

# New York Implementation Standard

## For Standard Electronic Transactions

TRANSACTION SET

# 867

## Historic Interval Usage

### Ver/Rel 004010

	<b>Summary of Changes</b>
<b>March 31, 2017 Version 1.0</b>	<b>Initial Release</b>

	<p><b>Notes pertaining to the use of this document</b></p>
<p>Purpose</p>	<ul style="list-style-type: none"> <li>• This implementation guide describes the format and content for an 867 transaction containing historic interval usage data by account. This transaction will be sent to the ESCO of record, subsequent to enrollment.</li> <li>• The 867 Historic Interval Usage Transaction is an optional transaction. The initial release reflects the business requirements and systems capabilities of the utility(ies) requesting development of the transaction. To the extent other utilities elect to support the transaction, it is anticipated that other modifications to this transaction may be proposed.</li> </ul>
	<ul style="list-style-type: none"> <li>• Release 1.0 will be supported by Consolidated Edison and Orange &amp; Rockland. References to Utility Maintained EDI Guides are placeholders; for the purpose of this release it should be presumed that these utilities are exercising the option provided in the note. For example, that note “If it is possible to have an interval and non-interval meter on the same account within its service territory, the utility will specify such in its Utility Maintained EDI Guide” should be read as “Con Ed may have interval and non-interval meters on the same account”.</li> </ul>
	<ul style="list-style-type: none"> <li>• The will not be a separate Business Process document for this transaction; it will be addressed as a sub-process in the 867HU Business Process document.</li> </ul>

# Implementation Guideline Field Descriptions

**Segment:** **REF** Reference Identification  
**Position:** 030  
**Loop:** LIN Optional  
**Level:** Detail  
**Usage:** Optional  
**Max Use:** >1  
**Purpose:** To specify identifying information  
**Syntax Notes:**  
 1 At least one of REF02 or REF03 is required.  
 2 If either C04003 or C04004 is present, then the other is required.  
 3 If either C04005 or C04006 is present, then the other is required.  
**Semantic Notes:**  
 1 REF04 contains data relating to the value cited in REF02.  
**Comments:**  
**Notes:**  
 Account numbers will only contain uppercase letters (A to Z) and digits (0 to 9). Note that punctuation (spaces, dashes, etc.) must be excluded, and leading and trailing zeros that are part of the account number must be present.  
 Request: Required  
 Accept Response: Required  
 Reject Response: Required unless account number was not provided on the request.  
 REF\*12\*2931839200

This section shows the X12 Rules for this segment, with the exception of the Usage and Max Use fields, which include NY rules. For Usage, "Optional (Must Use)" means that the segment is Optional for X12, but required for NY. You must also review the gray boxes below for additional NY Rules.

This section displays the NY Rules for implementation of this segment.

One or more examples.

## Data Element Summary

	<u>Ref. Des.</u>	<u>Data Element</u>	<u>Name</u>	<u>X12 Attributes</u>
Mand.	REF01	128	<b>Reference Identification Qualifier</b> Code qualifying the Reference Identification 12 Billing Account Utility-assigned account number for the customer.	M ID 2/3
Must Use	REF02	127	<b>Reference Identification</b> Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier	X AN 1/30

This column documents differences between X12 and NY use for each data element:  
 Mand. (Mandatory) – Required by X12  
 Must Use – Required by NY  
 Cond. (Conditional)  
 Optional

These are X12 code descriptions, which often do not relate to retail access functions/descriptions. In these guides the meaning of codes has been changed to correspond to retail access transactions as needed.

These columns show the X12 attributes for each data element:  
 M = Mandatory  
 O = Optional  
 X = Conditional  
  
 AN = Alphanumeric  
 N# = Implied Decimal  
 ID = Identification  
 R = Real  
 DT = Date (CCYYMMDD)

# 867 Historic Interval Usage

Functional Group ID=**PT**

## Introduction:

This Draft Standard for Trial Use contains the format and establishes the data contents of the Product Transfer and Resale Report Transaction Set (867) for use within the context of an Electronic Data Interchange (EDI) environment. The transaction set can be used to: (1) report information about product that has been transferred from one location to another; (2) report sales of product from one or more locations to an end customer; or (3) report sales of a product from one or more locations to an end customer, and demand beyond actual sales (lost orders). Report may be issued by either buyer or seller.

## Notes:

This guide documents the format and content of the TS867 used to respond to either an 814 Request for Consumption History or a secondary request for history data made coincident with an 814 Enrollment Request.

Each 867 transaction contains history interval usage data for a single account for a single commodity (Electric or Gas). The consumption history may be either historic interval usage data or a gas profile.

## Heading:

Page No.	Pos. No.	Seg. ID	Name	Req. Des.	Max.Use	Loop Repeat	Notes and Comments
4	010	ST	Transaction Set Header	M	1		
5	020	BPT	Beginning Segment for Product Transfer and Resale	M	1		
LOOP ID - N1							1
6	080	N1	Name (ESCO)	O	1		
LOOP ID - N1							1
7	080	N1	Name (Utility)	O	1		
LOOP ID - N1							1
8	080	N1	Name (Customer)	O	1		
9	100	N3	Address Information (Service Address)	O	1		
10	110	N4	Geographic Location (Service Address)	O	1		
11	120	REF	Reference Identification (Utility Account Number)	O	1		
12	120	REF	Reference Identification (Previous Utility Account Number)	O	1		
13	120	REF	Reference Identification (ISO Location Based Marginal Pricing Zones)	O	1		
14	120	REF	Reference Identification (Gas Pool ID)	O	1		

## Detail:

Page No.	Pos. No.	Seg. ID	Name	Req. Des.	Max.Use	Loop Repeat	Notes and Comments
LOOP ID - PTD							>1
15	010	PTD	Product Transfer and Resale Detail (Metered Summary)	O	1		
16	030	REF	Reference Identification (Utility Rate Service Class)	O	1		
17	030	REF	Reference Identification (Rate Sub Class)	O	1		
18	030	REF	Reference Identification (Load Profile)	O	1		
LOOP ID - QTY							>1
19	110	QTY	Quantity	O	1		
20	160	MEA	Measurements	O	40		
22	210	DTM	Date/Time Reference (Period Start Date)	O	1		
23	210	DTM	Date/Time Reference (Period End Date)	O	1		

