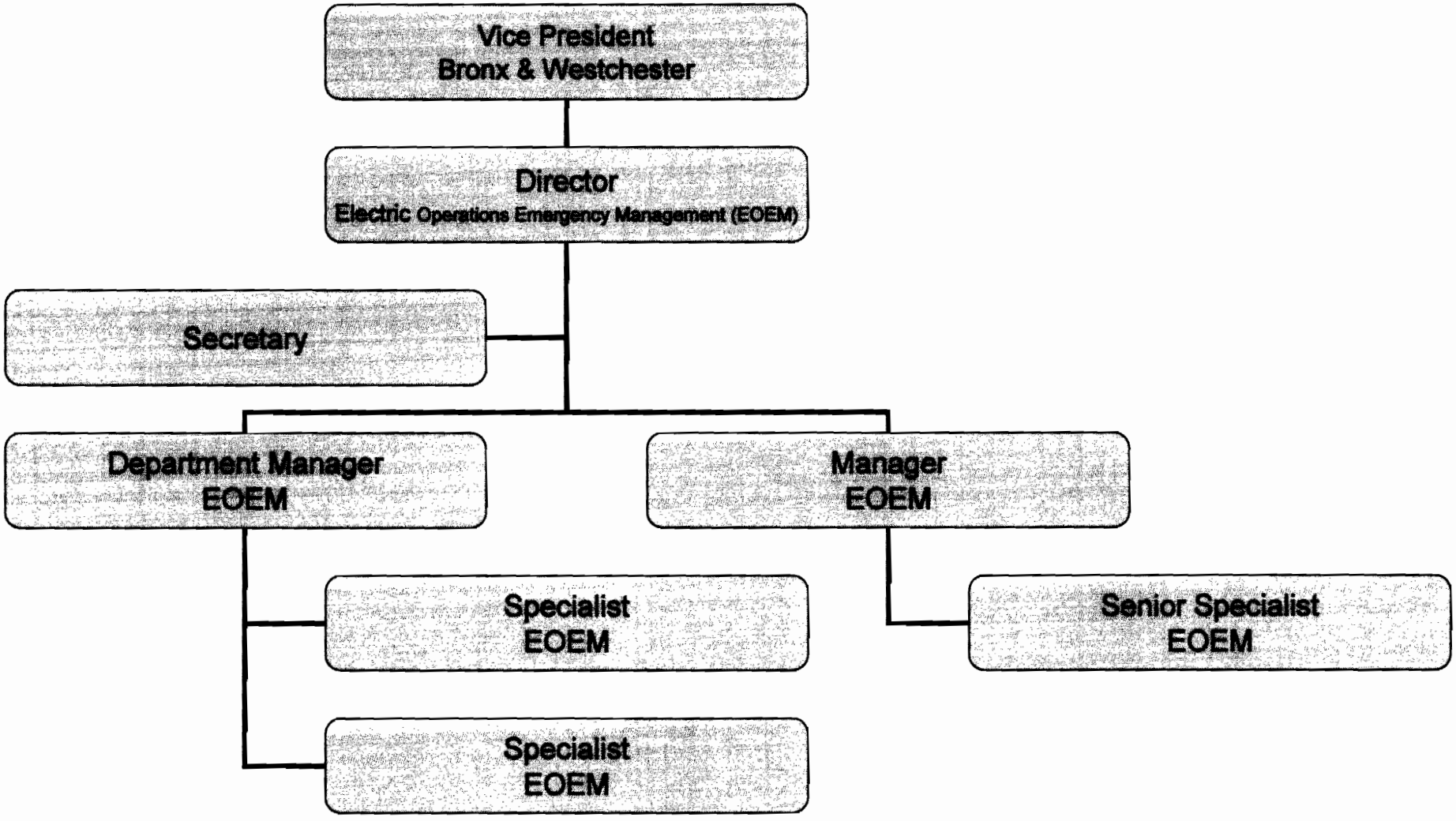
Electric Operations Emergency Management – January 1, 2008



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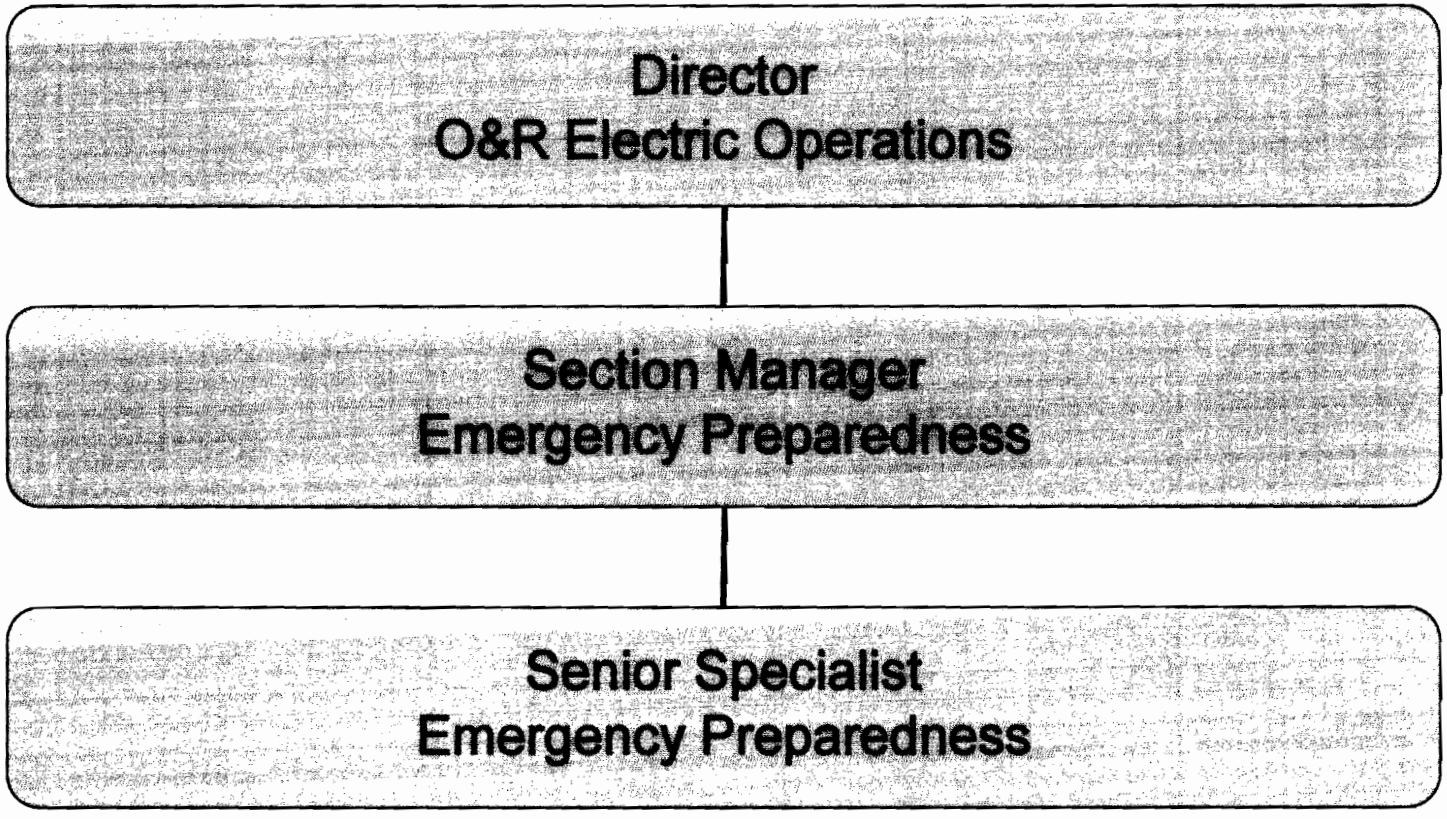
Orange & Rockland Emergency Management – January 1, 2008



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CON
EDISON POSITION GUIDE

Position Title:	Project Manager (3L)	Position Code:	06031
Organization:	Corporate Emergency Planning	Effective Date:	1/1/08
Location:	4 Irving Place	Payroll Code:	93398
Reports to:	Vice President, Corporate Emergency Planning POSITION TITLE		

PURPOSE: (Summarize the prime function of this position, its basic objectives and why the position is needed as a contribution to the success of the Company.)

Corporate Emergency Planning is seeking a candidate to manage the Company's business continuity program. In this highly visible position, this candidate will be integral in developing and leading processes and initiatives vital to the success of corporate-wide business continuity program.

Provide support to the VP of Corporate Emergency Planning by identifying strategies required to support business continuity planning activities. This position will provide advice and counsel in the development of comprehensive departmental and corporate business continuity plans. This position will enhance corporate efficiency by developing a standard approach to business continuity planning efforts.

MAJOR RESPONSIBILITIES: (Only Major duties of a contributing nature should be listed and described here.)

1. Number of people supervised: Directly: Mgmt. 1 Indirectly: Mgmt. _____

   (if none, state "None") Weekly _____ Weekly _____

2. Ensures implementation of Company safety, health and environmental programs for employees whose work is directed. Ensures that safe work practices are followed and the environment is fully protected in accordance with Company policy and governmental regulations.

3. This position will lead the company's business continuity planning efforts at selected company critical facilities.

4. Provide guidance as a subject matter expert to vice presidents, general managers, and department coordinators in the development and maintenance of their business continuity plans.

5. Responsible for the design, development, and evaluation of business continuity drills and exercises; this includes conducting after action reviews and critiques of exercises and live events.

6. Develop an education program that introduces the business continuity process to Con Edison employees; this includes the design and development of education materials.

7. Lead the company in benchmarking Con Edison's business continuity program with other companies and utilities.

8. Ensure departments' conduct annual maintenance of business continuity plans.

9. Manage the company's pandemic flu preparedness efforts and chair the Company's pandemic flu team.

10. Support the liaison function of Emergency Planning during Corporate Emergency Response Center activations.

11. Lead role in the company's crisis management plan development activities.

12. Manage the ongoing coordination and plan development for corporate relocation planning efforts.

13. Represent Emergency Planning as a member of a cross-functional project team assembled to develop plans, training, or new business process following exercises or other types of events.

14. Reinforce company's commitment to the Incident Command System (ICS).

15. Promote a team spirit work environment in support of Con Edison's Corporate Values and Mission.

Prepared by:	Susan Diehl	Project Specialist	SD	1/3/2008
	Name (type or Print)	Title	Initials	Date
Reviewed by::	George Greenwood	VP, Corporate Emergency Planning	GG	1/3/2008
	Name (type or Print)	Title	Initials	Date
Concurred:				2/7/08
	Compensation			Date
Periodic Review				
	Date	Date		Date

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MAJOR RESPONSIBILITIES: ***(continued)***

Organizational Structure:

Incumbent Reports to	Position Title:	Vice President, Corporate Emergency Planning
Incumbent (this Position Title)	Position Title:	Project Manager
List of Titles of those directly reporting to incumbent	Position Titles:	Project Specialist

EMPLOYEE SPECIFICATIONS (To do this job)

Education - Essential

- Bachelor's Degree required – Master's Degree preferred
- Business Continuity Certification required (CBCP or MBCP from DRII)

Experience - (Discuss type and depth of experience)

- Ten years of work experience, with a minimum of 5 to 7 years of experience in business continuity planning is required.
- Expertise deep enough to be considered the Subject Matter Expert will be a defining factor in the selection process
- Significant ability to lead, participate in, and manage teams will be necessary for the successful candidate to demonstrate during the selection process.

CON EDISON POSITION GUIDE

Position Title: Project Manager Position Code: 6031

Organization: Emergency Management Effective Date: October 1, 2005

Location: 4 Irving Place Payroll Code: _____

Reports to: Vice President Emergency Management
POSITION TITLE

PURPOSE: (Summarize the prime function of this position, its basic objectives and why the position is needed as a contribution to the success of the Company.)

Facilitate the Company's preparation and response to incidents throughout the system under the nationally accepted Incident Command System (ICS), based on management by objective and described in Corporate Instruction CI-260-4, "Corporate Response to Incidents and Emergencies." Play a major role in the development of emergency plans including natural disaster; crisis management and corporate business continuity plans. Act as a company liaison to government agencies for emergency planning activities, planned major work and during field incidents.

MAJOR RESPONSIBILITIES: (Only Major duties of a contributing nature should be listed and described here.)

1)Number of people supervised: Directly: Mgmt. None Indirectly: Mgmt. 0

(if none, state "None") Weekly None
Weekly None

2) Ensures implementation of Company safety, health and environmental programs. Ensures that safe work practices are followed and the environment is fully protected in accordance with Company policy and governmental regulations.

3) Act as a liaison to the New York City Office of Emergency Management (OEM), NYPD, FDNY, NYCDOT, NYCDOB, FEMA, SEMO and the Westchester Office of Emergency Services along with other agencies during Company caused/involved incidents ranging in severity from routine work to full-scale corporate emergencies. During non-emergency periods, work with these agencies on manmade and natural disaster emergency planning, company field activities with potential impacts on citizens and special projects/concerns.

4) Work to assure company procedures, internal communications and management actions include the ICS process for all incident responses.

5) Working with TLC staff review and modify ICS eLearning & classroom course content with the goal of producing relevant, timely and quality instruction beneficial to individuals filling incident response and support positions under ICS.

6) Assure incident response is appropriate based on the size and severity of the

Redacted

emergency as defined by CI-260-4 classification tables.

7) Develop and publish monthly staffing schedules for a full-scale emergency including an organization chart, phone list, position guides and ICS forms.

8) Help establish ICS/Emergency Management experts from the bottom up to help organizations respond to "upgraded" and "serious" incidents. Assist as a member of established Incident Management Assist Teams (IMAT) providing part-time support at "serious" and "full-scale" incidents.

9) Assist in the development and execution of drills as well as conduct after action reviews (critiques) to help assure they challenge employees from the point of notification to the repair and ultimate recovery from a scenario-based problem. Drills must also include achievable objectives and communications (both internal and external) by the Company. Drills will be followed by after action reviews highlighting successes and areas of improvement. Real events of "serious" and "full-scale" level must go through a similar after action review process. Assist in the development of annual full-scale corporate emergency exercises. Assist in development of courses aimed at external agencies to educate them on company activities.

10) Continue benchmarking other emergency management organizations and increase our presence in local and national associations and conferences for EM/EP professionals.

11) Address issues such as the Company's business continuity plans, emergency planning for natural disasters such as hurricanes, security of Company facilities and building evacuation planning.

12) May perform other related assignments as appropriate including being delegated as VP, Emergency Management in his absence.

13) Assist in chairing Emergency Management Ad-hoc interdepartmental committee meetings setup to achieve specific company goals.

14) Participate in crisis management plan development activities.

Prepared by	James Kerr NAME (Type or Print)	Project Manager TITLE	INITIALS	30 Sep 05 DATE
Reviewed by	George Greenwood NAME (Type or Print)	Vice President TITLE	INITIALS	9/30/05 DATE
Concurred	George Rhust COMPENSATION			10/5/05 DATE
Periodic Review:	DATE	DATE	DATE	

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POSITION GUIDE - MAJOR RESPONSIBILITIES ***(continued)***

ORGANIZATION STRUCTURE

Incumbent Reports to: Vice President
POSITION TITLE

Incumbent (this Position Title): Project Manager
POSITION TITLE

List of Titles of those reporting directly to incumbent:

NONE
POSITION TITLE

POSITION TITLE

EMPLOYEE SPECIFICATIONS (To do this job)

Education - Essential

A Bachelor's degree in Engineering or Applied Science is required.

Experience - (Discuss type and depth of experience)

Must have a minimum of 3 years of relevant work experience in Emergency Management including interaction with constituents external to the Company *and/or*

A minimum of 3 years in developing, organizing and conducting drills to test the readiness of Electric, Gas, Steam, Substations or other operational departments including developing scenarios, timeliness and inserted messages *and*

At a minimum of 3 years of operational experience in Electric, Gas, Steam or Substation Systems including responding to field emergencies as a first responder.

Must possess good oral/written communications, presentation and strong interpersonal skills.

CON
EDISON POSITION GUIDE - Draft

Position Title: Project Specialist, Business Continuity & Emergency Management
Position Code: _____

Organization: Emergency Management Effective Date: _____

Location: 4 Irving Place Payroll Code: _____

Reports to: Project Manager or Vice President Emergency Management
POSITION TITLE

PURPOSE: In this highly visible position, the prime function is continuation of the Business Continuity effort begun by Emergency Management Staff. The selectee will be integral to the success of a corporate wide Business Continuity Program through her or his ability to provide guidance and educate the corporation on what Business Continuity is, what it involves and how it differs from the myriad other plans under which we operate.

MAJOR RESPONSIBILITIES: (Only Major duties of a contributing nature should be listed and described here.)

1. Number of people supervised: Directly: Mgmt. None Indirectly: Mgmt. None

   (if none, state "None") Weekly None Weekly None

2. Will team with operating area employees at all levels and Emergency Management Staff to design and implement appropriate Business Continuity Plans for geographically selected critical facilities.

3. Ensures implementation of Company safety, health and environmental programs for employees whose work is directed. Ensures that safe work practices are followed and the environment is fully protected in accordance with Company policy and governmental regulations.