NY 867 Historic Interval Usage

			LOOP ID – PTD		>1
24	010	PTD	Product Transfer and Resale Detail (Unmetered Usage)	O	1
25	030	REF	Reference Identification (Utility Rate Service Class)	O	1
26	030	REF	Reference Identification (Rate Sub Class)	O	1
27	030	REF	Reference Identification (Load Profile)	O	1
			LOOP ID – QTY		>1
28	110	QTY	Quantity	O	1
29	160	MEA	Measurements	O	1
30	210	DTM	Date/Time Reference (Period Start Date)	O	1
31	210	DTM	Date/Time Reference (Period End Date)	O	1
			LOOP ID – PTD		>1
32	010	PTD	Product Transfer and Resale Detail (Metered Consumption Detail)	O	1
33	030	REF	Reference Identification (Meter Number)	O	1
34	030	REF	Reference Identification (Utility Rate Service Class)	O	1
35	030	REF	Reference Identification (Rate Sub Class)	O	1
36	030	REF	Reference Identification (Load Profile)	O	1
			LOOP ID – QTY		>1
37	110	QTY	Quantity	O	1
38	160	MEA	Measurements	O	40
40	210	DTM	Date/Time Reference (Period Start Date)	O	1
41	210	DTM	Date/Time Reference (Period End Date)	O	1
			LOOP ID – PTD		1
42	010	PTD	Product Transfer and Resale Detail (Additional Information)	O	1
43	030	REF	Reference Identification (Customer Supply Status)	O	1
44	030	REF	Reference Identification (Industrial Classification Code)	O	1
45	030	REF	Reference Identification (Utility Tax Exempt Status)	O	1
46	030	REF	Reference Identification (Account Settlement Indicator)	O	1
47	030	REF	Reference Identification (NYPA Discount Indicator)	O	1
48	030	REF	Reference Identification (Utility Discount Indicator)	O	1
49	030	REF	Reference Identification (Enrollment Block)	O	1
50	030	REF	Reference Identification (Bill Cycle Code)	O	1
			LOOP ID - QTY		>1
51	110	QTY	Quantity (ICAP)	O	1
52	210	DTM	Date/Time Reference (ICAP Effective Dates)	O	1
			LOOP ID - QTY		
53	110	QTY	Quantity (Number of Meters)	O	1
54	030	REF	Reference Identification (Meter Number)	O	1
			LOOP ID - PTD		>1
55	010	PTD	Product Transfer and Resale Detail (Interval Usage Summary – Account Level)	O	1
56	030	REF	Reference Identification (Utility Rate Service Class)	O	1
57	030	REF	Reference Identification (Rate Sub Class)	O	1
58	030	REF	Reference Identification (Interval Reading Period)	O	1
59	070	DTM	Date/Time Reference (Period Start Date)	O	1
60	070	DTM	Date/Time Reference (Period End Date)	O	1
			LOOP ID – QTY		>1
61	110	QTY	Quantity (Interval Quantity – Account Level)	O	1
62	125	DTM	Date/Time Reference (Report Period)	O	1
			LOOP ID – PTD		>1
63	010	PTD	Product Transfer and Resale Detail (Interval Meter Detail)	O	1

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64	030	REF	Reference Identification (Meter Number)	O	1
65	030	REF	Reference Identification (Utility Rate Service Class)	O	1
66	030	REF	Reference Identification (Rate Sub Class)	O	1
67	030	REF	Reference Identification (Interval Reading Period)	O	1
68	070	DTM	Date/Time Reference (Period Start Date)	O	1
69	070	DTM	Date/Time Reference (Period End Date)	O	1
LOOP ID – QTY					>1
70	110	QTY	Quantity (Interval Quantity – Meter Level)	O	1
71	125	DTM	Date/Time Reference (Report Period)	O	1

**Summary:**

<u>Page No.</u>	<u>Pos. No.</u>	<u>Seg. ID</u>	<u>Name</u>	<u>Req. Des.</u>	<u>Max.Use</u>	<u>Loop Repeat</u>	<u>Notes and Comments</u>
72	030	SE	Transaction Set Trailer	M	1		
E-1			Examples				

**Transaction Set Notes:**

1. The N1 loop is used to identify the transaction participants.
2. The PTD\*BO and/or the PTD\*BC and/or the PTD\*BQ loops are sent in response to requests for historic usage. A PTD\*BG loop may be sent with historic usage to provide gas profile factors.
3. The PTD\*BG and the PTD\*SM loops are sent by utilities in response to requests for gas profile data.

**Segment:** **ST** Transaction Set Header  
**Position:** 010  
**Loop:**  
**Level:** Heading  
**Usage:** Mandatory  
**Max Use:** 1  
**Purpose:** To indicate the start of a transaction set and to assign a control number  
**Syntax Notes:**  
**Semantic Notes:** 1 The transaction set identifier (ST01) is used by the translation routines of the interchange partners to select the appropriate transaction set definition (e.g., 810 selects the Invoice Transaction Set).  
**Comments:**  
**Notes:** Required  
 ST~867~0001

**Data Element Summary**

	<b>Ref.</b>	<b>Data</b>		<b>Attributes</b>
	<b><u>Des.</u></b>	<b><u>Element</u></b>	<b><u>Name</u></b>	
<b>Mand.</b>	<b>ST01</b>	<b>143</b>	<b>Transaction Set Identifier Code</b>	<b>M ID 3/3</b>
			867 Product Transfer and Resale Report	
<b>Mand.</b>	<b>ST02</b>	<b>329</b>	<b>Transaction Set Control Number</b>	<b>M AN 4/9</b>
			This control number uniquely identifies the transaction set delimited by this ST and its corresponding SE segment within a functional group.	



**Segment:** **BPT** Beginning Segment for Product Transfer and Resale  
**Position:** 020  
**Loop:**  
**Level:** Heading  
**Usage:** Mandatory  
**Max Use:** 1  
**Purpose:** To indicate the beginning of the Product Transfer and Resale Report Transaction Set and transmit identifying data  
**Syntax Notes:** 1 If either BPT05 or BPT06 is present, then the other is required.  
**Semantic Notes:** 1 BPT02 identifies the transfer/resale number.  
 2 BPT03 identifies the transfer/resale date.  
 3 BPT08 identifies the transfer/resale time.  
 4 BPT09 is used when it is necessary to reference a Previous Report Number.  
**Comments:**  
**Notes:** Required  
 BPT~52~2001062730326001~20010627~DD

**Data Element Summary**

	<u>Ref.</u>	<u>Data</u>	<u>Name</u>	<u>Attributes</u>
<u>Mand.</u>	<u>Des.</u>	<u>Element</u>		
	<b>BPT01</b>	<b>353</b>	<b>Transaction Set Purpose Code</b>	<b>M ID 2/2</b>
			52 Response to Historical Inquiry	
			Response to a request for consumption history or gas profile.	
<b>Must Use</b>	<b>BPT02</b>	<b>127</b>	<b>Reference Identification</b>	<b>O AN 1/30</b>
<b>Mand.</b>	<b>BPT03</b>	<b>373</b>	<b>Date</b>	<b>M DT 8/8</b>
			This is the date that the transaction was created by the sender's application system.	
<b>Must Use</b>	<b>BPT04</b>	<b>755</b>	<b>Report Type Code</b>	<b>O ID 2/2</b>
			C1 Cost Data Summary	
			Indicates transaction is an Interval Data transaction.	
			DR Datalog Report	
			Indicates transaction contains some combination of Interval, Monthly, and/or Unmetered Data.	