Prepared by: James Kerr	Project Manager		
NAME (Type or Print)	**TITLE**	**INITIALS**	**DATE**
Reviewed by: George Greenwood	Vice President		
NAME (Type or Print)	**TITLE**	**INITIALS**	**DATE**
Concurred: Kevin Burke	President & COO		

COMPENSATION **DATE**

Periodic Review: DATE _____ DATE _____ DATE _____

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POSITION GUIDE - MAJOR RESPONSIBILITIES (continued)

Using the corporate plan as a guide, prepare and implement Business Continuity Plans for geographically selected critical facilities. Select appropriate team members from operating organizations, corporate units and Information Resources to construct a useful plan for the organizations affected during a large scale business interruption. Designs and implements organization wide training program for selected critical business functions. Will also guide senior management in planning for non-critical business function post event communication and action. Will be instrumental in the on-going success of the program and for establishing it as a model for the utility industry.

ORGANIZATION STRUCTURE

Incumbent Reports to	New Position POSITION TITLE
Incumbent (this Position Title)	New Position POSITION TITLE
List of Titles of those reporting directly to incumbent:	None - Individual Contributor POSITION TITLE
	POSITION TITLE
	POSITION TITLE

EMPLOYEE SPECIFICATIONS (To do this job)

Education -BA/BS in an appropriate discipline. MS a plus. Professional industry certification desirable.

Experience - This is a high visibility position. Eight to ten years of experience in contingency planning and Business Continuity Program initiation and maintenance. Broad based knowledge of life safety, evacuation planning and Information Technology Disaster Recovery (in that order) is required. Expertise deep enough to be considered the Subject Matter Expert will be a defining factor in the selection process. Significant ability to lead, participate in and manage teams will be necessary for the successful candidate to demonstrate during the selection process. Single band knowledge, i.e. evacuation planning or IT disaster recovery processes will not meet the broad based requirement noted above.

Company Name: Con Edison
Case Description:
Case: 08-E-0539

Response to DPS Interrogatories – Set DPS19
Date of Response: 07/10/2008
Responding Witness: Infrastructure Investment Panel/Accounting Panel

Question No. :296

1. In response to DPS-137, question 1, part C, regarding O&M expenses related to the Inter-Util Aqreement-Ramapo-O&R, the Company indicated the following: C. The increase of some $471,000 from 2006 to 2007 is due primarily to the recording in July 2007 of $336,891.14 for the back billing of O&M expenses. The back billing was for Ramapo spill clean-up and lab service for environmental samples that occurred in October 2005 but not billed. Does the Company consider the back billing of O&M expenses in 2007 referred to in its response to be a one-time expense? If no, explain why not. If yes, explain why the Company has not proposed a normalizing adjustment to this line item in its filing. 2. On page 66, line 4, of direct testimony, the witnesses discuss the need for a bus tie series reactor at the Corona 138 kV Substation and a bus tie phase angle regulator at the Astoria East Substation to mitigate incremental fault currents, noting that these projects were part of a NYISO Fault Current Mitigation Plan for Class Year 2001 developers. Attached is a PDF format document entitled "Con Edison System Fault Current Management Plan Presentation To The NYISO Management Committee" that includes, among others, a description of these two projects and their associated costs. Specifically, on page 13 of this document, the cost estimate of the phase angle regulator at Astoria East is $10.2 million, and the cost estimate of the bus tie reactor at Corona is $2.5 million. However, for this case, per Exhibit__ (IIP-2), page 5 of 7, the Company estimated the cost of the phase angle regulator to be $36 million, and has estimated the cost of the bus tie reactor at Corona to be $27 million. A. Provide an explanation for the differences and the detailed cost components used for the estimates. B. Is the developer(s) responsible for reimbursing Con Edison, in whole or in part, for these capital projects? If yes, what percentage? If no, why not? C. Referring to the same document, the page entitled "Milestone Schedule Revised Service Dates(1)" , of the projects listed, provide electronically in Excel format the names, location of interconnection, and MW level of these generating plants that have been built or are expected to be built by 2014. If the project has been cancelled, please indicate. Also, if other generators not noted on this page have interconnected or expect to interconnect by 2014, provide the same information requested above.

Response:

1. The $336,891.14 is a one-time expense and should be normalized out of the rate year forecast. This will be reflected in the Company's update phase of this proceeding.

2. Exhibit IIP-2 Generation Interconnection:

a. The current cost breakdowns for this project were previously provided in DPS 122 and DPS 136. The increase in cost from the 2001 estimate is attributed to the cost of raw materials, labor cost, company overheads, and a more defined scope of work for the installation of the phase angle regulator and the series reactor.

b. As part of the Financial Settlement approved by the FERC, developers of the Class Year 2001 (NYPA Astoria Energy, and East River Repowering (Con Edison)) are responsible to reimburse Con Edison (as TO) for the cost of these capital projects at a cap of $130 million. The percentage share for NYPA and Astoria Energy is 17.773% and 13.023%, respectively. Under the NYISO OATT, if a developer pays for System Upgrade Facilities that result in greater transmission capacity than is required to accommodate all projects in the developer's Class Year and reliability requirements for the period of the applicable cost allocation assessment, the developer is entitled to "headroom" credits. In this case, East River Repowering (Con Edison) is entitled to 46.1232% of the headroom reimbursement from subsequent Class Year developers, which is expected to amount to several million dollars.

c. See attached "NYISO_Interconnection_Queue" for status of interconnecting units. Two projects that have interconnected and not listed on the ISO queue are: the Keyspan (250 MW) that interconnected at the Vernon substation, and the NYPA GT's that interconnected at various locations on the Con Edison system.

IR 54

Con Edison System

Fault Current Management Plan

Presentation To The NYISO Management Committee

June 20, 2001

Redacted

Scope

- Definition of Problem
- Existing Conditions
- The Plan
- Next Steps

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Definition Of Problem

- Interconnection of New Generation(1)
  - In-City 5500 MW
  - Out-of-City 2700 MW
- Increased Fault Duties
  - 345 kV System
    - 71 kA
    - Existing Breaker Capabilities: 40/63 kA
  - 138 kV System
    - 83 kA
    - Existing Breaker Capabilities: 40/45/63 kA

(1) Includes GTs that NYPA is installing for Summer 2001.

Redacted

Proposed New Generation Projects
LONG ISLAND
NEW JERSEY

Existing Conditions

- 345 kV System
  - All Breakers Within Capability
- 138 kV System
  - All Breakers Within Capability
    - Except
      - Astoria West: 6 Breakers
      - Queensbridge: 1 Breaker
        - » Three breakers are scheduled to be replaced in 2001.
        - » Four breakers are scheduled to be replaced in 2002.

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The Plan(1)

- 345 kV System
  - 2% Series Reactors in Feeders M51/52 and 71/72
  - Replace 2 Breakers at Ramapo
- 138 kV System
  - 5% Series Reactor in Feeder 15055
  - Reconnect Hell Gate Transformers No. 1 and 4
  - Phase Angle Regulator in Bus Tie at Astoria East
  - 5% Bus Tie Reactor at Corona
  - Replace 38 Breakers at Various Substations(2)
- 69 kV System
  - Replace 12 Breakers at East River

(1) Bypass switches will be installed for each series reactor and the phase angle regulator.
(2) Includes six breakers at Astoria West that are owned and operated by Orion and require replacement.

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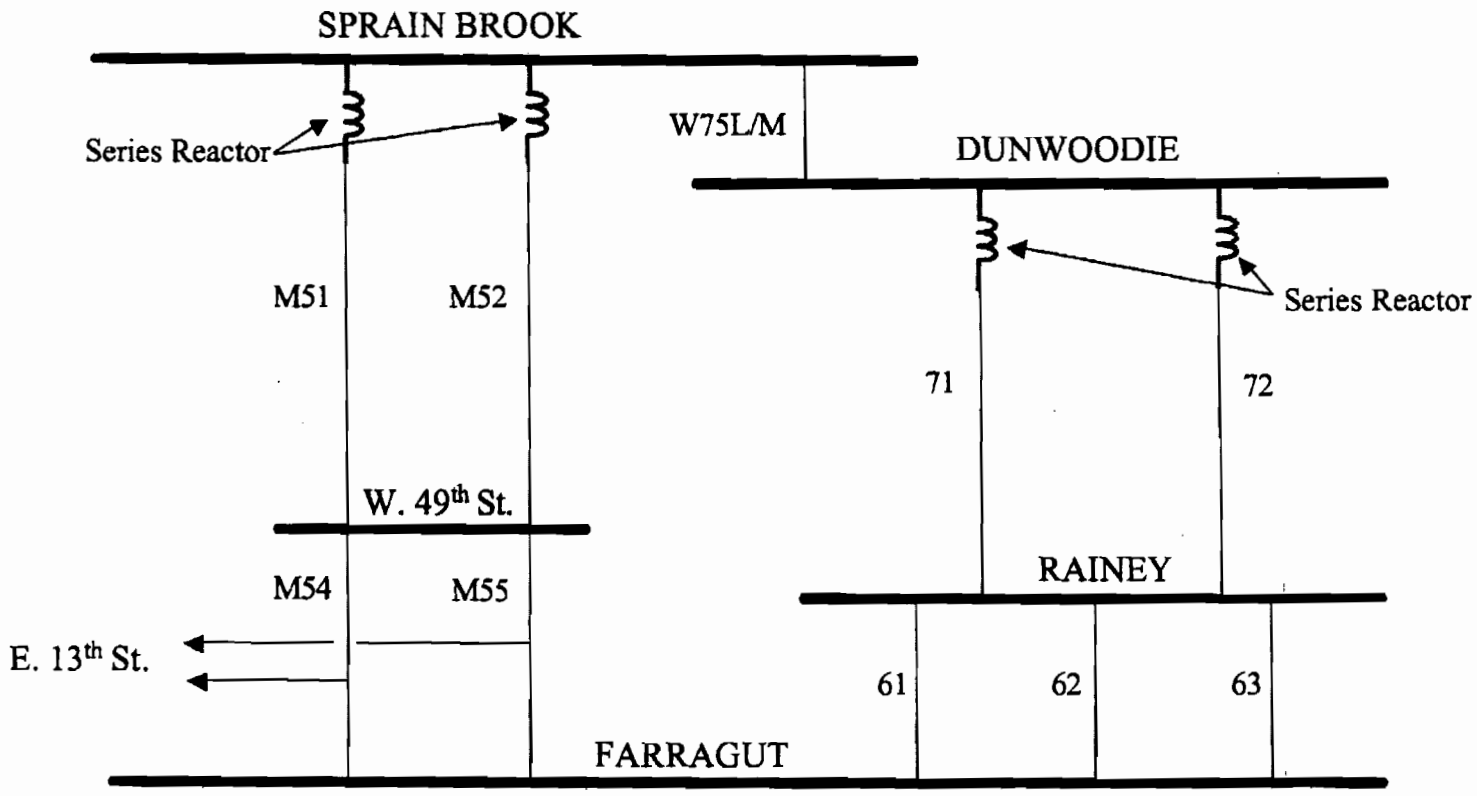
Sprain Brook And Dunwoodie



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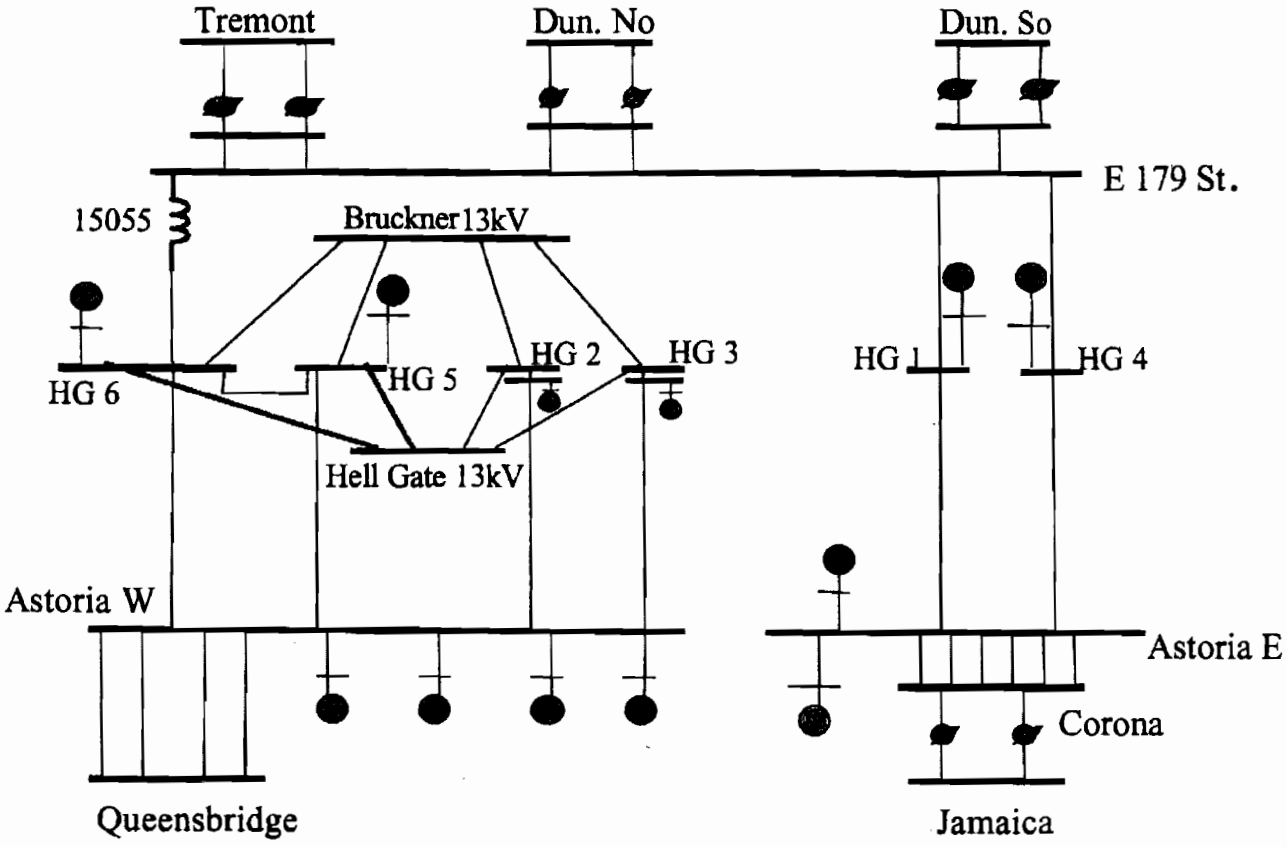
Hell Gate Area



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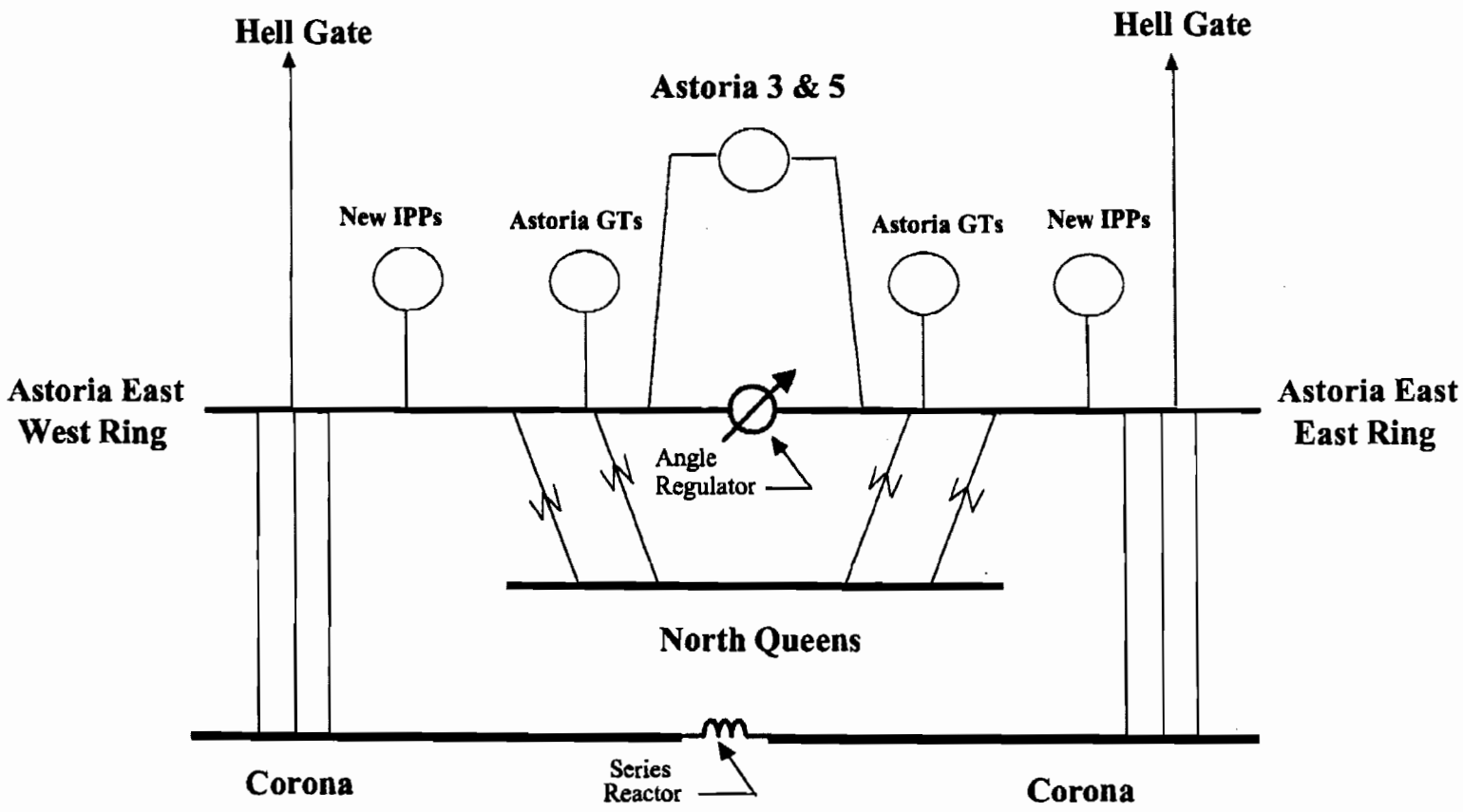
Astoria East And Corona