**Segment:** **N1** Name (ESCO)  
**Position:** 080  
**Loop:** N1 Optional (Must Use)  
**Level:** Heading  
**Usage:** Optional (Must Use)  
**Max Use:** 1  
**Purpose:** To identify a party by type of organization, name, and code  
**Syntax Notes:**  
 1 At least one of N102 or N103 is required.  
 2 If either N103 or N104 is present, then the other is required.  
**Semantic Notes:**  
**Comments:**  
 1 This segment, used alone, provides the most efficient method of providing organizational identification. To obtain this efficiency the "ID Code" (N104) must provide a key to the table maintained by the transaction processing party.  
 2 N105 and N106 further define the type of entity in N101.  
**Notes:** Required  
 N1~SJ~~24~163456789

**Data Element Summary**

Ref.	Data	Name	Attributes
<u>Des.</u>	<u>Element</u>	<u>Name</u>	<u>Attributes</u>
Mand.	N101	98 Entity Identifier Code	M ID 2/3
		SJ Service Provider	
		Identifies the ESCO participating in this transaction.	
	N102	93 Name	X AN 1/60
		Free Form ESCO Company Name	
		Supplemental text information supplied, if desired, to provide "eyeball" identification of the ESCO. It is not necessary for successful completion of the transaction but may be provided by mutual agreement between trading partners.	
Must Use	N103	66 Identification Code Qualifier	X ID 1/2
		1 D-U-N-S Number, Dun & Bradstreet	
		9 D-U-N-S+4, D-U-N-S Number with Four Character Suffix	
		24 Employer's Identification Number	
		Federal Tax ID	
Must Use	N104	67 Identification Code	X AN 2/80
		The D-U-N-S number or the Federal Tax ID	

**Segment:** **N1** Name (Utility)  
**Position:** 080  
**Loop:** N1 Optional (Must Use)  
**Level:** Heading  
**Usage:** Optional (Must Use)  
**Max Use:** 1  
**Purpose:** To identify a party by type of organization, name, and code  
**Syntax Notes:** 1 At least one of N102 or N103 is required.  
 2 If either N103 or N104 is present, then the other is required.  
**Semantic Notes:**  
**Comments:** 1 This segment, used alone, provides the most efficient method of providing organizational identification. To obtain this efficiency the "ID Code" (N104) must provide a key to the table maintained by the transaction processing party.  
 2 N105 and N106 further define the type of entity in N101.  
**Notes:** Required  
 N1~8S~~1~006994708

**Data Element Summary**

Ref.	Data	Name	Attributes
<u>Des.</u>	<u>Element</u>	<u>Name</u>	<u>ID</u>
Mand.	N101	98 Entity Identifier Code	M ID 2/3
		8S Consumer Service Provider (CSP)	
		Identifies the Utility participating in this transaction.	
	N102	93 Name	X AN 1/60
		Free Form Utility Company Name	
		Supplemental text information that may be supplied to provide "eyeball" identification of the Utility. It is not necessary for successful completion of the transaction but may be provided by mutual agreement between trading partners.	
Must Use	N103	66 Identification Code Qualifier	X ID 1/2
		1 D-U-N-S Number, Dun & Bradstreet	
		9 D-U-N-S+4, D-U-N-S Number with Four Character Suffix	
		24 Employer's Identification Number	
		Federal Tax ID	
Must Use	N104	67 Identification Code	X AN 2/80

**Segment:** **N1** Name (Customer)  
**Position:** 080  
**Loop:** N1 Optional (Must Use)  
**Level:** Heading  
**Usage:** Optional (Must Use)  
**Max Use:** 1  
**Purpose:** To identify the customer in this transaction.  
**Syntax Notes:**  
 1 At least one of N102 or N103 is required.  
 2 If either N103 or N104 is present, then the other is required.

**Semantic Notes:**  
**Comments:**  
 1 This segment, used alone, provides the most efficient method of providing organizational identification. To obtain this efficiency the "ID Code" (N104) must provide a key to the table maintained by the transaction processing party.  
 2 N105 and N106 further define the type of entity in N101.

**Notes:** Required

The customer's current tax district must be sent in the N4 segment in this N1 loop. When an N4 segment is required, an N1 segment must also be sent to comply with X12 requirements.  
 N1~8R~MARY SMITH  
 N1~8R~NAME

**Data Element Summary**

	<u>Ref. Des.</u>	<u>Data Element</u>	<u>Name</u>	<u>Attributes</u>
<b>Mand.</b>	<b>N101</b>	<b>98</b>	<b>Entity Identifier Code</b> 8R	<b>M ID 2/3</b> Consumer Service Provider (CSP) Customer Identify the end use customer targeted by this transaction.
<b>Must Use</b>	<b>N102</b>	<b>93</b>	<b>Name</b>	<b>X AN 1/60</b> Supplemental text information that may be supplied to provide "eyeball" identification of the customer. It is not necessary for successful completion of the transaction but may be provided by mutual agreement between trading partners. Some utilities may not transmit the actual customer name but will send the literal 'NAME' in N102 position to ensure compliance with ANSI X12 requirements.

**Segment:** **N3** Address Information (Service Address)  
**Position:** 100  
**Loop:** N1 Optional (Must Use)  
**Level:** Heading  
**Usage:** Optional  
**Max Use:** 1  
**Purpose:** To specify the location of the named party  
**Syntax Notes:**  
**Semantic Notes:**  
**Comments:**  
**Notes:**

Optional  
 N3~STREET ADDRESS~OVERFLOW ADDRESS

**Data Element Summary**

	<u>Ref.</u>	<u>Data</u>		<u>Attributes</u>
	<u>Des.</u>	<u>Element</u>	<u>Name</u>	
<b>Mand.</b>	<b>N301</b>	<b>166</b>	<b>Address Information</b>	<b>M AN 1/55</b>
<b>Cond</b>	<b>N302</b>	<b>166</b>	<b>Address Information</b>	<b>O AN 1/55</b>