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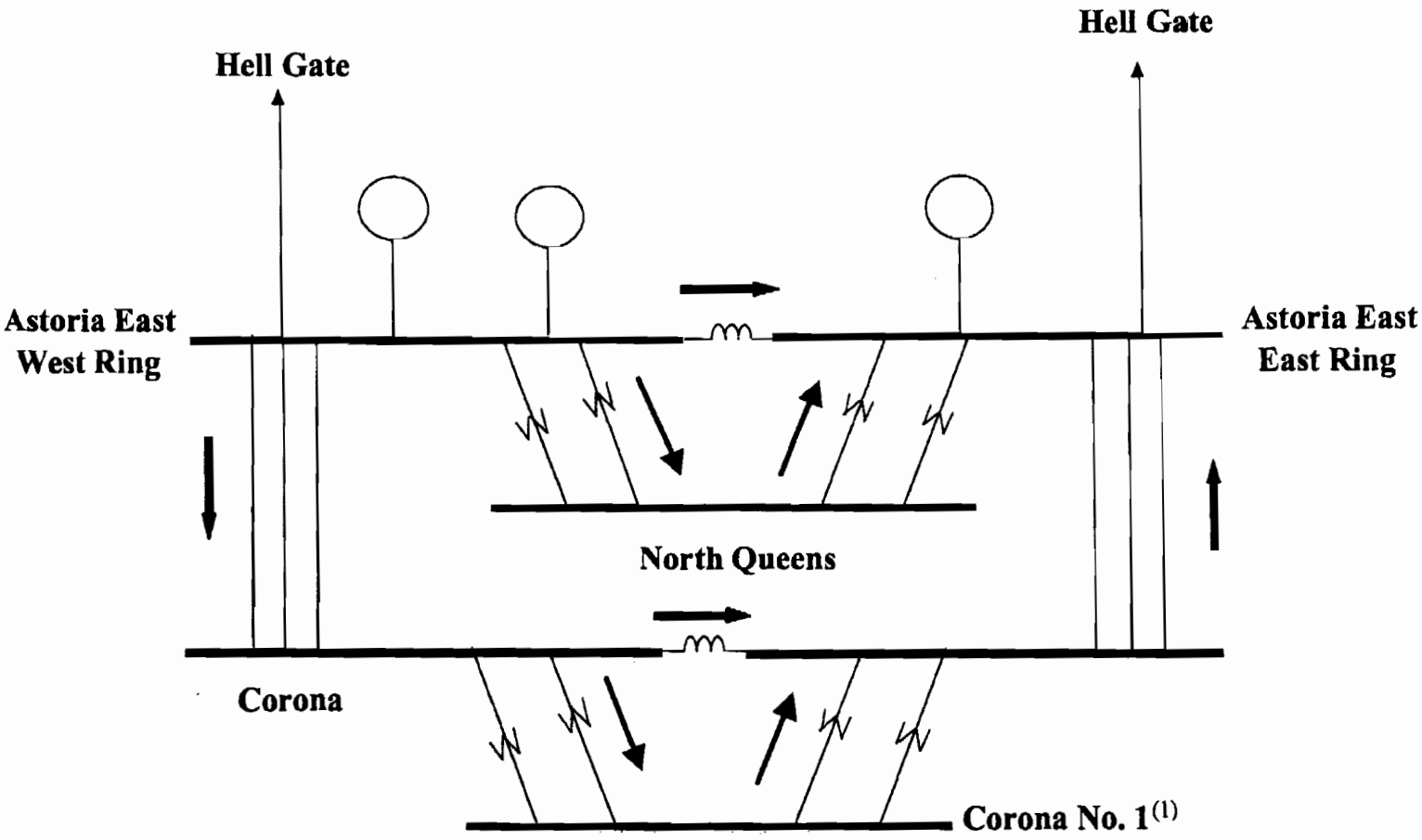
Need For Phase Angle Regulator

- Unbalanced Power Flows
  - Area Station Transformers
    - North Queens
    - Corona Nos. 1 & 2

Astoria East And Corona



(1) To simplify the diagram, Corona No. 2 area station is not shown.

Advantages of The Plan

- Familiar Technology
  - Series Reactors
  - Phase Angle Regulator
  - Breaker Replacement
- Lower Cost Than Other Options
- Lower Initial Capital Commitment
- Greater Scheduling Flexibility
- Lower Maintenance Cost
- Lower Losses

Cost Estimates[1]

($ Million)

• Series Reactors (Feeders M51/52 & 71/72)	43.8
• Series Reactor (Feeder 15055)	2.9
• Reconnect Hell Gate Transformers	2.2
• Phase Angle Regulator At Astoria East	10.2
• Bus Tie Reactor At Corona	2.5
• Breaker Replacement	
– Two 345 kV	1.7
– Thirty Eight 138 kV	17.2 [2]
– Twelve 69 kV	4.8
Total	85.3

(1) Fully loaded escalated costs. Do not include costs of environmental remediation, if required.

(2) Does not include the cost of replacing six breakers at the Astoria West station that are owned and operated by Orion.

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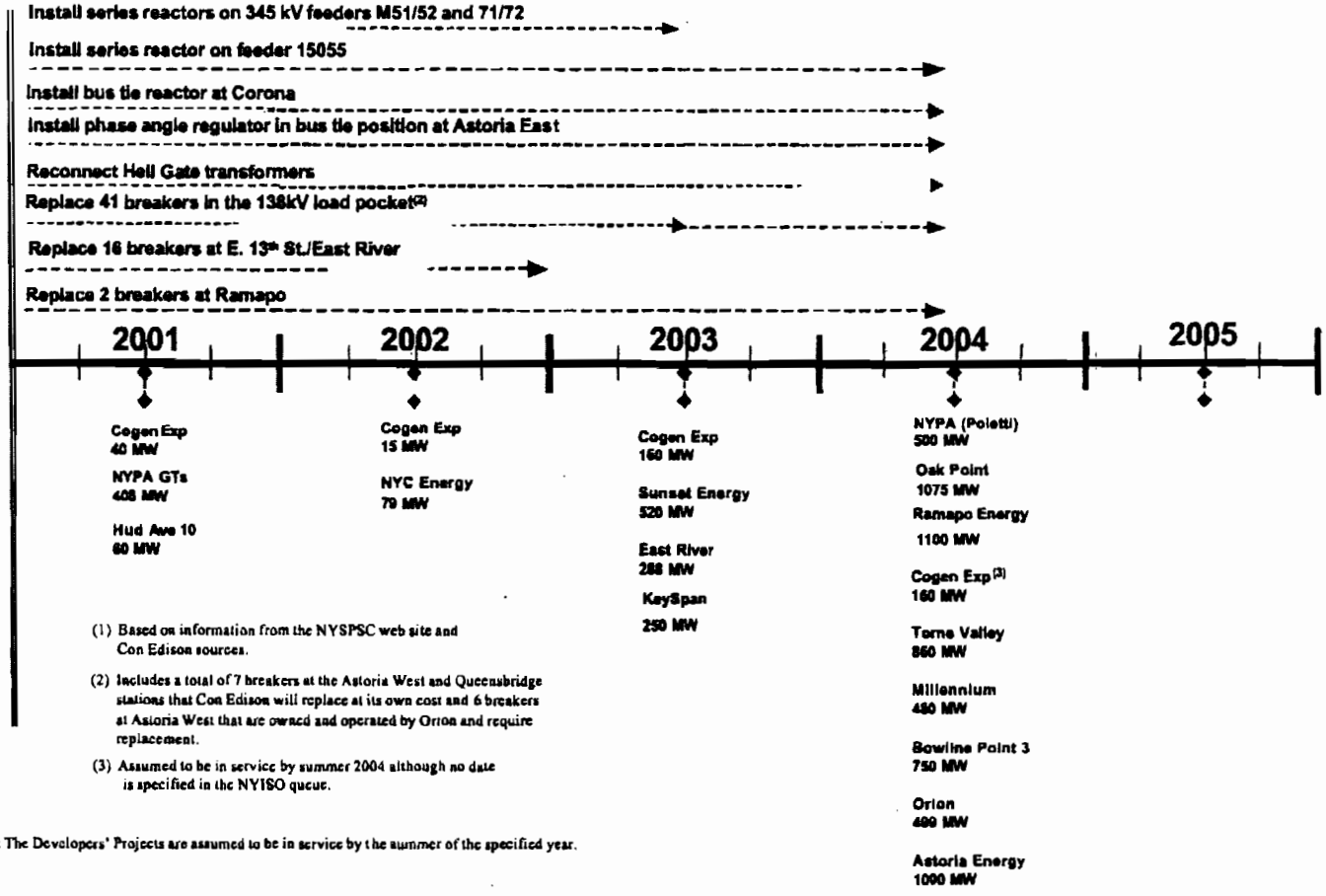
Milestone Schedule
Revised Service Dates(1)



(1) Based on information from the NYSPSC web site and Con Edison sources.

(2) Includes a total of 7 breakers at the Astoria West and Queensbridge stations that Con Edison will replace at its own cost and 6 breakers at Astoria West that are owned and operated by Orion and require replacement.

(3) Assumed to be in service by summer 2004 although no date is specified in the NYISO queue.

Note: The Developers' Projects are assumed to be in service by the summer of the specified year.

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Developers' Cash Flow Responsibility

Year ($ Million)				
2001	2002	2003	2004	Total[1]
14.2	33.3	25.7	12.1	85.3

(1) Total escalated installed cost. Does not include the cost of environmental remediation, if required.

Redacted

Schedule For 345 kV Series Reactors

Activity	Date
Funding(1)	May 2001
Begin Engineering/Design	June 2001
Order Equipment	Sept. 2001
Deliver Equipment	Sept. 2002
Complete Installation	May 2003

(1) Funding is not on the critical path.

Redacted

Next Steps

- Written Report To TPAS(1)
  - June 2001
- Approval By TPAS
  - July 2001
- Approval By Operating Committee
  - July 2001
- Agreement With Developers
- Begin Plan Implementation
  - Long Lead Time Equipment

(1) Con Edison made a presentation on the Fault Current Management Plan at the May TPAS meeting.

INTERCONNECTION REQUESTS AND TRANSMISSION PROJECTS / NEW YORK CONTROL AREA

Project Name	MW	Interconnection Point	Proposed In-Service Original	Proposed In-Service Current
Linden 7	100	Goethals 345kV	2005	2010/Q4
Oak Point Yard	500	Hell Gate/Bruckner 138kV	2008/Q4	2009/Q2
Poletti Expansion	500	Astoria 138kV	2005/01	I/S
NYC Energy LLC	79.9	Kent Ave 138kV	2004/Q4	2008/Q4
Astoria Energy	1000	Astoria 138kV	2006	2010/05
Fortistar VP	79.9	Fresh Kills 138kV	2005/Q3	2010/Q2
Fortistar VAN	79.9	Goethals/Fresh Kills 138kV	2005/Q3	2010/Q2
CPN 3rd Turbine, Inc. (JFK)	45	Jamaica 138kV	2004/Q4	2011
TransGas Energy	1100	E13St, Rainey, or Farragut-345kV	2007	2012/Q3
Linden VFT Inter-Tie	300	Goethals 345kV	2005	2009/10
Indian Point 2 Uprate	36	Buchanan 345kV	2004/Q4	I/S
Indian Point 3 Uprate	38	Indian Point 345kV	2005/Q2	I/S
Mott Haven Substation	N/A	Dunwoodie-Rainey lines	2007/Q3	2007/S
West Side Switching Station	N/A	West 49th St & Farragut 345kV	2011/Q3	2011/Q3
Sprain Brook-Sherman Creel	500	Sprain Brook & Sherman Creek	2007/Q3	2009/03-2009/12
Harbor Cable Project II	200	Goethal 345kV	2008/06	2011/06
Berrians GT	200	Astoria West Substation	2008/02	2008/02
Hudson Transmission	660	West 49th Street 345kV	2009/Q2	2011/Q2
Berrians GT II	322.5	Astoria Substation	2010/06	2010/06
Bayonne Energy Center	512.5	Gowanus Substation 345kV	2008/11	2009/06
Astoria Uprate	100	Astoria East Substation	2010/05	2010/05
Manhattan Cable	350	World Trade Center 138 kV	2011/06	2011/06
Cross Hudson	550	W49th Street 345kV	2010/06	2010/06
South Pier Improvement	100	Gowanus Substation	2010/06	2010/06
CityGreen	1100	Millwood 345kV - Farragut/Rainey	2012/Q3	2012/Q3
Arthur Kill	800	Gowanus Substation	2010/06	2010/06
PSEG Fossil Bergen Unit 2	100	W49th Street 345kV	2011/01	2011/01
Cross Hudson II	800	West 49th St. Substation	2011/06	2011/06

CANCELLED PROJECTS

Torne Valley Station	860	Ramapo
Sunset Energy Fleet	520	Gowanus
Ramapo Energy	1100	Ramapo
Grassy Point	1100	West Haverstraw
Millennium 1	160	Hell Gate/Bruckner
Millennium 2	320	Hell Gate/Bruckner
Astoria Repowering-Phase 1	367	Astoria 138kV
Bowline Point Unit 3	750	W. Haverstraw 345kV
North First Street	500	Con Ed System
GenPower DC Tie-line	800	West 49th Sreet
Gotham Power/Brooklyn	79	Kent Ave
Lovett #3 Repowering	180	Lovett
Hillburn Unit #2	79.9	Hillburn

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INTERCONNECTION REQUESTS AND TRANSMISSION PROJECTS / NEW YORK CONTROL AREA

Hillburn #2 Conversion	40	Hillburn
Greenpoint Energy Park	500	Rainey-Farragut Lines
Astoria Repowering-Phase 2	173	Astoria 138kV
Island Gen. Station	79.9	Fresh Kills
Island Gen. Station #2	500	Fresh Kills
Gotham Power - Bronx II	79	Hell Gate/Bruckner
Dover Energy	1000	Pl. Valley-Long Mt. Tie-Line
Ravenswood Repower Ph I	440	Vernon
Berrians GT Replacement	79.9	Astoria
Buchanan Energy	500	Buchanan
Neptune DC PJM-NYC	600	W49th St
Neptune DC PJM-NYC	600	W49th St
Redhook Energy	79.9	ConEd 138 kV (tbd)
Cross Hudson Project	550	W49th Street 345kV
PJM-New York City HVDC	990	W49th St and/or Farragut
Blooming Grove Power	500	Rock Tavern-Ramapo line
Indian Point Energy Center	400	Buchanan 345kV
Jupiter PJM-NYC Cable	1200	W49th St or Farragut
Titan Smith Street	79.9	Gowanus 138 or 345 kV
Maspeth	79.9	Vernon-Glendale line
Liberty Generation	400	Goethals 345kV
PJM-Rainey HVDC	660	Rainey 345kV
Liberty Gen Co, LLC	600	Goethals
Bay Energy Project	79.9	Gowanus 138kV
Grace Corona Generation	79.9	Corona
Empire Connection DC	2000	N. Scotland/Leeds, ConEd
Bayonne	300	World Trade Center 138kV
Linden Power I	845	Goethal Substation
130 MW Uprate	130	Goethal 345kV
Linden	1200	East 13th, West 49th
Bayone Energy Center II	250	Gowanus Substation 138kV

Company Name: Con Edison
Case Description:
Case: 08-E-0539

Response to DPS Interrogatories – Set DPS20
Date of Response: 07/16/2008
Responding Witness: Electric Production

Question No. :315
Subject: Electrical Equipment Programs - 1. Provide condition assessments of all Electric Equipment as referred to on page 14, lines 21-22. 2. On page 15, lines 16-23, the Panel discusses the benefits of upgrading the electrical equipment. Provide any cost savings associated upgrading the electrical equipment.

Response:

1. As noted in the Production's Panel testimony, the Company plans a systematic replacement of the East River Station's major electrical equipment over the next several years. The need to replace this equipment has been determined and included in the Company's Capital Construction Program. As part of the process to implement these projects, the Company plans to assess, as noted in the testimony in page 14, lines 21-22, the equipment in 2008 to determine the scope of work and most effective replacement sequence based on the current state of the equipment, the degree the condition of the equipment may affect plant reliability, other planned maintenance and capital work, and the plant outages requirements. The results of this evaluation will define the scope and schedule for completing the projects and will be documented in the projects' scoping documents. As such, no other assessment reports will be prepared.

2. The Construction Programs are based on the most current information available on the condition of equipment, systems and structures that require improvements to meet the Company's objective of providing safe and reliable service. These projects are needed due to environmental, health and safety conditions, operational reliability, and regulatory compliance. There are no direct cost savings associated with these improvements identified or anticipated during the rate period. The Electrical Systems upgrades include replacement and improvement of equipment and systems required to address age-induced degradation, obsolescence, equipment malfunction, and failures that have and may continue to cause unreliable plants operations, such as plant trips or deratings, opacity events, or potential deviations from industry codes and regulatory requirements.

   There may be some savings realized in future years after this equipment is replaced because the existing equipment may require more maintenance. However, any savings would be minor in comparison with the overall maintenance needs of these stations and most likely be offset with increased maintenance associated with other parts of these

stations which have been in service since circa 1950. Future savings if any would be reflected in data that forms the basis of future rate requests.

Company Name: Con Edison
Case Description:
Case: 08-E-0539

Response to DPS Interrogatories – Set DPS22
Date of Response: 07/16/2008
Responding Witness: IIP

Question No. :333
Subject: Cable System Enhancement – Pothead Alarm - 1. According to your response to DPS-40, this program began in 2005 with budget expenditures for 2005 to 2008 of $550,000, $500,000, $500,000 and $500,000, respectively, and actual expenditures for 2005 to 2008 (through April 2008) of $699,000, $422,000, $268,000, and $238,000, respectively. According to page 5 of Exhibit_(IIP-14), the budgeted expenditures for 2009 to 2011 are $500,000 per year to install Barksdale high and low pressure switches (as referred to as a Pothead Alarm System) on six remaining sets of potheads. a.) Provide an update to the actual expenditures for 2008 to date (specifying that date). b.) Provide the total number of sets of potheads that are to have a Pothead Alarm System installed under this program and the total number of Pothead Alarm Systems installed to date (specifying that date). c.) Provide the remaining number of Pothead Alarm Systems to be installed and the current schedule for their installation. d.) Provide the current estimated completion date of this program. e.) Provide estimated savings of the Pothead Alarm Systems from avoided pothead and feeder damage due to timely corrective action as a result of the alarm system. f.) Provide documentation where these savings have been included in budgeted expenses for the rate year.

Response:

Responses to specific question are provided below:

a.) Total expenditures for 2008 are $257,000 as of May 31, 2008.

b.) The total number of sets of potheads to have alarms installed under this program is 25. As of July 1, 2008, a total of 13 alarm systems have been completely installed. Seven mechanical manifold installations requiring feeder outages (i.e. pipe connection) have been completed leaving the non-outage work to wire these installations still remaining.

c.) Of the total of twelve alarm systems that still need to be completed, seven installations need only electrical connection of the alarm manifold as described above. The final five installations require both the mechanical and electrical connection work to be performed. The current schedule for completion of all installations is year-end 2009. Outage scheduling is under way for the Fall 2008 and early 2009 to complete the five remaining mechanical installations.

d.) The current estimated completion date of this program is year-end 2009. Since the original rate case submission, the program has been accelerated to meet this expedited completion date.

e.) This program enhances the overall long term reliability of the transmission system by providing Station Operators additional information on termination pressure conditions which can be used in combination with other data sources to make timely decisions regarding corrective actions that could prevent catastrophic failure of the pothead or feeder damage. As such, it is difficult to ascertain any direct savings specifically to the pothead alarm system installations.

Additional O&M expenditures will be incurred as a direct result of the installations since the alarm switches will require periodic calibration testing and maintenance as per Company Specifications, CE-TS-6250, "Maintenance Specification for 69, 138 and 345 KV Potheads."

f.) No direct savings have been included in the budgeted expenses for the rate year for the reasons described above.

Company Name: Con Edison
Case Description:
Case: 08-E-0539

Response to DPS Interrogatories – Set DPS22
Date of Response: 07/16/2008
Responding Witness: IIP

Question No. :337
Subject: Vernon – W49th Street – 38M72 Upgrade - 1. According to your response to DPS-40, this program began in 2008 with budget expenditures for 2008 of $3,000,000 and $4,200,000, respectively, and actual expenditures for 2008 (through April 2008) of $0. According to page 2 of Exhibit_(IIP-11), the budgeted expenditures for 2009 to 2010 are $20,144,000 and $22,000,000 , respectively, with a reference to a lack of space in the Vernon Substation and various properties being under evaluation. a.) Provide an explanation why actual expenditures in 2008 are $0 with a budgeted expenditure of $4.2 million. b.) Provide the amount in the budgeted expenditures for the purchase of real estate. c.) Does the current project planning require additional real estate to be purchased by the Company?

Response:

a.) The planned expenditures for 2008 are for the purchase of long lead time equipment. The $4.2M included a phase angle regulator and a new installation of 138kV solid dielectric transmission feeder. The current plan no longer requires the installation a new transmission feeder because the PAR will be located in Vernon Substation, instead of the Learning Center.

The new planned expenditures for 2008 is $1M for the purchase of the long lead equipment, mainly the phase angle regulator plus associated equipment, without the transmission feeder installation.

b.) The budgeted amount for real estate is $3.144M.

c.) In the current project plan (which was recently developed), no real estate purchase is required.

Company Name: Con Edison
Case Description:
Case: 08-E-0539

Response to DPS Interrogatories – Set DPS22
Date of Response: 07/16/2008
Responding Witness: IIP

Question No. :338
Subject: Perfluorocarbon Tracer (PFT) Patrols - 1. According to your response to DPS-40, this program began in RYE 2008 with budget expenditures for RYE 2008 of $600,000, and actual expenditures for 2008 (through April 2008) of $5,000. According to page 5 of Exhibit_(IIP-11), the budgeted expenditures for RYE 2009 to 2012 are $600,000 per year with reductions in dielectric fluid loss to the environment being achieved through earlier leak detections of lower leak rates. a.) How much is the estimated reduction in dielectric fluid loss? b.) Provide an estimate of the savings associated with the early detection of dielectric loss at lower leak rates. c.) Provide documentation where these savings have been included in budgeted expenses for the rate year. d.) Provide actual expenditures for dielectric fluid loss cleanup and the amount of dielectric fluid cleaned up for 2004 through 2008.

Response:

a) This program was initiated beginning in RYE 2009 and is in the early stages, it is difficult to formulate an accurate estimate as to the actual reduction in dielectric fluid loss that will be realized. Year to date we have detected and located one leak via proactive patrol which was below the detection limits of our current system. The aim of this program is not only to reduce the amount of dielectric fluid lost to the environment by providing an additional leak detection tool, but also to limit the impact to the community by reducing clean-up durations and improve system reliability.

b) c) As stated above the aim of this program is to minimize the impact on the environment, limit the impact to the community by reducing clean-up durations and improve system reliability. As is evident from the data provided in response to item (d), the clean-up costs are highly variable and are dependant not only on the amount of fluid lost, but the type of medium that the fluid is released into and the physical conditions at the release. No savings have been included in the budgeted expenses for the rate year because whether or not savings would occur during the rate year and, if so, the amount of such savings cannot be reasonably estimated. Again, the focus of this program is to improve system reliability.

d) The attached spreadsheet shows the O&M expenditures for the clean-up of dielectric fluid, it does not include costs associated with clean-ups paid for under capital project or work contract damage billing orders. The sheet also shows the total amount of dielectric

fluid which was released. These totals include releases from O&M and Capital Projects as well as releases caused by contactor damage.

	2004	2005	2006	2007	2008 (YTD May)
Fluid Lost to Environment	24,730	26,522	29,900	15,715	18,710
Fluid Conatined	12,991	30,975	22,577	9,510	9,082
Total (Release and Contained)	37,721	57,497	52,477	25,225	27,792
O&M Cleanup and Repair Charges	$4,210,831.60	$6,265,488.11	$6,314,620.22	$3,673,987.76	$4,036,266.61

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Company Name: Con Edison
Case Description:
Case: 08-E-0539

Response to DPS Interrogatories – Set DPS24
Date of Response: 07/22/2008
Responding Witness: IIP

Question No. :352
Subject - Public Safety & Environmental Improvements: System and Transmission Operations – Manhole Inspections 1. Provide a copy of EO-6054, "Inspection and Preventive Maintenance and Stray Voltage Testing of Pipe Type Cable Systems." 2. The forecasted annual budget for this program is estimated at $950,000 per year, a two fold increase from historic levels. Provide the cost breakdowns that detail this increase, as well as the additional elements of the program and the justification for each of these elements. Electric Operations – Streetlight Isolation Transformer - 1. It is estimated that this program will be completed by 2017. Has the Company assessed any possible cost savings or benefits, aside from public safety, that may be achieved by accelerating the completion of this program? Electric Operations – Mobile Stray Voltage Detection - 1. Provide detailed cost breakdowns by cost elements of the items listed in table on page 15 of IIP-18, specifically Operations, Emergency Response, and Support. These should include, at a minimum, an itemization of all the labor types (engineering, management, oversight, union, contractors, and consultants) associated with each of these items.

Response:
System and Transmission Operations

1) A copy of EO-6054 is attached
2) The increase in cost is due to additional work that will be performed as a part of the inspection. The additional work includes the removal of coating in the area between the pipe reducer and the manhole wall, allowing for a thorough inspection of the pipe, which is susceptible to corrosion. If undetected, this corrosion can lead to dielectric fluid leaks. The attached spreadsheet shows the budgeted cost breakdown for this work. The additional work and funding for the Enhance Manhole Inspection Program was approved in Case 07-E-0523.

Electric Operations – Streetlight Isolation Transformer
1. It is estimated that this program will be completed by 2017. Has the Company assessed any possible cost savings or benefits, aside from public safety, that may be achieved by accelerating the completion of this program?

Response

Yes. It is estimated that the cost of responding to energized structures would be reduced by approximately $3.9 million per year once the program has been fully implemented in 2017.

Electric Operations – Mobile Stray Voltage Detection –

1. Provide detailed cost breakdowns by cost elements of the items listed in table on page 15 of IIP-18, specifically Operations, Emergency Response, and Support. These should include, at a minimum, an itemization of all the labor types (engineering, management, oversight, union, contractors, and consultants) associated with each of these items.

Response:

Request No. DPS-352

Mobile Stray Voltage Detection Program

			Projected 2009	Actual 2007
Number of System Scans			12 scans	5.5 scans
Funding: Program Component	**Labor Type**	**Subcomponent**	**Projected 2009 Cost (Thousand of Dollars)**	**Actual 2007 Cost (Thousand of Dollars)**
Operations	Contractor	Mobile Testing	$10,460	$ 3,748
	Contractor	Electrician	1,000	820
	Contractor	Site-Safety	6,141	4,094
		Materials	18	12
		Subtotal	**17,619**	**8,673**
Emergency Response	Union	#9 Troubleshooters	**2,963**	**2,473**
Support	Contractor	Contracted Administration/Engineering Support	260	143
	Management	Engineering/Program Management	225	32
		Subtotal	**485**	**175**
		Total	**21,067**	**11,321**

CONSOLIDATED EDISON COMPANY OF NEW YORK, INC.
4 IRVING PLACE
NEW YORK, NEW YORK 10003

ENGINEERING SPECIFICATION

CE-TS-6045

INSPECTION AND PREVENTIVE MAINTENANCE AND STRAY VOLTAGE TESTING OF PIPE TYPE CABLE SYSTEMS

REVISION 22

DECEMBER, 2006

Prepared By: John Gaughan, 12/5/2006
Name / Date

Approved By: Arnold Wong, 12/5/2006
Section Manager, Transmission Feeders Engineering/Date

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1.0 SCOPE

1.1 This specification describes the procedures and criteria to be used in the periodic inspection and maintenance and in annual stray voltage testing of pipe type cable systems.

1.2 The identification of deficiencies and the maintenance actions taken will ensure continued reliability and safety of the pipe type cable system. Whenever possible, deficiencies identified during an inspection or test should be corrected at the time of discovery. A detailed program will track and verify that any follow-up maintenance or repair is completed in a timely manner.

1.3 Inspections and testing shall be made by personnel, who are familiar with and capable of identifying the deficiencies indicated herein and who have been trained in the procedures for conducting and recording inspections and testing.

2.0 APPLICABLE STANDARDS AND REFERENCES

2.1 EO-6317 Insulating Fluid for use in 138 kV Pipe Type Cable Feeders.

2.2 EO-6318 Low Viscosity Synthetic Insulating Fluid

2.3 EO-100,299 Containers for Sampling Insulating Fluid

2.4 G-8209 Field Coatings of Electrical Feeder Pipes and Fittings Installed Underground

2.5 CE-PS-1062 Quality Assurance Requirements for Stray Voltage Testing & Safety and Reliability Testing

2.6 EO-10358 Annual Contractor Stray Voltage Inspection Procedure

2.7 PSC Case 04-M-0159 Proceeding on Motion of the Commission to Examine the Safety of Electric Transmission and Distribution Systems.

3.0 QUALITY ASSURANCE

3.1 Random samples, selected from a population that includes all completed electric distribution and underground transmission inspections and stray voltage tests, will be reviewed to ensure that all work has been done in accordance with all applicable specifications and PSC requirements. These randomly selected transmission manholes will be re-inspected or re-tested by trained and knowledgeable employees who did not perform or directly supervise this work. A minimum of 12 pipe type cable system transmission manholes will be re-inspected during this review. All re-inspection and re-test results must be entered into the organization's work management system.

3.2 All deficiencies observed during the quality assurance inspection will also be documented on the inspection form. All identified deficiencies will be corrected in a timely manner and the manhole re-inspected at the completion of the work. The re-inspection must also be documented on the inspection form. All inspection results must be entered into the organization's work management system.

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3.3 Any deficiencies that are identified with respect to the inspection, record keeping, or remediation process will be reviewed with the appropriate personnel to enhance the accuracy and effectiveness of the inspection program.

3.4 The Quality Assurance Program supporting this work will be based on Specification CE-PS 1062, Rev. 00 – QA Requirement for Stray Voltage Testing & Safety and Reliability.

4.0 GENERAL SAFETY AND ENVIRONMENTAL CONSIDERATIONS

4.1 Company personnel shall follow all Corporate Environmental Procedures and Corporate Safety Procedures.

4.2 Contractor personnel shall follow all applicable federal, state and local regulations.

5.0 TEST AND INSPECTION EQUIPMENT AND CALIBRATION CRITERIA

5.1 None.

6.0 SPECIAL TOOLS AND EQUIPMENT

6.1 None.

7.0 FREQUENCY

7.1 Unless specified by the Section Manager, Transmission Feeders Engineering or Central Engineering Department, the period of inspection frequency shall be as indicated in Exhibit A. Electric facilities must be inspected at least every five years as required by the New York State Public Service Commission's (PSC) Safety Standards.

8.0 PRECAUTIONS

8.1 This scope states the type of facilities associated with pipe type cable system that must be inspected, states the inspection criteria applicable to such facilities, and provides a summary of the inspection process.

8.2 These inspections shall include, but not be limited to, the following facilities:

8.2.1 Manholes (Normal Joint, Semi-Stop Joint, Full Stop Joint (including circulation line valve) Diffusion Chamber and Clean Out etc.)

8.2.2 Risers and exposed pipe sections on bridges

8.2.3 Risers and exposed pipe sections in tunnels

8.2.4 Valve Boxes, Vent Chambers, Freeze Pits and Thermal Probe Pits

8.2.5 Potheads

8.3 Prior to entering the manhole or any enclosed space, stray voltage testing and atmospheric testing shall be performed and appropriate safety and personal protective equipment used when applicable for entering confined spaces. Stray voltage testing shall

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be performed in accordance with section 9 of this procedure. If required, manholes shall then be pumped out in accordance with the latest corporate environmental procedures/instructions concerning the removal of accumulated liquids from subsurface structures, and debris removed. All material removed from the structure shall be disposed of in accordance with established company procedures.

8.4 Whenever a facility inspection is performed, the inspector will fill out the inspection form at the time of inspection. (See Appendix D and Appendix E for inspection form). These inspection results will be entered into the electronic work management system and kept for 7 years.

8.5 Verify that there is no stray voltage on all covers using the approved testing device. If the testing device indicated the presence of stray voltage (lights), determine and record the voltage using a voltmeter and contact the responsible supervisor immediately. In addition, the area must be guarded continuously until the condition has been made safe (no presence of stray voltage). If temporary repairs are made to make the area safe, then permanent repairs must be made within 45 days of the date that the stray voltage was discovered. The presence or absence of stray voltage will be documented on the inspection form. In the event stray voltage is detected, the actual reading (in volts) will also be recorded on the inspection form.