**Segment:** **N4** Geographic Location (Service Address)  
**Position:** 110  
**Loop:** N1 Optional (Must Use)  
**Level:** Heading  
**Usage:** Optional (Must Use)  
**Max Use:** 1  
**Purpose:** To specify the geographic place of the named party  
**Syntax Notes:** 1 If N406 is present, then N405 is required.  
**Semantic Notes:**  
**Comments:** 1 A combination of either N401 through N404, or N405 and N406 may be adequate to specify a location.  
 2 N402 is required only if city name (N401) is in the U.S. or Canada.  
**Notes:** Optional: City Name (N101), State (N102), and postal code (N103).  
 Required: The N405 qualifier (TX) and N406 (Tax District) are required.  
 N4~FLUSHING~NY~11355-2426~~TX~8005

**Data Element Summary**

<u>Ref.</u>	<u>Data</u>	<u>Attributes</u>
<u>Des.</u>	<u>Element</u> <u>Name</u>	
N401	19 City Name	O AN 2/30
N402	156 State or Province Code	O ID 2/2
N403	116 Postal Code	O ID 3/15
N405	309 Location Qualifier TX Taxing District	X ID 1/2
N406	310 Location Identifier State assigned civil division code for the tax district where the customer service is located.	O AN 1/30

**Segment:** **REF** Reference Identification (Utility Account Number)  
**Position:** 120  
**Loop:** N1 Optional (Must Use)  
**Level:** Heading  
**Usage:** Optional (Must Use)  
**Max Use:** 1  
**Purpose:** To specify identifying information  
**Syntax Notes:** 1 At least one of REF02 or REF03 is required.  
 2 If either C04003 or C04004 is present, then the other is required.  
 3 If either C04005 or C04006 is present, then the other is required.  
**Semantic Notes:** 1 REF04 contains data relating to the value cited in REF02.  
**Comments:**  
**Notes:** Required  
 REF~12~011231287654398

**Data Element Summary**

	<u>Ref.</u>	<u>Data</u>	<u>Name</u>	<u>Attributes</u>
	<u>Des.</u>	<u>Element</u>		
Mand.	REF01	128	Reference Identification Qualifier 12 Billing Account REF02 is the Utility-assigned account number for the customer.	M ID 2/3
Must Use	REF02	127	Reference Identification Utility assigned customer account number The utility account number must be supplied without intervening spaces or non-alphanumeric characters. (Characters added to aid in visible presentation on a bill, for example, should be removed)	X AN 1/30

**Segment:** **REF** Reference Identification (Previous Utility Account Number)  
**Position:** 120  
**Loop:** N1 Optional (Must Use)  
**Level:** Heading  
**Usage:** Optional  
**Max Use:** 1  
**Purpose:** To specify identifying information  
**Syntax Notes:** 1 At least one of REF02 or REF03 is required.  
 2 If either C04003 or C04004 is present, then the other is required.  
 3 If either C04005 or C04006 is present, then the other is required.  
**Semantic Notes:** 1 REF04 contains data relating to the value cited in REF02.  
**Comments:**  
**Notes:** Conditional

Where a utility changes an existing customer's account number as a business process (and as noted in its Utility Maintained EDI Guide), this segment is required when the utility assigned account number for the customer has changed in the last 90 days.  
 REF~45~9194132485705971

**Data Element Summary**

	<u>Ref. Des.</u>	<u>Data Element</u>	<u>Name</u>	<u>Attributes</u>
Mand.	REF01	128	Reference Identification Qualifier 45 Old Account Number REF02 contains the Utility's previous account number for the customer.	M ID 2/3
Must Use	REF02	127	Reference Identification Previous Utility account number for the customer This segment would be sent, for example, when a change in meter reading routes results in a change in the account number assigned to a customer.	X AN 1/30



**Segment:** **REF** Reference Identification (ISO Location Based Marginal Pricing Zones)  
**Position:** 120  
**Loop:** N1 Optional (Must Use)  
**Level:** Heading  
**Usage:** Optional  
**Max Use:** 1  
**Purpose:** To specify identifying information  
**Syntax Notes:**  
 1 At least one of REF02 or REF03 is required.  
 2 If either C04003 or C04004 is present, then the other is required.  
 3 If either C04005 or C04006 is present, then the other is required.  
**Semantic Notes:**  
 1 REF04 contains data relating to the value cited in REF02.  
**Comments:**  
**Notes:**

Conditional  
 Optional - where supported by a utility for Electric accounts as detailed in its Utility Maintained EDI Guide. May be used if available in the utility's system and if utility's service territory is located within more than one Location Based Pricing Zone in New York.  
 REF~SPL~A

**Data Element Summary**

	<u>Ref. Des.</u>	<u>Data Element</u>	<u>Name</u>	<u>Attributes</u>
Must Use	REF01	128	<b>Reference Identification Qualifier</b> Code qualifying the Reference Identification SPL Standard Point Location Code (SPLC) REF02 contains the ISO Assigned code for New York Location Based Pricing Zones when service type is EL.	M ID 2/3
Must Use	REF02	127	<b>Reference Identification</b> Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier A code assigned by the ISO that represents a location based marginal pricing zone. Valid Values for REF02:	X AN 1/30
			A WEST	
			B GENESE	
			C CENTRL	
			D NORTH	
			E MHK VL	
			F CAPITL	
			G HUD VL	
			H MILL WD	
			I DUNWOD	
			J N.Y.C.	
			K LONGIL	
			M HQ	
			O OH	
			P PJM	

**Segment:** **REF** Reference Identification (Gas Pool ID)  
**Position:** 120  
**Loop:** N1 Optional (Must Use)  
**Level:** Heading  
**Usage:** Optional  
**Max Use:** 1  
**Purpose:** To specify identifying information  
**Syntax Notes:** 1 At least one of REF02 or REF03 is required.  
 2 If either C04003 or C04004 is present, then the other is required.  
 3 If either C04005 or C04006 is present, then the other is required.  
**Semantic Notes:** 1 REF04 contains data relating to the value cited in REF02.  
**Comments:**  
**Notes:** Conditional  
 Optional - where supported by a utility for Gas accounts as detailed in its Utility Maintained EDI Guide. If requested by an ESCO not currently supplying the customer, the utility may send a gas supply area designation. If requested by an ESCO currently supplying the customer, the utility may send the Gas Pool ID to which the customer is assigned or a gas supply area designation.  
 REF~VI~211234567  
 REF~VI~TGP ZONE

**Data Element Summary**

	<u>Ref. Des.</u>	<u>Data Element</u>	<u>Name</u>	<u>Attributes</u>
Must Use	REF01	128	Reference Identification Qualifier Code qualifying the Reference Identification VI Pool Number Gas Pool IDs are assigned to a gas marketer by the Utility and are used to define a unique sub-grouping of customers.	M ID 2/3
Must Use	REF02	127	Reference Identification Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier Gas Pool ID or supply area associated with the customer.	X AN 1/30

**Segment:** **PTD** **Product Transfer and Resale Detail (Metered Summary)**  
**Position:** 010  
**Loop:** PTD Optional (Dependent)  
**Level:** Detail  
**Usage:** Optional (Dependent)  
**Max Use:** 1  
**Purpose:** To indicate the start of detail information relating to the transfer/resale of a product and provide identifying data  
**Syntax Notes:** 1 If either PTD02 or PTD03 is present, then the other is required.  
 2 If either PTD04 or PTD05 is present, then the other is required.  
**Semantic Notes:**  
**Comments:**  
**Notes:**

**Conditional**  
 Three PTD Loops with codes of BO, BC, or BQ have been provided for transmitting historic usage. Two PTD loops with codes of BG and SM are provided for transmitting gas profile data. The sender must use the correct PTD loop for the type of data being transmitted. For example, do not use PTD~BQ to send unmetered usage information. Data on unmetered service points should be summarized in the PTD~BC loop.