8.6 Verify whether secondary service is contained within the structure. Document the presence or absence of a secondary service on the inspection form.

8.7 Inspections of all underground facilities shall verify that no sumps drain into the ground or that there is piping connected to sumps for drainage to sewers or other appropriate drainage facilities. If discrepancies are found, immediate action shall be taken to correct these conditions.

9.0 ACCEPTABLE METHODS

9.1 Manhole and Feeder Pipes

9.1.1 Verify that the manhole chimney, walls and ceiling are structurally sound. Report any disbondment of concrete or corroding exposed steel. If installed, inspect the manhole insert for cracks or damage to the rim seal.

9.1.2 Verify that the manhole frame and covers are not cracked and are free of corrosion damage. Verify that manhole covers are not loose and dislodged (or can otherwise be a source of noise to the public).

9.1.3 Verify that groundwater is not leaking through the walls due to defective, damaged or missing packing between the feeder pipes and the manhole wall sleeves, link seal assemblies or other entrances.

9.1.4 Visually verify that the feeder pipe is not in contact with the wall sleeves.

9.1.5 Inspect terminal boxes and covers containing cathodic protection leads for any damage. Verify that all boxes are properly mounted to the manhole walls.

9.1.6 Verify that the manholes are property badged and feeders are properly tagged.

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9.1.7 Verify that the feeder bond cables are not in contact with the manhole wall sleeves or foreign pipes and structures. Verify that all connections are properly coated and no signs of corrosion are present. Verify that a manhole "insert" is in place when closing up the manhole to prevent surface materials from entering the hole while it is closed.

9.1.8 Verify that the feeder pipe coating (factory applied coating) is in place and is not disbanded from the feeder.

a. Specific attention shall be paid to the areas between the manhole wall and the joint reducer and to areas where coating is situated in the line of overhead water impingement from manhole covers. Disbonded coating may be visually obvious but may also be difficult to determine.

b. Should disbondment coating be discovered, the coating shall be removed and repairs made in accordance with Specification G-8209, (latest revision). The coating shall be scarfed back until firm, bonded coating is found. Where severe corrosion is discovered, pipe wall thickness shall be determined by ultrasonic testing and areas with less than 50% of nominal pipe wall thickness shall be repaired with a welded steel repair sleeve, The preferred coating for these areas is a petrolatum based tape with integral overwrap for added mechanical protection which will fill in and the pitted areas, see Specification G-8209 for repair procedures and approved products. Field applied tape coatings shall be inspected for visual damage and disbondment and repairs made as required.

c. Upon completion of all repairs, and as part of each manhole inspection, all feeder pipes, and any associated piping within the manhole, shall have additional tape barriers applied in the areas of direct water impingement from roof sources. (Tape is not to be applied over coal tar for this purpose). All feeders shall have their outer surface tape coated with two half laps of a petrolatum based tape with integral overwrap for added mechanical protection (see Specification G-8209 for approved products and procedures). The area to be coated should extend approximately 6 inches on each side of the area in line with the area of water impingement.

9.2 Joints

9.2.1 The inspection of all joints (including full stop joints) shall take place at the same time as the manhole inspections. The form in Exhibit D shall be filled out whenever an inspection is performed. Each joint shall be inspected for the following and repairs made as part of the scheduled inspection:

a. Verify that there is no damaged, missing or disbonded coating on feeder joints. Inspection and repair methods used shall be similar to those specified in paragraph 9.1.8.

b. Verify that there are no dielectric fluid leaks from the feeder joints associated parts or fluid piping.

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c. Verify that all joint casing supports (if present) are free of corrosion and are structurally sound. Corroded areas shall be cleaned to bright metal, coated with rust inhibiting primer and painted. Severely deteriorated supports should be replaced if necessary.

d. Where provided, verify that weather hoods or other valve protective devices are properly installed. Verify that all coating material is in satisfactory condition.

e. Verify that all pipe end caps on valve assemblies are capped or plugged.

f. Verify that all valves are fully opened or closed and in the correct position.

g. Verify that the cathodic protection test station lead is attached properly.

9.3 Risers and Exposed Sections on Bridges

9.3.1 Exposed pipe type cable systems on bridges shall be inspected for the following:

a. Verify that there is no missing, disbonded or damaged coating.

b. Verify that supporting rollers are free to move unimpeded.

c. Verify that all supporting structures are sound.

d. Verify that there is no evidence of corrosion or pitting on feeder pipes, joint casings, associated parts or fluid piping.

e. Verify that there are no dielectric fluid leaks from the feeder pipe, joint casings, associated parts or fluid piping.

f. Verify that all pipe supports used on above ground feeder pipes are of the insulated type.

g. Verify that any electrical cables, not associated with cathodic protection, are electrically insulated from the feeder pipes.

9.4 Risers, Joints and Exposed Pipe Sections in Tunnels

9.4.1 All tunnel inspections shall be performed by Central Gas Operations with the exception of the Key Span Ravenswood to Rainey A, B, and C tunnels, which will be performed by Transmission Operations. TO responsibility begins at the outside foundation wall. Exhibit D shall be completed and forwarded to the assigned person in the Transmission Operations Department. Dielectric fluid sampling shall be performed by the Transmission Operations Department. Dielectric fluid removal shall be performed by Central Gas Operations. Exposed pipe type cable systems and tunnels shall be inspected for the following:

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a. Verify that there is no missing, damaged or disbonded coating on feeder pipes, joint casings and fluid piping. Inspections and repair methods shall be similar to those specified in Paragraph 9.1.8.

b. Verify that supporting roller assemblies are free to move unimpeded.

c. Verify that supporting structures are not corroded and are structurally sound. Corroded areas shall be cleaned to bright metal, coated with rust inhibiting primer and painted. Severely deteriorated supports should be replaced if necessary.

d. Verify that there are no dielectric fluid leaks from the feeder pipes, joint casings, associated parts or clued piping.

e. Verify that all pipe supports used on above ground feeders are of the electrically insulated type.

f. Verify that any electrical cables, not associated with cathodic protection, are electrically insulated from the feeder pipes.

9.5 Valve Boxes, Vent Chambers and Freeze Pits

9.5.1 Exposed pipe type cable systems shall be inspected for the following:

a. Verify that there is no missing, damaged or disbonded coating on feeder pipes, joint casings and fluid piping. Inspections and repair methods shall be similar to those specified in Paragraph 9.1.8

b. Verify that the enclosure is structurally sound.

c. Verify that there is no evidence of dielectric fluid leaks from the feeder pipes, joint casings, associated parts or fluid piping.

9.6 Potheads

9.6.1 The potheads, exposed riser pipes and fluid piping shall be visually inspected for cracks, chips and dielectric fluid leaks. If dirt is found on the porcelains, the porcelains shall be completely cleaned with a suitable cleaner and fired with lintless cloths. Excessive contamination may cause the pothead to flash-over externally. The form in Exhibit E shall be completed whenever an inspection is performed.

NOTE

Any other test required will be at the request of Transmission Feeders Engineering.

a. Verify that the feeder pipes, including dielectric fluid pressurizing connections are isolated from the station grounds, piping, structures, circulating pump piping and from electrical conduits.

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9.7 DIELECTRIC FLUID SAMPLES

9.7.1 Dielectric fluid samples shall be taken as indicated in Exhibit A and also from the following places when requested by the Section Manager, Transmission Feeders Engineering, or Central Engineering Department.

a. The valve at the bottom of the joint (to be taken by the Transmission Operations Department).

b. The pressurization plant tank drain valve (to be taken by the Substation Operations Department).

9.7.2 The samples shall consist of four one pint samples. These samples shall be properly tagged and submitted to the Corporate EH&S Chemical Laboratory for testing. For the proper method of sampling and tagging see Exhibit B "Sampling of Dielectric Fluids".

9.7.3 When taking dielectric fluid samples, the top of the joint or high points shall also be bled to check for any trapped gas pockets. It is important to note the presence of any gas preceding the fluid. This information shall be sent to the Section Manager, Transmission Feeder Engineering, or Central Engineering Department as necessary.

9.7.4 Dielectric fluid samples may be required for DGOA. The frequency and sampling shall be as indicated in Exhibit A. The procedure outlined in Exhibit C shall be followed when taking DGOA samples.

9.8 SCOPE OF ANNUAL STRAY VOLTAGE PROGRAM

9.8.1 The cover and frame of all publicly accessible manholes containing pipe-type cable systems and any other structures stated in Section 2.0 that are publicly accessible will be tested for stray voltage each year (December 1 through November 30 cycle). The annual testing will be conducted by a contractor in accordance with Specification EO-10358, Annual Contractor Stray Voltage Inspection Procedure. If stray voltage is found, the procedures stated in section 9 must be followed.

9.8.2 The Section Manager, Transmission Operations Department, shall process and maintain the reports of annual stray voltage testing to ensure that all structures have been tested each year and the corrective repairs have been made.

10.0 DOCUMENTATION

10.1 Transmission Operations shall periodically notify field personnel in Central Gas Operations, Transmission Operations, Substation Operations ad Steam Business Unit Fossil Power Plants of the inspections due in accordance with the annual schedule of work.

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10.2 Field crews, including Central Gas Operations, Transmission Operations, Substation Operations and Steam Business Unit Fossil Power Plants shall complete an appropriate inspection form (Exhibit D and/or E), which enumerates each item to be inspected. It shall be forwarded to the Section Manager, Transmission Operations Department for review and entry into the electronic work management system.

10.3 The Section Manager, Transmission Operations Department, shall process and maintain the reports to ensure that the periodic inspection is performed and the corrective repairs have been made. Conditions that impact system reliability shall be identified and forwarded to the Section Manager, Transmission Feeders Engineering or Electrical Engineering Department for review and recommendation as required.

10.4 A summary report of the abnormal conditions found and repairs performed shall be issued quarterly by the Transmission Operations Department to the Section Manager, Transmission Feeders Engineering of the Central Engineering Department for analysis and recommendations. A report in compliance with CE-PS 1062 Section 10 must be updated on a monthly basis.

11.0 ACCEPTANCE CRITERIA

11.1 None.

12.0 RESTORATION

12.1 None.

13.0 ANALYSIS

13.1 Exhibit A – Period of Inspections

13.2 Exhibit B – Sampling of Dielectric Fluid

13.3 Exhibit C – DGOA Sampling Procedure

13.4 Exhibit D – Manhole and Joint Computer Inspection Form

13.5 Exhibit E – Pothead Computer Inspection Form

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EXHIBIT A
FREQUENCY OF INSPECTION/SAMPLING/TESTING

ITEM	INSPECTION FREQUENCY	RESPONSIBLE
Manholes (Street)	Four Years	TO
Manholes (Diffusion Chamber & Trifurcating)	Four Years	TO
Stray Voltage Testing per NYSPSC	Once per year, must be completed by 11/30 of each year for reporting purposes	TO
Joints	Follow Manhole Inspections	TO
Risers, Joints and Exposed Pipe Sections on Bridges	Annual (Visual)	TO
Risers, Joints and Exposed Pipe Sections in Tunnels	Weekly (Visual) Three Years (Detail)	GO GO
Rainey Tunnels	Monthly (Visual) Four Years (Detail)	TO TO
Vent Chambers Valve Boxes & Freeze Pits	Six Months Four Years	TO TO
Potheads Infrared "Hot Spot" DGOA Sampling	Annual (Visual) Annual As Required by Engineering Request	SSO/SBU SSO/SBU TO
Dielectric Fluid Sampling		
Pumping Plants	Six Months	SSO
New Feeder or Piping Replacement	Three Months	TO
Replacement		
Repaired Feeder Due to Contamination or Failures (Except rapid circ Feeders)	Once Per Month for three months	TO
Joints	As requested by Engineering	TO

NOTES: ***SBU – Steam Business Unit; GO-Central Gas Operations; TO-Transmission Operations; SSO-Substation Operations***

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EXHIBIT B
SAMPLING OF DIELECTRIC FLUID

Samples shall be taken in such a manner that the tests shall indicate the true characteristics of the dielectric fluid. Care must be taken to prevent the samples from being contaminated by handling. The following procedures shall be followed to ensure this:

1.0 Obtain the approved type jar as per Specification EO-100,229. Check the lid to see that it is not loose, if the lid is loose ***do not use***.

2.0 It is undesirable to do any sampling when the relative humidity of the surrounding area exceeds 90%. Samples shall not be taken in the rain unless adequate protection is taken to protect the samples from free water.

3.0 To prevent condensation, a sample container which is colder than the ambient temperature shall be heated until its temperature is at ambient or above prior to taking the sample.

4.0 One 1-pint sample of dielectric fluid shall be taken from the sampling point without draining or flushing any fluid from the sampling point. Visually observe the sample for the presence of free water. If free water is found during the sampling, this condition shall be immediately reported to the Section Manager, Transmission Feeders Engineering, Substation and Transmission Engineering Department and the Section Manager, High Pressure Cable Systems and Welding, Transmission Operations Department.

5.0 Three additional 1- pint samples of dielectric fluid shall be taken from the same sampling point as in item 4.0, but prior to this, a minimum of one gallon of fluid shall be drained from the sampling point. This gallon shall be removed from the manhole and disposed of based on analysis or generator knowledge.

6.0 The sampling Jar shall be kept sealed until immediately before use and shall be resealed, immediately after the sample is taken.

7.0 The sample tubing shall be placed at the bottom of the jar and dielectric fluid slowly introduced (without agitation) until approximately one half of the volume of the jar is allowed to overflow. The container' s lid shall be immediately replaced and tightened. It should then be properly tagged by attaching the standard stock Dielectric FLUID Sample Tag (Form No. 17-17). All information on the tag shall be filled in. The sample shall be protected from light by placing the sample in a cardboard carton with compartments and a cover.

8.0 The tests to be performed on the fluid samples shall be as per the Purchase and Test Specification for that fluid. All the following tests are required. Color; moisture content; neutralization number; dielectric strength; power factor and resistivity. Tests after aging are not required.

9.0 The fluids and the corresponding specification are as follows:

9.1 EO-6317 Insulating Fluid for Use in 138kV Pipe-Type Cable Feeders.

9.2 EO-6318 Low Viscosity Synthetic Insulating Fluid.

10.0 Tests shall be performed on any fluid samples found to contain free water, if requested by Engineering to quantify the amount of calcium, magnesium, chloride, hardness, Ph, and conductivity.

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EXHIBIT C
DGOA SAMPLING PROCEDURE

INSTALLATION OF FITTINGS

1.0 Remove the plug or cap and attach the pipe adaptor to the fluid sampling valve of the cable system (pothead or joint). Make sure the pipe adaptor is in a horizontal position.

2.0 Attach the 3-Way valve assembly to the pipe adaptor. The pipe adaptor has an O-ring seal. There is no need to over tighten the 3-Way valve assembly onto the pipe adaptor. The needle on the 3-Way valve assembly should be pointing straight up. The black valve handle should be in the OFF (horizontal) position.

3.0 Once all the fittings are connected, open the fluid sampling valve on the pothead or joint and check for leaks. Slowly turn the black valve handle down. Dielectric fluid will flow from Drain Port #1. Use a bucket to contain this fluid. Flush 1 pint through to clean out the fittings. After the flush is complete, turn the 3-Way valve to the OFF (horizontal) position.

FLUID SAMPLING

1.0 Insert a sample vial into the Quick Connect Fitting. The metal cap on the sample vial will lock into the Quick Connect Fitting.

2.0 Slowly turn the valve handle up. Fluid will begin to drip out of the needle and drain from Drain Port #2. Use a bucket to contain this fluid. Insert the Quick Connect Fitting (with the sample vial attached) onto the needle. The needle will pierce the rubber cap of the vial. Dielectric fluid will then be entering the sample vial. Allow the vial to fill with approx ½" to ¾" of fluid. DO NOT allow the sample vial to fill, since the glass is not designed to withstand the pressure of the cable system.

3.0 Pull the Quick Connect Fitting (with the sample vial attached) off the needle. Do not close the 3-Way Valve Assembly. Dielectric fluid will continue to drip out of the needle and drain from Drain Port #2. Use a bucket to contain this fluid.

4.0 Remove the used sample vial from the Quick Connect Fitting and replace it with an unused sample vial. Insert the Quick Connect Fitting (with the sample vial attached) onto the needle. The needle will pierce the rubber cap of the vial. Dielectric fluid will then be entering the sample vial. Allow the vial to fill with approx ½" to ¾" of fluid. DO NOT allow the sample vial to fill, since the glass is not designed to withstand the pressure of the cable system.

5.0 Pull the Quick Connect Fitting (with the sample vial attached) off the needle. Close the 3-Way Valve Assembly. Close the sample valve on the pothead or joint. Disconnect the 3-Way Valve Assembly and the Pipe Adaptor. Use pads to contain any residual fluid that may weep from the fittings.