The PTD~BO loop is for summarized metered consumption. An account with 12 months of consumption history reported for two metered service end points would be transmitted in one PTD loop but that loop would contain multiple QTY segments - one for each period reported with separate consumption for each unit of measure and daily reported peaks as applicable (see examples).

The same Utility rate service class, rate subclass and load profile code must apply to all service points summarized in the same PTD loop. If some service end points are in a different rate service class than others, the data from those service end points should be sent in a separate PTD~BO loop.  
 PTD~BO~~~OZ~EL

**Data Element Summary**

	<b>Ref. Des.</b>	<b>Data Element</b>	<b>Name</b>	<b>Attributes</b>
<b>Mand.</b>	<b>PTD01</b>	<b>521</b>	<b>Product Transfer Type Code</b>	<b>M ID 2/2</b>
			BO Designated Items Metered Summary This loop contains a summary of the usage data from metered service points on an account for the commodity type indicated in PTD05.	
<b>Must Use</b>	<b>PTD04</b>	<b>128</b>	<b>Reference Identification Qualifier</b>	<b>X ID 2/3</b>
			OZ Product Number PTD05 contains a code identifying the commodity reported in this transaction.	
<b>Must Use</b>	<b>PTD05</b>	<b>127</b>	<b>Reference Identification</b>	<b>X AN 1/30</b>
			EL Electric Service GAS Gas Service	

**Segment:** **REF** Reference Identification (Utility Rate Service Class)  
**Position:** 030  
**Loop:** PTD Optional (Dependent)  
**Level:** Detail  
**Usage:** Optional (Must Use)  
**Max Use:** 1  
**Purpose:** To specify identifying information  
**Syntax Notes:** 1 At least one of REF02 or REF03 is required.  
 2 If either C04003 or C04004 is present, then the other is required.  
 3 If either C04005 or C04006 is present, then the other is required.  
**Semantic Notes:** 1 REF04 contains data relating to the value cited in REF02.  
**Comments:**  
**Notes:** Required  
 REF~NH~A001  
 REF~NH~1150100

**Data Element Summary**

	<u>Ref. Des.</u>	<u>Data Element</u>	<u>Name</u>	<u>Attributes</u>
Mand.	REF01	128	Reference Identification Qualifier NH Rate Card Number	M ID 2/3
			REF02 contains the Utility specific rate code that references the service class and rates applicable to the service delivery point(s) summarized in this PTD loop.	
Must Use	REF02	127	Reference Identification Utility Rate code as found in the tariff. (This code can be used to retrieve rates from a utility's web site.)	X AN 1/30

**Segment:** **REF** Reference Identification (Rate Sub Class)  
**Position:** 030  
**Loop:** PTD Optional (Dependent)  
**Level:** Detail  
**Usage:** Optional  
**Max Use:** 1  
**Purpose:** To specify identifying information  
**Syntax Notes:** 1 At least one of REF02 or REF03 is required.  
 2 If either C04003 or C04004 is present, then the other is required.  
 3 If either C04005 or C04006 is present, then the other is required.  
**Semantic Notes:** 1 REF04 contains data relating to the value cited in REF02.  
**Comments:**  
**Notes:** Conditional

This segment must be sent if a rate subclass is applicable to the service delivery points summarized in this PTD loop.  
 REF~PR~RSVD  
 REF~PR~NRSVD

**Data Element Summary**

	<u>Ref. Des.</u>	<u>Data Element</u>	<u>Name</u>	<u>Attributes</u>
<b>Mand.</b>	<b>REF01</b>	<b>128</b>	<b>Reference Identification Qualifier</b> PR Price Quote Number Utility Rate Subclass	<b>M ID 2/3</b>
<b>Must Use</b>	<b>REF02</b>	<b>127</b>	<b>Reference Identification</b> Provides further clarification of the Utility Rate Service Class specified in the REF~NH segment.	<b>X AN 1/30</b>

**Segment:** **REF** Reference Identification (Load Profile)  
**Position:** 030  
**Loop:** PTD Optional (Dependent)  
**Level:** Detail  
**Usage:** Optional (Dependent)  
**Max Use:** 1  
**Purpose:** To specify identifying information  
**Syntax Notes:**  
 1 At least one of REF02 or REF03 is required.  
 2 If either C04003 or C04004 is present, then the other is required.  
 3 If either C04005 or C04006 is present, then the other is required.  
**Semantic Notes:**  
 1 REF04 contains data relating to the value cited in REF02.  
**Comments:**  
**Notes:** Conditional  
 Load Profile codes must be sent when the service is electric (PTD05=EL).  
 REF~LO~L01

**Data Element Summary**

	<u>Ref. Des.</u>	<u>Data Element</u>	<u>Name</u>	<u>Attributes</u>
Mand.	REF01	128	Reference Identification Qualifier LO Load Planning Number Load Profile	M ID 2/3
Must Use	REF02	127	Reference Identification Utility assigned load profile code. Load profile code definitions are accessible from the Utility's web site.	X AN 1/30

**Segment:** **QTY** Quantity

**Position:** 110

**Loop:** QTY Optional (Must Use)

**Level:** Detail

**Usage:** Optional (Must Use)

**Max Use:** 1

**Purpose:** To specify quantity information. A separate Quantity loop is used for each register or measurement type provided by the meter.

**Syntax Notes:** 1 At least one of QTY02 or QTY04 is required.

2 Only one of QTY02 or QTY04 may be present.

**Semantic Notes:** 1 QTY04 is used when the quantity is non-numeric.

**Comments:**

**Notes:**

Required  
QTY~FL~2 Data is summarized for 2 meters

**Data Element Summary**

	<u>Ref.</u>	<u>Data</u>	<u>Name</u>	<u>Attributes</u>
	<u>Des.</u>	<u>Element</u>	<u>Quantity Qualifier</u>	
Mand.	QTY01	673	FL	M ID 2/2
			Units	
			QTY02 contains the number of metered service delivery points represented by the summarized data in this PTD loop.	
Must Use	QTY02	380	Quantity	X R 1/15
			Report the number of meters represented in the summarized data for the period indicated in the DTM segment.	

- Segment:** **MEA** Measurements
- Position:** 160
- Loop:** QTY Optional (Must Use)
- Level:** Detail
- Usage:** Optional (Must Use)
- Max Use:** 40
- Purpose:** To specify physical measurements or counts, including dimensions, tolerances, variances, and weights (See Figures Appendix for example of use of C001)
- Syntax Notes:**
- 1 At least one of MEA03 MEA05 MEA06 or MEA08 is required.
  - 2 If MEA05 is present, then MEA04 is required.
  - 3 If MEA06 is present, then MEA04 is required.
  - 4 If MEA07 is present, then at least one of MEA03 MEA05 or MEA06 is required.
  - 5 Only one of MEA08 or MEA03 may be present.
- Semantic Notes:**
- 1 MEA04 defines the unit of measure for MEA03, MEA05, and MEA06.
- Comments:**
- 1 When citing dimensional tolerances, any measurement requiring a sign (+ or -), or any measurement where a positive (+) value cannot be assumed, use MEA05 as the negative (-) value and MEA06 as the positive (+) value.
- Notes:**
- Required
- An MEA segment must be sent for each unit of measure and time interval where time intervals are applicable.
- |                          |  |
|--------------------------|--|
| MEA~BR~PRQ~10101~KH~~~41 | 10101 kWh billed off peak use          |
| MEA~AN~PRQ~12.3~K1~~~51  | 12.3 kW total recorded demand          |
| MEA~BR~PRQ~11.4~K1~~~51  | 11.4 kW total billed demand            |
| MEA~AN~PRQ~2.1~K1~~~41   | 2.1 kW recorded off peak demand        |
| MEA~AN~PRQ~7.3~K1~~~42   | 7.3 kW recorded on peak demand         |
| MEA~AN~PRQ~3~K1~~~43     | 3 kW recorded shoulder peak demand     |
| MEA~BR~PRQ~750~KH~~~41   | 750 kWh billed off peak kilowatt hours |
| MEA~EN~PRQ~1275~TD       | 1275 Estimated Therms                  |
| MEA~CQ~PRQ~358~TD        | 358 Calculated Quantity in Therms      |

**Data Element Summary**

	<u>Ref.</u>	<u>Data</u>	<u>Name</u>	<u>Attributes</u>
	<u>Des.</u>	<u>Element</u>		
Must Use	MEA01	737	Measurement Reference ID Code AN	O ID 2/2 Work Period Actual
			BR	Billed History Use where the utility tariff provides for minimum charges regardless of actual consumption below the minimum and the Utility does not retain the actual consumption data.
			CQ	Payment Orders Calculated Quantity
			EN	Environmental Conditions Period Estimated
Must Use	MEA02	738	Measurement Qualifier PRQ	O ID 1/3 Product Reportable Quantity Consumption
Must Use	MEA03	739	Measurement Value	X R 1/20 Quantity of the consumption for the period indicated in the DTM segment.
Must Use	MEA04	C001	Composite Unit of Measure	X
Mand.	C00101	355	Unit or Basis for Measurement Code HH	M ID 2/2 Hundred Cubic Feet ccf



K1	Kilowatt Demand
K2	Kilovolt Amperes Reactive Demand
K3	Kilovolt Amperes Reactive Hour
K4	Kilovolt Amperes
K5	Kilovolt Amperes Reactive
K7	Kilowatt
KH	Kilowatt Hour
TD	Therms

Cond      MEA07      935      Measurement      O ID 2/2

**Significance Code**

This element is required for electric service but not used for gas service.

41	Off Peak At the utility's option, this code is used to designate Small Time of Use Off Peak Energy.
42	On Peak At the utility's option, this code is used to designate Small Time of Use On Peak Energy.
43	Intermediate
45	Per Gallon
49	Summer On Peak Mist Winter On Peak
50	Predominant Winter Mid Peak
51	Total At the utility's option, this code will be used to designate Total Energy or Total Billed Demand.
57	Boarded or Blocked Up Summer Total
58	Planned Winter Total
73	Low to High Summer Off Peak
74	Low to Medium Summer Intermediate Peak
75	Low to Moderate Winter Off Peak
84	Good to High High Tension On Peak Energy
85	High High Tension Off Peak Energy
86	Budgeted Low Tension On Peak Energy
87	Forecast Low Tension Off Peak Energy
88	Adjusted Low Tension Total Energy
89	Allocated Low Tension Primary Demand
90	Increasing Low Tension Secondary Demand
91	Stable Low Tension Transmission Demand
92	Declining High Tension Total Energy
93	Previous High Tension Primary Demand
94	Potential High Tension Transmission Demand

**Segment:** **DTM** Date/Time Reference (Period Start Date)  
**Position:** 210  
**Loop:** QTY Optional (Must Use)  
**Level:** Detail  
**Usage:** Optional (Must Use)  
**Max Use:** 1  
**Purpose:** To specify pertinent dates and times  
**Syntax Notes:**

- 1 At least one of DTM02 DTM03 or DTM05 is required.
- 2 If DTM04 is present, then DTM03 is required.
- 3 If either DTM05 or DTM06 is present, then the other is required.

**Semantic Notes:**

**Comments:**

**Notes:**

Required  
 DTM~150~20010315

**Data Element Summary**

	<u>Ref.</u>	<u>Data</u>	<u>Name</u>	<u>Attributes</u>
	<u>Des.</u>	<u>Element</u>	<u>Date/Time Qualifier</u>	
Mand.	DTM01	374	150 Service Period Start	M ID 3/3
Must Use	DTM02	373	Date	X DT 8/8
Start date of the period reported in the current QTY loop in the form CCYYMMDD.				

**Segment:** **DTM** Date/Time Reference (Period End Date)  
**Position:** 210  
**Loop:** QTY Optional (Must Use)  
**Level:** Detail  
**Usage:** Optional (Must Use)  
**Max Use:** 1  
**Purpose:** To specify pertinent dates and times  
**Syntax Notes:** 1 At least one of DTM02 DTM03 or DTM05 is required.  
 2 If DTM04 is present, then DTM03 is required.  
 3 If either DTM05 or DTM06 is present, then the other is required.