6.0 Re-install (with Teflon tape) the cap or plug on the sampling valve of the cable system.

7.0 Write down the vial number, date and sample location on the form provided with the sample vials.

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EXHIBIT C
DGOA SAMPLING PROCEDURE

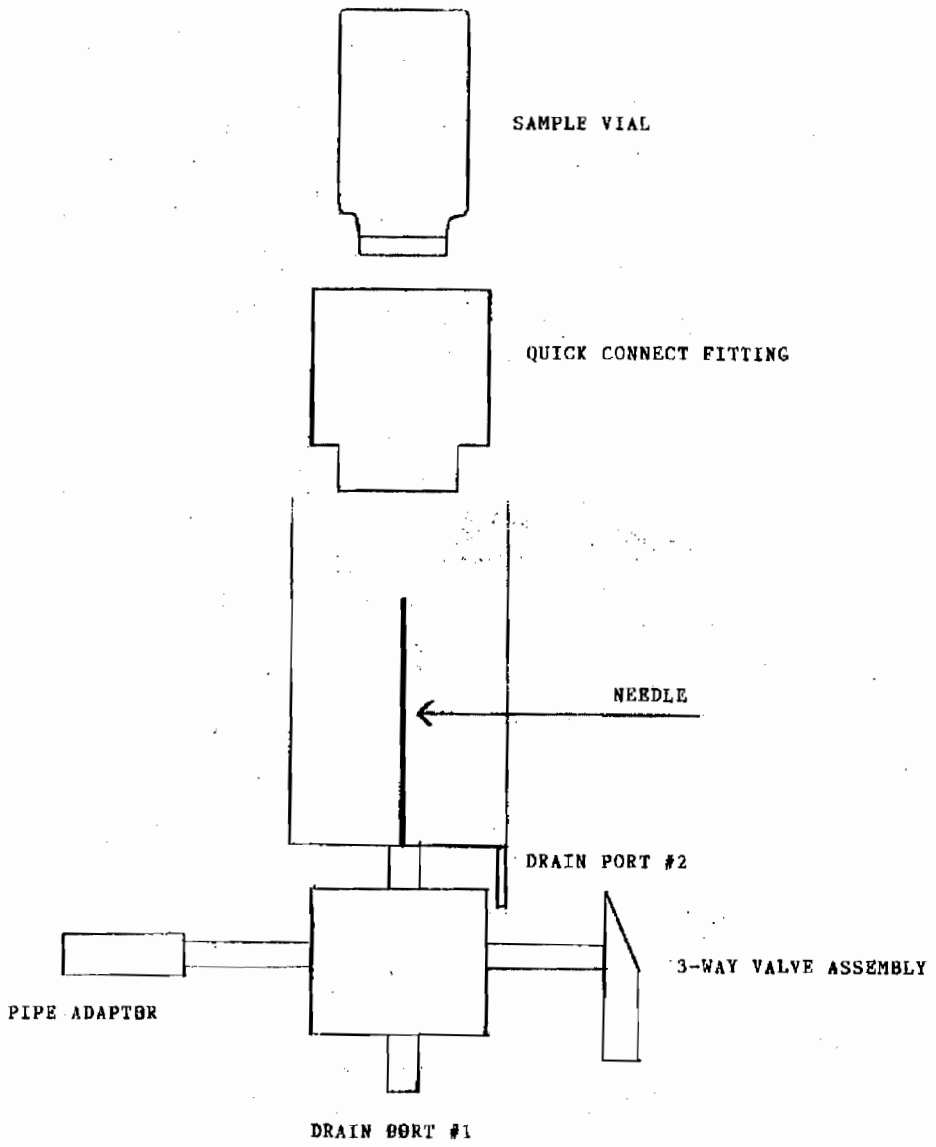

EXHIBIT D

HIGH PRESSURE PIPE TYPE FEEDER
INSPECTION

Step	Description	YES	NO
0	ARE MANHOLE INSERTS NOT IN PLACE		
1	STRUCTURE UNSOUND		
2	CASTING/AREA AROUND CASTING IRREGULAR		
3	COVER DAMAGED		
4	OIL IN MANHOLE		
5	SUMP CONCRETE OR SOIL OR SEWER		
6	REFACE/REPACK DUCTS		
7	RECTIFIER CABLE NOT CONNECTED (CATHODIC PROTECTION)		
8	THERM WIRE IMPROP.TERMINATED		
9	TERMINAL BOX -MISSING OR DEFECTIVE		
10	NEAR SHUNT MISSING/FAR SHUNT IMPROP. TREMINATED		
11	# 10 WIRE NOT CONNECTED		
12	NO COATING - COATING DAMAGED OR MISSING		
13	JOINT - CASING SUPPORT UNSOUND		
14	1 INCH OR 2 INCH WEATHERHOOD MISSING		
15	OIL / GAS LEAK- ON PIPE/ JOINT OR VALVE-CLASS 'A'		
16	BOND PAD NOT ATTACHED TO PIPE- NOT COATED		
17	PIPE BONDING IRREG / MISSING		
18	CORROSION ON- JOINT/ VALVE/ PIPE REDUCER		
19	PIPE PACKING LEAKING		
20	PIPE TOUCHING SLEEVE		
21	OIL LINE /BYPASS PIPE DAMAGED/ MISSING		
22	CORROSION ON OIL LINE/BY PASS PIPE		
23	OIL LINE BYPASS VALVES NOT TAGGED		
24	OIL / GAS LEAK EVIDENT (OIL LINE/ BYPASS)-CLASS'A'		
25	IS MANHOLE NOT TAGGED		
26	ARE FEEDERS NOT TAGGED		
27	STRAY VOLTAGE PRESENT (IF PRESENT RECORD VALUE) VOLTS_____		
28	SECONDARY SERVICE PRESENT IN STRUCTURE		

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EXHIBIT E

Maximo/AutoTour Job Plan Step Listing
Job Plan = SSO-CP-POTHEAD Description POTHEAD INSPECTION (EO-6045)

SSO_CP_POTHEAD_001	*Your work order number is:*	**This is your Maximo work order number.**	This number is Auto-populated by Maximo and should not be changed.	Answer
SSO_CP_POTHEAD_049	*Are Potheads visible?*	**Are the Potheads visible?**		Answer
SSO_CP_POTHEAD_037	*Check for porcelain damage.*	**Is there porcelain damage to any phases?**		Answer
SSO_CP_POTHEAD_043	*Which Phase/Phases have the problem?*	**Which Phase/Phases have the problem?**		Answer A only, B only, C only, A and B, B and C, C and A, ALL phases
SSO_CP_POTHEAD_039	*Check if potheads dirty.*	**Are any potheads dirty on any phases?**		Answer
SSO_CP_POTHEAD_044	*Which Phase/Phases have the problem?*	**Which Phase/Phases have the problem?**		Answer A only, B only, C only, A and B, B and C, C and A, ALL phases
SSO_CP_POTHEAD_038	*Check for oil leaks*	**Are there oil leaks on any phases?**		Answer
SSO_CP_POTHEAD_045	*Which Phase/Phases have the problem?*	**Which Phase/Phases have the problem?**		Answer A only, B only, C only, A and B, B and C, C and A, ALL phases
SSO_CP_POTHEAD_031	*Report any new leaks to E2MIS/Maximo immediately*	**Report any new leaks to E2MIS/Maximo immediately.**		Answer
SSO_CP_POTHEAD_040	*Check for shifting structure.*	**Is the structure shifting on any phases?**		Answer
SSO_CP_POTHEAD_048	*Which Phase/Phases have the problem?*	**Which Phase/Phases have the problem?**		Answer A only, B only, C only, A and B, B and C, C and A, ALL phases
SSO_CP_POTHEAD_041	*Check Kellum grips*	**Are the Kellum grips irregular on any phases?**		Answer
SSO_CP_POTHEAD_046	*Which Phase/Phases have the problem?*	**Which Phase/Phases have the problem?**		Answer A only, B only, C only, A and B, B and C, C and A, ALL phases
SSO_CP_POTHEAD_042	*Check Baseplate Insulators.*	**Are the Baseplate Insulators damaged on any phases?**		Answer
SSO_CP_POTHEAD_047	*Which Phase/Phases have the problem?*	**Which Phase/Phases have the problem?**		Answer A only, B only, C only, A and B, B and C, C and A, ALL phases

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Program	Unit Description	Union						Total Labor Cost	Accounts Payable Costs	Total Cost Per Unit	Budgeted Units (4 Year Average)	Total Cost	Comments
		Transmission Operations			Transportation								
		Manhour Rate	Labor Hours per Unit	Total Cost per Unit	Manhour Rate	Labor Hours per Unit	Total Cost per Unit		Materials				
Basic Manhole Inspection	Manhole	$74.00	19	$1,406.00	$97.00	0	$0.00	$1,406.00	$0.00	$1,406.00	443	$622,858.00	
Enhanced MH Inspections	Manhole	$74.00	24	$1,776.00	$97.00	2	$194.00	$1,970.00	$175.00	$2,145.00	443	$950,235.00	Material Charges include Asbestos removal kits, waste disposal, PPE, and new tapecoat.

Redacted

Company Name: Con Edison
Case Description:
Case: 08-E-0539

Response to DPS Interrogatories – Set DPS28
Date of Response: 07/30/2008
Responding Witness: Shared Services

Question No. :425
Subject: Follow up to DPS-158 - In response to DPS-158 regarding Flush Facilities: a) Identify the O&M costs reductions that will result by implementing the proposed upgrades to the four flush facilities. Identify where the Company has accounted for these cost savings in its filing. b) What is the forecasted date of completion for each of the four flush facilities projects?

Response:

A. This project's primary goal is to assure sustained facility reliability given the extreme criticality of these operations in maintaining the electric distribution system. Although Con Edison anticipates avoiding various maintenance costs for the aging flush facilities, these expenditures would most likely be associated with future component failures as opposed to routine preventative maintenance activities. Such potential cost avoidances have not been quantified in this filing. See prior Company responses relating to flush facilities.

B. Facility designs have yet to be finalized, and as such, a construction plan has not been developed. Con Edison is not able to reliably forecast completion dates for the four facilities at this time.

Company Name: Con Edison
Case Description:
Case: 08-E-0539

Response to DPS Interrogatories – Set DPS28
Date of Response: 08/06/2008
Responding Witness: Shared Services

Question No. :426
Subject: Information Resources - Per Exhibit SSP-12 Page 2 of 3, the Company is requesting an annual expense of $650,000 for a new "Human Resource System Payroll Support". The exhibit indicates that the estimated service date of the program is 2008, the estimated completion date is 2009, and the status is that this program is in the process of being developed and tested with implementation planned later in 2008. The exhibit further states that among the anticipated benefits of this system the justification for the annual cost is to provide a common systems platform for the Company and Orange & Rockland Utilities, Inc. (O&R) ; allow older, high maintenance legacy systems to be retired; streamline HR, payroll, and time transaction processing; etc... Given this description, there should be a cost offset associated with implementation of the program: a) Explain why O&M expenses associated with the program are being included as a program change in the rate year ending 3/31/2010, in addition to the historical costs of the older systems it replaces. b) Provide a cost benefit analysis of the new system compared to maintaining the old systems, including what the operating cost of the old system is. c) Have the economic benefits related to the new system been reflected in the Company's rate filing? If so, identify them and where they are reflected. If not, explain why it is not appropriate to reflect the savings in rates.

Response:
The $650,000 is the licensing fee for the new system. The current programs for HR payroll do not have licensing fees. Regarding a cost benefit analysis, please see response to DPS 281.1.

Company Name: Con Edison
Case Description:
Case: 08-E-0539

Response to DPS Interrogatories – Set DPS31
Date of Response: 08/04/2008
Responding Witness: IIP

Question No. :476
Subject: Structural Integrity / Station Betterment - 1. Provide data supporting expenditures of $6,795,000 over three years. 2. Provide cost justification and internal documentation used to justify this program.

Response:
The following information is being provided as cost justification for the Structural Integrity/Station Betterment program. Facility related repairs in the categories of concrete pads and footings, trough covers, substation walls and equipment protective coatings will be addressed as part of this on-going program. The problems to be addressed are identified during the routine course of business. The funding required to support this program is $6,795,000 for 3 years. The funding request includes $2,000,000 per year is comprised of:

- $2,000,000/year for various projects under the categories shown below
- $795,000 for East 13th St. elevated bus restoration
    - $475,000 in 2009
    - $320,000 in 2010

As work to be performed under this program is continually being identified, the proposed work shown below represents projects that have been identified to date and does not fully encompass the entire requested amount as it is anticipated additional projects will be identified during the rate case period. Estimates provided in most cases represent an approximate cost based on historical expenditures for similar work scopes.

This program proactively addresses long term facility and equipment degradation caused by exposure to the elements as well as normal wear over time. This restoration work is considered O&M and is beyond the scope included in the base O&M budget.

E13th St. Elevated Bus Restoration:
The East 13th Street Station has approximately 500 feet of cable trays on the upper flight deck. The cable trays are designed with covers, approximately five foot in length, for access. Each cover has hinges and fasteners to keep closed. The entire assembly cover, sides and bottom show signs of corrosion and are in need of repair. The existing trays were fabricated with galvanized steel and painted approximately twenty years ago. Galvanized steel will show evidence of corrosion within twenty years if not protected. The paint protecting the galvanized steel has exceeded the normal service life of alkyd paints.

The cable trays should be painted using an epoxy/urethane system that will protect the galvanized steel from further corrosion. Severely corroded and inoperable hinges should be

replaced as needed. All covers should be aligned and secured, new fasteners should be installed as required.

A detailed estimate of this work explaining the cash flow identified above is provided in the attachment labeled: "E13th St Flight Deck".

Painting:

Feeder Towers
Scope: Work requires lead competent trained personnel and plasticizing around tower base to catch lead chips. Scope includes scraping of existing peeling paint, grinding and removal of any rust, application of a primer coat and then the finish coat. An 80 foot or 150 foot man lift is required depending on the reach. Feeder outages are required.

List of towers to be painted
Millwood -16 towers
Buchanan - 7 towers
Eastview - 8 towers
Total: 25 towers

Estimated cost:
Total cost/ tower = $25,000
31 x $25,000 = $775,000

Station Painting
Scope: The following stations have been identified as requiring structural steel painting and/or paint removal.
Farragut
Greenwood
Gowanus
Plymouth St.
Hudson Ave East
Sherman Creek
Hellgate
Bruckner
E179th St
Fox Hills
Fresh Kills
North Queens
Astoria East/West
Rainey
Queensbridge
Dunwoodie
East 13th St - This includes structural steel as well as a need to repair or replace various relay houses throughout station.

East River

Estimated cost: The required work to access (scaffolding or lifts), remove peeling paint, prepare steel, and paint in each of these stations is substantial. Detailed cost estimates have not yet been fully developed.

Transformers

Scope: The transformers require lead abatement which includes encapsulation, HEPA tools, and qualified workers. The units must then be primed, and finish painted. The radiators must be painted using the dipped method. The main tank top surface must be painted with a non-skid, slip resistant paint.

1 - Pleasantville Spare
2 - Astoria Item #1 - 420 MVA Spare
3 - Rainey Tr-7W
4 - Astoria Item #2 - 327 MVA Spare
5 - Ramapo 1500 -1
6 - Astoria Item #11 58 MVA Spare
Estimated cost
Estimated cost per transformer: $40,000 - $50,000
Total cost: $240,000 - $300,000 for 6 transformers

Concrete Footings/ Walls:

Breaker pad restoration:

Millwood	7 pads	$950,000
Sprainbrook	7 pads	$500,000
Pleasant Valley	3 pads	$225,000
Dunwoodie	2 pads	$50,000
Ramapo	2 pads	$85,000

Additional concrete repair has been identified at the following stations:
Brownsville
Gowanus
North Queens
Jamaica
E179th St
Hellgate
Sherman Creek
Dunwoodie
E29th St
E36th St
W42nd St
Webster Ave
East 13 St - Ave C Sidewalk

East River - Half of Sidewalk on Ave C (Both ER and E13ST to be completed late summer 2008, cost is $120K)

Estimated cost: The extent of necessary repairs at each station varies. This work includes breaker, switchgear, and relay house foundation repairs, structural steel foundation repairs, and building and retaining wall refurbishment. Detailed cost estimates have not yet been developed.

Trough Covers

Scope: Replace degradation trough covers and perform repairs to trough walls as necessary.