**Semantic Notes:**

**Comments:**

**Notes:**

Required  
 DTM~151~20010415

**Data Element Summary**

	<u>Ref.</u>	<u>Data</u>	<u>Name</u>	<u>Attributes</u>
	<u>Des.</u>	<u>Element</u>	<u>Date/Time Qualifier</u>	
Mand.	DTM01	374	151 Service Period End	M ID 3/3
Must Use	DTM02	373	Date	X DT 8/8
End date of the period reported in the current QTY loop in the form CCYYMMDD.				

**Segment:** **PTD** **Product Transfer and Resale Detail (Unmetered Usage)**  
**Position:** 010  
**Loop:** PTD Optional (Dependent)  
**Level:** Detail  
**Usage:** Optional (Dependent)  
**Max Use:** 1  
**Purpose:** To indicate the start of detail information relating to the transfer/resale of a product and provide identifying data  
**Syntax Notes:** 1 If either PTD02 or PTD03 is present, then the other is required.  
 2 If either PTD04 or PTD05 is present, then the other is required.  
**Semantic Notes:**  
**Comments:**  
**Notes:**

Conditional  
 This PTD loop is sent to report unmetered usage history data.

All unmetered consumption history data associated with the service delivery points on an account that have the same rate service class, rate subclass and load profile can be reported in a single PTD loop. It may be necessary to send multiple PTD loops where an account has multiple unmetered service delivery points but some delivery points are associated with a different rate service class or subclass (see examples). Separate QTY loops are used to report the usage data for each period.  
 PTD~BC~~~OZ~EL

**Data Element Summary**

<u>Mand.</u>	<u>Ref. Des.</u>	<u>Data Element</u>	<u>Name</u>	<u>Attributes</u>
Mand.	PTD01	521	Product Transfer Type Code BC	M ID 2/2 Issue - Other Agency Total for all unmetered Service points on the account for the commodity type indicated in PTD05.
Must Use	PTD04	128	Reference Identification Qualifier OZ	X ID 2/3 Product Number PTD05 contains a code identifying the commodity reported in this transaction.
Must Use	PTD05	127	Reference Identification EL GAS	X AN 1/30 Electric Service Gas Service

**Segment:** **REF** Reference Identification (Utility Rate Service Class)  
**Position:** 030  
**Loop:** PTD Optional (Dependent)  
**Level:** Detail  
**Usage:** Optional (Must Use)  
**Max Use:** 1  
**Purpose:** To specify identifying information  
**Syntax Notes:** 1 At least one of REF02 or REF03 is required.  
 2 If either C04003 or C04004 is present, then the other is required.  
 3 If either C04005 or C04006 is present, then the other is required.  
**Semantic Notes:** 1 REF04 contains data relating to the value cited in REF02.  
**Comments:**  
**Notes:** Required  
 REF~NH~A001  
 REF~NH~1150100

**Data Element Summary**

	<u>Ref. Des.</u>	<u>Data Element</u>	<u>Name</u>	<u>Attributes</u>
Mand.	REF01	128	Reference Identification Qualifier NH Rate Card Number	M ID 2/3
			REF02 contains the Utility specific rate code that references the service class and rates applicable to this service delivery point.	
Must Use	REF02	127	Reference Identification Utility Rate code as found in the tariff. (This code can be used to retrieve rates from a utility's web site.)	X AN 1/30

**Segment:** **REF** Reference Identification (Rate Sub Class)  
**Position:** 030  
**Loop:** PTD Optional (Dependent)  
**Level:** Detail  
**Usage:** Optional  
**Max Use:** 1  
**Purpose:** To specify identifying information  
**Syntax Notes:**  
 1 At least one of REF02 or REF03 is required.  
 2 If either C04003 or C04004 is present, then the other is required.  
 3 If either C04005 or C04006 is present, then the other is required.  
**Semantic Notes:**  
 1 REF04 contains data relating to the value cited in REF02.  
**Comments:**  
**Notes:**

Conditional

This segment must be sent if a rate subclass is applicable to the service delivery points summarized in this PTD loop.  
 REF~PR~RSVD  
 REF~PR~NRSVD

**Data Element Summary**

	<u>Ref. Des.</u>	<u>Data Element</u>	<u>Name</u>	<u>Attributes</u>
<b>Mand.</b>	<b>REF01</b>	<b>128</b>	<b>Reference Identification Qualifier</b> PR Price Quote Number Utility Rate Subclass	<b>M ID 2/3</b>
<b>Must Use</b>	<b>REF02</b>	<b>127</b>	<b>Quantity</b> Provides further clarification of the Utility Rate Service Class specified in the REF~NH segment.	<b>X AN 1/30</b>

**Segment:** **REF** Reference Identification (Load Profile)  
**Position:** 030  
**Loop:** PTD Optional (Dependent)  
**Level:** Detail  
**Usage:** Optional (Dependent)  
**Max Use:** 1  
**Purpose:** To specify identifying information  
**Syntax Notes:**  
 1 At least one of REF02 or REF03 is required.  
 2 If either C04003 or C04004 is present, then the other is required.  
 3 If either C04005 or C04006 is present, then the other is required.  
**Semantic Notes:**  
 1 REF04 contains data relating to the value cited in REF02.  
**Comments:**  
**Notes:**

Conditional  
 Load profile codes must be sent when the service is electric (PTD05=EL).  
 REF~LO~L01

**Data Element Summary**

	<u>Ref. Des.</u>	<u>Data Element</u>	<u>Name</u>	<u>Attributes</u>
Mand.	REF01	128	Reference Identification Qualifier LO Load Planning Number Load Profile	M ID 2/3
Must Use	REF02	127	Quantity Utility assigned load profile code. Load profile code definitions are accessible from the Utility's web site.	X AN 1/30

**Segment:** **QTY** Quantity  
**Position:** 110  
**Loop:** QTY Optional (Must Use)  
**Level:** Detail  
**Usage:** Optional (Must Use)  
**Max Use:** 1  
**Purpose:** To specify quantity information. A separate Quantity loop is used for each period reported.  
**Syntax Notes:**  
 1 At least one of QTY02 or QTY04 is required.  
 2 Only one of QTY02 or QTY04 may be present.  
**Semantic Notes:**  
 1 QTY04 is used when the quantity is non-numeric.  
**Comments:**  
**Notes:** Required  
 This segment must be sent to indicate the number of unmetered service end points associated with the unmetered usage data sent in this PTD loop.  
 QTY~FL~44 Reported consumption is summarized from 44 unmetered points

**Data Element Summary**

	<u>Ref.</u>	<u>Data</u>	<u>Name</u>	<u>Attributes</u>
	<u>Des.</u>	<u>Element</u>	<u>Quantity Qualifier</u>	
Mand.	QTY01	673	FL Units	M ID 2/2
Must Use	QTY02	380	Quantity	X R 1/15
			Contains the number of unmetered points represented by the usage data reported for the period indicated in the DTM segment.	