The following stations require cable trough cover replacement and repairs:

Fresh Kills	$100,000
Fox Hills	$50,000
Goethals	$50,000
Sherman Creek	$65,000
Millwood	$150,000
Sprain Brook	$100,000
Dunwoodie	$75,000
Ramapo	$75,000
Farragut	$100,000
Greenwood	$50,000
Gowanus	$50,000
Hudson Ave East	$50,000
Rainey	$75,000
Astoria East	$50,000

E13TH ST ELEVATED BUS RUN

	2007 ACTUAL	2008 Forecast	2009 RATE CASE	2010 RATE CASE	2011 RATE CASE
Number of Employees	0	0	0	0	0
Hours required	0	0	0	0	0
Number of Days (outage)	0	0	0	0	0
Total Labor Hours	0	0	0	0	
EOT Conversion	0	0.00	0.00	0.00	
Manhour Rate		0	0	0	0
Total Union Labor	$0	$0	$0	$0	$0
Misc		$0	$10,000	$10,000	$0
Materials and Supplies Replace covers, hinges, hasp & weather stripping	0	$0	$40,000	$40,000	0
Scaffolding	0	$0	$75,000	$75,000	$0
Repair and paint of cable tray	0	$0	$40,000	$40,000	$0
TOTAL	$0	$0	$155,000	$165,000	$0
Number of Units	$0	0	3	2	0
Dollars Req	$0	$0	$475,000	$320,000	$0

Redacted

Company Name: Con Edison
Case Description:
Case: 08-E-0539

Response to DPS Interrogatories – Set DPS31
Date of Response: 08/06/2008
Responding Witness: IIP

Question No. :486
Subject: DPS-194 – Underground Secondary Reliability - 1. Regarding DPS-194, question 1, specifically what was the increased in material and labor cost? 2. In the Company's response to DPS-194, question 2, you indicated that there was a decrease in cable section installation in 2006 compared to 2005 and 2007. However, Staff's review of DPS-40, exhibit IIP-5, indicates that the Company spent much more in 2006 compared to 2005 and 2007, which I presume you installed more sections in 2006 than the other two years. Explain why the number of sections replaced based on the spending level indicated in your response to DPS-40 is higher than what you indicated in your response to DPS-194? 3. What is the total number of service box rounded covers and rectangular covers in the system? 4. In response to DPS-194, 1,951 service box vented covers were replaced. How many were rectangular and how many were rounded? 5. In exhibit IIP-5, page 18 of your work papers, the cost for the 2009 secondary rebuild based on the unit cost and the number of replacements shows the following: Cables sections – 2000 units at a cost of $10,000/unit = $20,000,000 Obstructed sections – 500 units at a cost of $13,600/unit = $6,800,000 Structure conductor upgrade – 412 units at a cost of $10,000 = 4,120,000 The total cost of the secondary rebuild based on the above calculations is $30,920,000. The forecasted funding level table on page 18 shows $46,891,000. Explain the difference between the unit cost calculations and the forecasted funding level.

Response:

1. Regarding DPS-194, question 1, specifically what was the increased in material and labor cost?

The actual cost of low voltage distribution cable experienced by the Company, due to the rapid acceleration of the cost of the underlying raw materials, increased 14% for the most commonly used cables on the secondary system between 2006 and 2007. The Company labor accounts for 29% of the unit cost and between 2006 and 2007, Company labor costs increased by 12%

2. In the Company's response to DPS-194, question 2, you indicated that there was a decrease in cable section installation in 2006 compared to 2005 and 2007. However, Staff's review of DPS-40, exhibit IIP-5, indicates that the Company spent much more in 2006 compared to 2005 and 2007, which I presume you installed more sections in 2006 than the other two years. Explain why the number of sections replaced based on the spending level indicated in your response to DPS-40 is higher than what you indicated in your response to DPS-194?

The Response to DPS-194 did not include the number of sections replaced in the Long Island City Network in 2006. An additional 1518 sections were installed in the LIC network in 2006.

3. What is the total number of service box rounded covers and rectangular covers in the system?

We have approximately 174,500 Service Boxes in our system. There are an estimated 106,000 round service box covers and the remaining are rectangular covers.

4. In response to DPS-194, 1,951 service box vented covers were replaced. How many were Rectangular and how many were rounded?

All 1,951 were all rectangular in shape.

5. In exhibit IIP-5, page 18 of your work papers, the cost for the 2009 secondary rebuild based on the unit cost and the number of replacements shows the following:
Cables sections – 2000 units at a cost of $10,000/unit = $20,000,000
Obstructed sections – 500 units at a cost of $13,600/unit = $6,800,000
Structure conductor upgrade – 412 units at a cost of $10,000 = 4,120,000
The total cost of the secondary rebuild based on the above calculations is $30,920,000. The forecasted funding level table on page 18 shows $46,891,000. Explain the difference between the unit cost calculations and the forecasted funding level.

The white paper should have been updated to reflect the correct work units. Please see the attached revised white paper.

The actual breakdown for 2009 is as follows:
Cables sections – 3000 units at a cost of $10,000/unit = $30,000,000
Obstructed sections – 600 units at a cost of $13,600/unit = $8,160,000
Structure conductor upgrade – 877 units at a cost of $10,000 = $8,770,000
The total cost of the secondary rebuild based on the above calculations is $46,891,000.

Redacted

Electric Operations - Capital

Project/Program Title	Underground Secondary Reliability Program
Status	Ongoing
Estimated Service Date	Ongoing

Work Description:

Initiate a system wide Underground Secondary Cable Replacement Program to increase overall system performance reliability and mitigate public safety events such as electric shock, manhole fire and manhole explosion incidents. The program targets the reinforcement of the secondary grid infrastructure by targeting aging secondary cable and underground structures to eliminate congestion.

The program also includes installation of vented metal service box covers on the street and vented composite service box covers on the sidewalks. The program requires replacing all covers with vented composite covers on the sidewalk and at the minimum of one cover panel at all service box locations on the street.

Justification:

Targeted replacement of underground secondary cable will improve system reliability and prevent future failures.

The installation of vented service box covers will help to reduce the buildup of combustible gases associated with secondary events, reducing the severity of underground events and enhancing public safety. EPRI testing results indicate the success of vented covers in terms of cover dislodgement. The installation of vented manhole covers has successfully validated the effect of ventilation in mitigating secondary events. Smoke emitted through the ventilated cover creates a visible indicator for the public thereby increasing public safety. The proposed installation of vented composite (i.e. electrically insulating) service box covers on the sidewalks will enhance public safety by mitigating stray voltage in addition to the combustible gases.

Failed secondary cables or open mains on the networks reduce the reliability of the secondary network system, stress remaining transformers and secondary mains and expose customers to a higher risk of outage. We have identified areas in the targeted networks to improve the performance of the secondary networks. We will also employ extensions of secondary burnouts where practical when the underground has determined the existing secondary could cause potential problems. Energy services will be extending service jobs where inspections show problems with existing secondary.

Estimated Completion Date:
Ongoing

Planning and Budgeting:

The purpose of this program is to enhance public safety by reducing the severity of underground events by installing vented covers which will help reduce the buildup of combustible gases associated with secondary events and mitigating stray voltage with the installation of vented composite service box covers on the sidewalks.

Redacted

Electric Operations - Capital

The breakdown of the secondary reliability work planned by year is listed in the table below:

	2009	2010	2011	2012
Cable Sections	3000	2400	3000	4000
Obstructed Sections	600	480	600	800
Structure Conductor Upgrades	877	474	368	452
Vented Covers	11,400	21,000	21,000	21,000

The material and labor cost associated with the replacement of the rectangular covers located on the sidewalk is estimated to be at $1,150 for the composite material and $150 for installation with a grand total of $1,300, per cover.
The round covers located on the sidewalk will cost $350 for metal covers and $150 for installation with a grand total of $500, per cover.
The rectangular covers located on the street will cost $450 for metal covers and $150 for installation with a total of $600, per cover.
The material and labor cost associated with each secondary cable section is $10,000/section.
The material and labor cost associated with each obstructed secondary cable section is $13,600/section. The cost is higher due to excavation required to remove the old conduit and labor as well as material costs associated with adding new conduit.
The material and labor cost associated with an underground structure upgrade is $10,000/unit. This cost includes the cost of permit, excavation, paving, enlarging the facility, material, relocating existing facilities and labor.

Status:
Ongoing

Funding ($000)

	Forecast 2009	Forecast 2010	Forecast 2011	Forecast 2012	Forecast Total
Secondary Rebuild	46,891	35,237	41,806	55,352	179,286
Vented covers	8,375	15,375	15,375	15,375	54,500

	Forecast 2009	Forecast 2010	Forecast 2011	Forecast 2012	Forecast Total
Total	55,266	50,612	57,181	70,727	233,786

STAFF IR DPS-498

REDACTED

(1 page)

Company Name: Con Edison
Case Description:
Case: 08-E-0539

Response to DPS Interrogatories – Set DPS32
Date of Response: 08/06/2008
Responding Witness: IIP

Question No. :501
Subject: Electric Operations – Network Reliability - Provide the current working estimates (CWE) and schedule for the 2008, and 2009-2012 network reliability work.

Response:

The CWE for 2008 network reliability work is $18.441 Million.

Regarding the remainder of the 2008 network reliability schedule, Bronx-Westchester has one scheduled network reliability job (De-bifurcation of Feeder 2X21) that is currently scheduled for completion in August.

There is no CWE or schedule for 2009-2012 for network reliability. In general, the Company completes all the reliability work before June 1 of any given year. The budget for those years remains the same as was included in the white paper.

Company Name: Con Edison
Case Description:
Case: 08-E-0539

Response to DPS Interrogatories – Set DPS33
Date of Response: 08/12/2008
Responding Witness: IIP

Question No. :508
Subject: DPS 98 – Replace 345 kV and 138 kV Circuit Breakers - In your response to DPS 98, question 2, you implied that there was cost savings achieved associated with replacing versus overhauling a breaker. This potential cost savings is illustrated in your analysis of replacing all 138 kV breakers that were manufactured by Westinghouse and CASP. Provide the same analysis for all manufacturers type 345 kV and 138 kV breakers that were replaced instead of repaired for 2006 and 2007. Show a summary table for each similar to what was provided in the response to question 2. Summarize what the cost savings were for each year from not having to conduct maintenance work for each of the breakers that were replaced versus overhauled.

Response:
Attached is a list of the breakers replaced in 2006 and 2007. Explanations and cost comparisons of overhaul vs. replacement for those breakers other than 1380 SF6 and CASP 45 are provided where applicable.

PPTY
There were thirteen 138kV Merlin Gerin PPTY circuit breakers on the Con Edison system that were replaced. These breakers had been approaching 30 years of age and were due for their second round of major maintenance. They were two pressure breakers with obsolete technology and had been experiencing reliability and parts issues. The cost of overhaul of these breakers approached the cost of replacement and a program to replace them was implemented. Provided is a unit cost comparison of overhauling the 4 Eastview breakers vs. the actual average replacement cost:

Estimated overhaul cost	
Labor	$168,000
Materials	$50,000
Overhead/Contingencies	$84,000
Total	$302,000

Average actual replacement cost = $349,000

ATB
A program to replace the remaining forty four 345kV GE type ATB breakers was established in 2002. The long term plan was to replace six ATB breakers a year, resulting in the replacement of all the ATB's within a seven year period.

The performance of the 345kV General Electric ATB circuit breakers on our system has been suspect. They require attention for issues such as low air pressure, low CT column SF6 gas pressure, control block assembly deterioration and air pressure reduction valve misoperation. They have been requested "off on emergency" to address their problems. Some of the breakers were overdue for overhaul and are likely to become increasingly less reliable. The cost to overhaul these breakers was comparable to the replacement cost of installing a state of the art, much more reliable breaker.

SFV 40

The Westinghouse, type SFV breaker was a 30 year old breaker that utilized obsolete technology. This breaker type was unique as it was the only one used on our system. Spare parts were not available and refurbished parts were very difficult to get. (The company that manufactured this type of breaker does not exist any longer.) This circuit breaker had a long history of problematic performance. It had been taken out on emergency several times and had numerous gas calls. This history of leaking SF6 gas was an environmental problem that needed to be corrected. All attempts to rectify this problem on the existing breaker did not produce satisfactory results.

FA2

These Merlin Gerin breakers were replaced to create system spares to expedite maintenance on other similar breakers. These breakers were not disposed of but instead overhauled in a controlled environment. Therefore an overhaul vs. replacement cost analysis is not applicable.

ITE GA 25-20

This breaker was 36 years old and its interruption rating (40kA) created operating limitations to the system. The replacement breaker had a much higher interruption rating (63kA) that was necessary for continued system reliability. An overhaul vs. replacement cost analysis is not applicable.

Maintenance cost savings:

The attached table shows the total CM and gas calls for the 5 year period preceding replacement of the breaker compared to the total CM and gas calls since replacement. Despite a couple of breaker problems that required correction (for example, Ramapo breaker T-77-94-2 had to have the C phase contacts replaced in December 2007 due to multiple reclosures on a feeder fault) there is significant improvement in breaker performance due to the replacements including elimination of all SF6 gas leaks. In addition, the maintenance cycles for the new breakers are longer than those of the older breakers thereby reducing the overall life cycle maintenance cost.

		RETIRED		REPLACEMENT	
DESCRIPTION	INSTALL DATE	CM HOURS	GAS CALLS	CM HOURS	GAS CALLS
Eastview1	11/28/2006	17	0	0	0
Eastview 3	10/13/2006	218.5	0	84	0
Eastview 6	2/6/2006	110.5	0	0	0
Eastview 7	3/2/2006	73.5	0	0	0

Farragut 3W	12/4/2006	360.5	62	133	0
Farragut 5E	1/11/2006	753	1	0	0
Farragut 5W	4/17/2006	50	39	0	0
Farragut 8W	3/20/2007	364.5	28	0	0
Farragut 10E	12/31/2007	237	2	0	0
Fresh Kills 5	12/21/2007	335	14	78.5	0
Millwood 9	10/22/2006	423.5	19	0	0
Millwood 14	11/24/2007	205	2	1	0
Rainey 3E	1/5/2007	16	56	0	0
Rainey 7W	3/16/2007	285	32	17	0
Rainey 8E	1/8/2008	573	54	0	0
Ramapo T-77-94-2	11/4/2006	86	10	353	0
Sprain Brook N7	4/30/2007	635	31	1	0
Sprain Brook RN5	10/22/2007	112	1	0	0

Company Name: Con Edison
Case Description:
Case: 08-E-0539

Response to DPS Interrogatories – Set DPS33
Date of Response: 08/12/2008
Responding Witness: IIP

Question No. :522
Subject: Cable System Enhancement – Pothead Alarm - 1. IR-333 response b.) stated that "Seven mechanical manifold installations requiring feeder outages (i.e. pipe connection) have been completed leaving the non-outage work to wire these installations still remaining." Provide the total actual expenditures for the seven mechanical manifold installations referred to in your response to IR-333.

Response:

Please see below for the list of seven potheads alarms and the expenditures incurred.

Feeder ID	Cost Expenditure
38X01	35,208.21
38X02	29,628.99
15031	48,369.09
15032	52,698.72
15053	64,130.81
28241	41,369.17
28242	72,824.47
TOTAL	**344,229.46**

Company Name: Con Edison
Case Description:
Case: 08-E-0539

Response to DPS Interrogatories – Set DPS36
Date of Response: 08/19/2008
Responding Witness: IIP

Question No. :541.1
Subject: Capital Investment and Generator Interconnection 1. The Company's response to DPS-136.2C did not include the in-service months for all of the projects. In Excel format, provide electronically the in-service month and year of the capital projects listed on IIP-4.

Response:

An updated response to DPS-136.2C is provided in revised attachment. In addition, an explanation of the program service dates is detailed below.

Transmission Feeder Failures

This is an "On-Going" program with no predicted final service date for program completion. A cable failure on the transmission cable system cannot be predicted in advance. A failure usually occurs because the cables insulation system lacks sufficient dielectric strength to support the applied voltage. This program's objective is to provide funding for repairs of feeders when a complete replacement of a cable section between manholes is required or if it requires a pothead replacement. This program will maintain the transmission system reliability.

DEC Program Line

In the beginning of 2008, four remaining stop joints were required to be installed – on Feeders 38R55 and 38R56 which cross the Fresh Kills Creek in Staten Island. These stop joints (two per year) were scheduled to be installed in 2008 and 2009. For reliability reasons, Con Edison petitioned the NYSDEC to postpone the installation of these stop joints until 2010-11, when an additional, parallel transmission feeder is installed. The NYSDEC approved this postponement in May 2008. A copy of this approval as well as the rational for the postponement is attached. Refer to Attachment "DEC_Modified Order on Consent and Cover Ltr."

However, since this approval was received after the development of the 2009 capital program which is outlined in the Exhibit, the projected cash flow outlined in the exhibit will naturally be revised. Note that as a precaution, because of the lead time necessary to obtain the stop joints, the procurement of the stop joints was initiated prior to the NYSDEC approval of the postponed of the installation of the joints.

Emergent Transmission Reliability

This is an "On-Going" program with no predicted service date for program completion. This project is initiated to address emerging issues that affect the reliability of the transmission system. Projects will be determined based upon an annual review of feeder operations.

Environmental Enhancements

Leak detection systems are presently installed on several transmission feeders with rapid circulation. There is a need for such systems for static feeders or for feeders with slow circulation. Presently there are two independent R&D development projects addressing this problem and they are at various stages of development. It is forecasted that the R&D development of the systems will be completed in 2009. The company is currently in the planning stages with implementation plans for the systems, including scope of work and scheduling.

Upgrade Overhead 345kV Transmission Structures

This is an "On-Going" program with no projected service date for program completion at this time. The subject project provides for structural modeling, evaluation and potential upgrades on specific 345 kV steel towers. The analysis of the existing system is key in identifying potential upgrades to reduce the potential for failures, thus improving reliability. The analysis is in progress for prioritized sections of the system and the schedule for packages and construction will be developed based on the findings. Sensitive feeder outages are required to upgrade certain members and significant coordination is required with System Operations.

DPS - 136 - 2C (Original)
DPS36-541.1 (Revised)

CONSOLIDATED EDISON COMPANY OF NEW YORK, INC.
SYSTEM AND TRANSMISSION OPERATIONS CAPITAL PROJECTS
TRANSMISSION OPERATIONS CAPITAL PROJECTS / PROGRAMS

DESCRIPTION	SERVICE DATE	$000s Rate Case Submission 2009	2010	2011	3 Year Total
SUPPORT ECONOMIC GROWTH		**$ 21,144**	**$ 23,000**	**$ 1,000**	**$ 45,144**
Vernon - W49th St-38M72 Upgrade	May 2010	20,144	22,000	-	42,144
Dynamic Feeder Rating	Dec 2013	1,000	1,000	1,000	3,000
Sub-Total		**$ 21,144**	**$ 23,000**	**$ 1,000**	**$ 45,144**
SYSTEM AND COMPONENT PERFORMANCE		**$ 184,300**	**$ 140,300**	**$ 87,600**	**$ 412,200**
179th St-Reinforcement - M29 (Includes Academy)	Pre-summer 2011	130,000	75,000	15,000	220,000
Sprain Brook - W 49th St-Feeder M51	Dec 2010	6,700	6,700	-	13,400
Cable System Enhancement - Pothead Alarms	Dec 2011	500	500	500	1,500
Replace 69M43/69M44 With 38M53 & 38M54	May 2009	3,000	-	-	3,000
Reinforce Hudson River Crossing Towers	Dec 2011	3,000	2,400	1,800	7,200
Replacement of Feeders 18001 & 18002	May 2011	21,000	30,000	20,000	71,000
Emergent Transmission Reliability	ON GOING	10,000	10,000	10,000	30,000
Replace Feeder 69M41 & 69M45	Dec 2013	-	-	6,000	6,000
Re-Conductor Dunwoodie – Sprain Brook Transmission Corridor	Dec 2011	1,500	4,000	4,000	9,500
Manhattan-Replace 69kV Feeders On QBB	Dec 2012	-	3,000	14,000	17,000
Feeder 34182/4	May 2014	-	-	5,000	5,000
Staten Island-Feeders 38R51 And 38R52	Dec 2013	-	-	4,000	4,000
Transmission Feeder Failures	ON GOING	5,000	5,000	5,000	15,000
Upgrade Overhead 345kV Transmission Structures	ON GOING	2,100	2,200	2,300	6,600
Staten Island-M-Line Tower Relocation	Dec 2010	1,500	1,500	-	3,000
Sub-Total		**$ 184,300**	**$ 140,300**	**$ 87,600**	**$ 412,200**
PUBLIC SAFETY AND ENVIRONMENTAL		**$ 1,750**	**$ 1,750**	**$ 1,750**	**$ 5,250**
DEC Program Line	Dec 2011	1,750	-	-	1,750
Environmental Enhancements	ON GOING	-	1,750	1,750	3,500
Sub-Total		**$ 1,750**	**$ 1,750**	**$ 1,750**	**$ 5,250**
TOTAL TRANSMISSION OPERATIONS		**$ 207,194**	**$ 165,050**	**$ 90,350**	**$ 462,594**

New York State Department of Environmental Conservation
Office of General Counsel, Region 2
47-40 21ST Street, Long Island City, NY 11101-5407
Phone: (718) 482-4965 • **FAX:** (718) 482-4962
Website: www.dec.ny.gov

Alexander B. Grannis
Commissioner

May 22, 2008

RECEIVED
MAY 27 2008
CON EDISON LAW DEPT.

Eric Dessen
Associate Counsel
Law Department
4 Irving Place Room 1810-S
New York, NY 10003

Re: Consolidated Edison Company of New York, Inc. DEC File No. R2-1023-88-06 et seq.

Dear Mr. Dessen:

Enclosed is an original fully executed Modified Order on Consent for the above referenced matter. Please retain this for your records.

If you have any questions please contact me at (718) 482-4965.

Very truly yours,

Louis P. Oliva

Louis P. Oliva
Regional Attorney

STATE OF NEW YORK
DEPARTMENT OF ENVIRONMENTAL CONSERVATION

In the Matter of the Alleged Violations of Articles 17, 25 and 27 of the New York State Environmental Conservation Law and Article 12 of the Navigation Law and of the regulations promulgated pursuant thereto at Parts 370, *et seq.*, 610, *et seq.*, 661, *et seq.*, 700, *et seq.* and 750, *et seq.* of Title 6 and Part 30, *et seq.*, of Title 17 of the Official Compilation of Codes, Rules and Regulations of the State of New York,

-by-

CONSOLIDATED EDISON COMPANY OF NEW YORK, INC.,

Respondent.

MODIFIED ORDER ON CONSENT

DEC File Nos. R2-1023-88-06, *et seq.*

WHEREAS:

1. The New York State Department of Environmental Conservation (the "Department") is responsible for the enforcement of the Environmental Conservation Law ("ECL") of the State of New York, and Title 6 of the Official Compilation of the Codes, rules and regulations of the State of New York and any Orders issued thereunder;

2. It is the responsibility of the Department to conserve, improve and protect New York's natural resources and environment and control water, land and air pollution in order to enhance the health, safety and welfare of the people of the State and their overall economic and social well-being;

3. Consolidated Edison Company of New York, Inc. ("Respondent" or "Con Edison") is a corporation incorporated under the laws of the State of New York with offices at 4 Irving Place, New York, New York and is a "person" as defined in ECL §§17-0105, 25-0103, and 27-0901;

4. On December 21, 2006, the Department and Respondent entered into a Consolidated Order on Consent, DEC File Nos. R2-1023-88-06, *et seq.*, ("Consolidated Consent Order"), that provides for, among other things, installation by 2009 of stop joints at the river crossings of Respondent's 138 kV and 345 kV dielectric fluid feeder cables (see Appendix D);

5. Respondent has completed installation of stop joints on all but two feeders: 38R55 and 38R56. The Department and Respondent agree that deferral of installation of stop joints on these feeders until after installation of a parallel, new feeder in 2010 would reduce the risk of customer outages;

6. The Department and the Respondent now desire to make certain modifications to Appendix D ("Full Stop Joints") of the Consolidated Consent Order; and

7. The Respondent hereby waives its right to a hearing in the manner provided for by law with respect to this matter, consents to the issuance of this Modified Order on Consent, and agrees to be bound by the terms, provisions and conditions contained herein.

NOW, THEREFORE, having considered this matter and being duly advised, **IT IS ORDERED THAT:**

ARTICLE I. Appendix D, Paragraph A of the Consolidated Consent Order, is modified to read as follows:

A. Since 1995, Con Edison has been installing full stop joints on its 138 kV and 345 kV dielectric feeder cables that cross waterways in

order to prevent the release of dielectric fluid into the waterway in the event of a release of fluid from the cable. Full stop joints have been installed every year since 1995 except 2001, when no stop joints were installed because of the September 11, 2001 World Trade Center attacks. There are two existing 138 kV feeder cables that require installation of full stop joints. These are feeder cables 38R55 and 38R56. Full stop joints will be installed in manholes on both sides of the crossings of feeder cables 38R55 and 38R56. The four stop joints for these two feeder cables will be installed by the end of 2011.

ARTICLE II. Except for the Modifications set forth herein, the Consolidated Consent Order shall remain in full force and effect and the terms thereof and the obligations therein are incorporated herein and shall apply with the same force and effect to the provisions of this Modification. The terms of the Consolidated Consent Order, including all appendices and subsequent modifications, are not otherwise modified or expanded in any way.

ARTICLE III. The terms hereof shall constitute this complete and entire Modification of the Consolidated Consent Order. No term, condition, understanding or agreement purporting to modify the terms of the Consolidated Consent Order shall be binding unless subscribed to by both parties in accordance with the terms of the Consolidated Consent Order.

ARTICLE IV. This Modification to the Consolidated Consent Order shall be effective upon execution by the Department.

Dated: Long Island City, New York
May 21, 2008

ALEXANDER B. GRANNIS
Commissioner
New York State Department of
Environmental Conservation

By: Suzanne Y. Mattei
SUZANNE Y. MATTEI
Regional Director
NYSDEC Region 2

CONSENT BY RESPONDENT

Consolidated Edison Company of New York, Inc. hereby consents to the issuing and entering of this Modified Order on Consent, waives its right to a hearing herein as provided by law, and agrees to be bound by this Modified Order on Consent.

By: Randolph Price
Randolph S. Price

Title: VP – EH&S
Vice President, EH&S

Date: 5/14/08

STATE OF NEW YORK)
ss:
COUNTY OF NEW YORK)

On the 14th day of May, in the year 2008, before me, the undersigned, personally appeared Randolph Price personally known to me or proved to me on the basis of satisfactory evidence to be the individual(s) whose name is (are) subscribed to the within instrument and acknowledged to me that he/she/they executed the same in his/her/their capacity(ies), and that by his/her/their signature(s) on the instrument, the individual(s), or the person upon behalf of which the individuals acted, executed the instrument.

Audrey Lillo Fraser

AUDREY LILLOO FRASER
Notary Public, State of New York
No. 41-4993984
Qualified in Queens County
Commission Expires March 30, 2010

Company Name: Con Edison
Case Description:
Case: 08-E-0539

Response to DPS Interrogatories – Set DPS36
Date of Response: 08/19/2008
Responding Witness: IIP

Question No. :541.2
Subject: Capital Investment and Generator Interconnection - 2. For the capital projects listed on IIP-9, in Excel format, provide electronically the in-service month and year for each of the capital projects.

Response:
Refer to Attachment DPS36 Q541.2 for requested information.

CONSOLIDATED EDISON COMPANY OF NEW YORK, INC.
SYSTEM AND TRANSMISSION OPERATIONS CAPITAL PROJECTS
SYSTEM OPERATION CAPITAL PROGRAMS

	($000s)					
	Rate Case Submission					
DESCRIPTION	2,009	2,010	2,011	3 Year Total	Project Title	Service Date
ADVANCED TECHNOLOGY	**$ 10,150**	**$ 8,700**	**$ 2,750**	**$ 21,600**		
Energy Management Systems	2,000	-	-	2,000	REPLACEMENT PROGRAM SOCCS-X ENERGY MANAGEMENT SYSTEM	December-09
Work Management Systems	3,250	3,250	300	6,800	DISTRIBUTION ORDERS ENHANCEMENTS	On-going
					OUTAGE SCHEDULING SYSTEM	December-10
EMS Continuance	-	500	1,000	1,500	EMS CONTINUANCE AECC AND ECC	On-going
Operation Requirements (On-Line Systems)	3,400	2,650	500	6,550	INTERFACE WITH NYISO	On-going
					MAX GENERATION / FAST LOAD PICK-UP	December-09
					GT REMOTE START SYSTEM	December-09
					PLANT INFORMATION SYSTEM	September-12
					CYBER SECURITY	On-going
					EMS FOR ELECTRIC/STEAM OPERATION	September-10
					OPERATIONS NETWORK FOR EMS	On-going
District Operations Improvement	1,000	1,800	950	3,750	SYSTEM OPERATION ENHANCEMENTS	On-ongoing
					DISTRICT OPERATOR TASK MANAGING SYSTEM	On-ongoing
					OPERATION MANAGEMENT SYSTEM ENHANCEMENTS	December-12
Bulk Power Improvements	500	500	-	1,000	SOCCS VISUALIZATION	December-10
Sub-Total	**$ 10,150**	**$ 8,700**	**$ 2,750**	**$ 21,600**	_	
OTHER	**$ 6,650**	**$ 1,050**	**$ 500**	**$ 8,200**	ADD DIESEL GENERATOR	June-09
Facilities / Utilities Improvements	6,650	1,050	500	8,200	EAST CONTROL ROOM RENOVATIONS	June-09
					HVAC UPGRADE - EAST COMPUTER ROOM	December-09
					COMPUTER ROOM RENOVATION	December-12
					ECC/AECC FACILITY SECURITY ENHANCEMENTS	December-10
					TRAINING AREA EXPANSION	December-10
					OPERATOR CONSOLE REPLACEMENT	June-09
					ECC UPS BATTERY REPLACEMENT	December-12
	$ 6,650	**$ 1,050**	**$ 500**	**$ 8,200**		
TOTAL SYSTEM OPERATION	**$ 16,800**	**$ 9,750**	**$ 3,250**	**$ 29,800**		

* On-going - Projects consist of the addition of new tools and enhancements that are placed into production each year.

Redacted

Exhibit __ (SIIP-1)
Page 892 of 896

STAFF IR DPS-541.3

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(39 pages)

Company Name: Con Edison
Case Description:
Case: 08-E-0539

Response to DPS Interrogatories – Set DPS37
Date of Response: 08/21/2008
Responding Witness: IIP

Question No. :556
Subject: Cost Savings - For every Electric Operations program that proactively replaces equipment prior to failure, identify program and expected level of cost savings do to equipment replacement prior to failure.

Response:

As stated in DPS 13 IR 190, equipment is removed pro-actively as a result of many programs (see below descriptions of the key Electric Operations programs). This equipment would previously not have been identified for removal until it failed. The main goal of these programs is focused on the reduction of public safety risks associated with equipment failures, maintaining system reliability, decreased environmental impacts (e.g., due to oil spills from ruptures), decreased emergency feeder processing, and decreased third party and Company property damage. In some cases, there is also the benefit of cost savings if and to the extent that the cost of replacing equipment on a planned, proactive basis is less than the cost of replacing such equipment on an emergency basis, as is the case for primary cable (i.e., approximately $18,000 per section versus approximately $23,000 per section). This reduced cost is reflected in the revenue requirement in terms of the projected number of sections of primary cable to be replaced on a proactive basis and on a planned basis.

Primary Feeder Relief
As of June 1, 2008, approximately 250 primary distribution feeders were reinforced to meet the forecasted load of summer 2008. Annually the distribution system is reviewed to determine which primary feeders are to be upgraded to meet the forecasted peak electric demand. Elements such as limiting sections of the feeders are reinforced through replacing with higher capacity cables. This activity prepares the distribution system for the summer peak demands so that the feeders will not fail due to overloading conditions.

Network/Non Network Transformers Replacements
Similar to cable reinforcement, distribution transformers are also analyzed and reinforced to upgrade or add required capacity to the system. Overloaded transformers can fail during peak demand periods resulting in associated feeder failures and is a significant public safety and reliability risk in the network. In addition transformers that are identified through testing such as DGOA and RMSPTO programs are replaced before failure as they pose a significant public safety risk.

Osmose (C Truss)
This program inspects the poles on the system and identifies poles that should be replaced due to age or deterioration. The C truss program is an industry accepted economical method to reinforce weakened poles before they fail and result in property damage, injury or service reliability.

Anderson Switches
These switches have been identified as being failure prone especially during switching operations. They represent a higher risk to the employees who operate them. Replacing them prior to failure is a program aimed at ensuring employee and system safety.

HiPot
This is a diagnostic testing program to identify incipient weaknesses on the distribution cable prior to failure to maintain reliability of the distribution system during summer periods. Pre testing the feeders allow the company to plan, schedule and apply the test to critical feeders in a network and provide for their continued reliable performance.

PILC
The planned replacement of paper cable is a network reliability program to remove aged and poor performing cable. Paper cable and its associated joints have higher than average failure rates and therefore prevent a greater risk for multiple feeder failures in a network. Replacing them on a proactive basis minimizes this significant risk.

Vented Manhole Cover
Manhole events continue to pose a significant public safety risk. Exhaustive studies and analysis have determined that replacing solid covers with vented covers lessen the risk of manhole events that could result in injuries, damage to third party property and/or damage to other feeders in the structure. This program was proactively commenced in 2005. We have replaced 49,000 covers to date (out of a total population of 63,000 covers).
Below is each program that proactively replaces equipment before failure.

Primary Feeder Relief
Network/Non Network Transformers Relief
NonNetwork Fdr Relief (Open Wire)
4 kV Feeder & Wire Relief
Overhead Transformer Relief
Secondary Main Relief

Osmose (C Truss)
Anderson Switches
Autoloop Reliability (27kV Inc'l.)
Aerial Cable Replacement
#4,#6 Self Supporting Wire

ESCO Switch Replacement (Kyle)
33 kV Interruptible Switches
3 Phase Gang Switch Replacement
4 kV Feeder Sectionalizing/ Add'l Kyle
Additional 13 kV Feeder Sectionalizing
Automated Emergency Ties
Overhead Feeder Reliability/VRS Replacement
Rear-Lot Pole Elimination
SSM/4KV Feeder Breakers

Oil Minders
HiPot
PILC
Vented Manhole Cover
4 kV Substations - Reliability
4 kV UG Reliability

Network transformer replacements >115% <125%
Network Transformer Replacements >100% <115%

Underground Secondary Reliability Program
Secondary Open Mains
Overhead Secondary Reliability Program
Remote Monitoring Transmit Meters Pressure Temperature/Oil
Intelligent OH DAS Autoloop System
Sectionalizing Switches
Grounding transformers
Shunt reactors
4 kV Cable Replacement
Known Point Splice
Targeted Primary DBC Replacement
Coastal Storm Risk Mitigation
Network Reliability
URD Cable Rejuvenation/Fault Indicator
ATS Installation USS Reliability XW
House Isolation Transformers