**Segment:** **MEA** Measurements

**Position:** 160

**Loop:** QTY Optional (Must Use)

**Level:** Detail

**Usage:** Optional (Must Use)

**Max Use:** 1

**Purpose:** To specify physical measurements or counts, including dimensions, tolerances, variances, and weights (See Figures Appendix for example of use of C001)

- Syntax Notes:**
- 1 At least one of MEA03 MEA05 MEA06 or MEA08 is required.
  - 2 If MEA05 is present, then MEA04 is required.
  - 3 If MEA06 is present, then MEA04 is required.
  - 4 If MEA07 is present, then at least one of MEA03 MEA05 or MEA06 is required.
  - 5 Only one of MEA08 or MEA03 may be present.

**Semantic Notes:** 1 MEA04 defines the unit of measure for MEA03, MEA05, and MEA06.

**Comments:** 1 When citing dimensional tolerances, any measurement requiring a sign (+ or -), or any measurement where a positive (+) value cannot be assumed, use MEA05 as the negative (-) value and MEA06 as the positive (+) value.

**Notes:** Required  
 MEA~BR~PRQ~10101~KH Billed consumption is 10,101 kilowatt hours

**Data Element Summary**

	<u>Ref.</u>	<u>Data</u>	<u>Name</u>	<u>Attributes</u>
	<u>Des.</u>	<u>Element</u>		
Must Use	MEA01	737	Measurement Reference ID Code	O ID 2/2
			AN Work	
			BR Billed History	
			CQ Payment Orders	
			EN Environmental Conditions	
			Period Actual	
			Period Estimated	
Must Use	MEA02	738	Measurement Qualifier	O ID 1/3
			PRQ Product Reportable Quantity	
			Consumption	
Must Use	MEA03	739	Measurement Value	X R 1/20
			Quantity of Consumption delivered for service period.	
Must Use	MEA04	C001	Composite Unit of Measure	X
Mand.	C00101	355	Unit or Basis for Measurement Code	M ID 2/2
			HH Hundred Cubic Feet	
			ccf	
			K1 Kilowatt Demand	
			K2 Kilovolt Amperes Reactive Demand	
			K3 Kilovolt Amperes Reactive Hour	
			K4 Kilovolt Amperes	
			K5 Kilovolt Amperes Reactive	
			K7 Kilowatt	
			KH Kilowatt Hour	
			TD Therms	
			TZ Thousand Cubic Feet	

**Segment:** **DTM** Date/Time Reference (Period Start Date)  
**Position:** 210  
**Loop:** QTY Optional (Must Use)  
**Level:** Detail  
**Usage:** Optional (Must Use)  
**Max Use:** 1  
**Purpose:** To specify pertinent dates and times  
**Syntax Notes:** 1 At least one of DTM02 DTM03 or DTM05 is required.  
 2 If DTM04 is present, then DTM03 is required.  
 3 If either DTM05 or DTM06 is present, then the other is required.

**Semantic Notes:**

**Comments:**

**Notes:**

Required  
 DTM~150~20000315

**Data Element Summary**

	<u>Ref.</u>	<u>Data</u>	<u>Name</u>	<u>Attributes</u>
	<u>Des.</u>	<u>Element</u>	<u>Date/Time Qualifier</u>	
Mand.	DTM01	374	150 Service Period Start	M ID 3/3
Must Use	DTM02	373	Date	X DT 8/8
Start date of the period reported in the current QTY loop in the form CCYYMMDD.				

**Segment:** **DTM** Date/Time Reference (Period End Date)  
**Position:** 210  
**Loop:** QTY Optional (Must Use)  
**Level:** Detail  
**Usage:** Optional (Must Use)  
**Max Use:** 1  
**Purpose:** To specify pertinent dates and times  
**Syntax Notes:** 1 At least one of DTM02 DTM03 or DTM05 is required.  
 2 If DTM04 is present, then DTM03 is required.  
 3 If either DTM05 or DTM06 is present, then the other is required.

**Semantic Notes:**

**Comments:**

**Notes:**

Required  
 DTM~151~20000415

**Data Element Summary**

	<u>Ref.</u>	<u>Data</u>	<u>Name</u>	<u>Attributes</u>
	<u>Des.</u>	<u>Element</u>	<u>Date/Time Qualifier</u>	
Mand.	DTM01	374	151 Service Period End	M ID 3/3
Must Use	DTM02	373	Date	X DT 8/8
End date of the period reported in the current QTY loop in the form CCYYMMDD.				

**Segment:** **PTD** **Product Transfer and Resale Detail (Metered Consumption Detail)**  
**Position:** 010  
**Loop:** PTD Optional (Dependent)  
**Level:** Detail  
**Usage:** Optional (Dependent)  
**Max Use:** 1  
**Purpose:** To indicate the start of detail information relating to the transfer/resale of a product and provide identifying data  
**Syntax Notes:** 1 If either PTD02 or PTD03 is present, then the other is required.  
 2 If either PTD04 or PTD05 is present, then the other is required.  
**Semantic Notes:**  
**Comments:**  
**Notes:** Conditional

This PTD loop is required when metered consumption history is being reported by meter. The PTD~BQ loop is not required when consumption is reported on an account basis or when a gas profile is provided.

Usage from each metered service point is sent in a separate PTD~BQ loop with each period reported in separate QTY loops within that PTD loop. An account with 12 months of non-interval usage history for two metered delivery points would require 2 PTD~BQ loops with 12 QTY loops within each PTD loop. Each PTD loop must include the meter number, Utility rate service class (and subclass if applicable), and a load profile code where applicable. Consumption must be reported for each unit of measure (kW, kWh, ccf, etc.), and time interval (peak, off peak, etc.) where applicable, for each measurement period. For example, an electric account with a single metered service delivery point where consumption is being measured for on-peak, off-peak and intermediate peak periods would require a single PTD loop but 36 QTY loops to report consumption for a 12 month period (see examples).  
 PTD~BQ~~~OZ~EL

**Data Element Summary**

	<u>Ref. Des.</u>	<u>Data Element</u>	<u>Name</u>	<u>Attributes</u>
<b>Mand.</b>	<b>PTD01</b>	<b>521</b>	<b>Product Transfer Type Code</b> BQ Other Detail of metered service points on the account for the commodity type indicated in PTD05.	<b>M ID 2/2</b>
<b>Must Use</b>	<b>PTD04</b>	<b>128</b>	<b>Reference Identification Qualifier</b> OZ Product Number PTD05 contains a code identifying the commodity reported in this transaction.	<b>X ID 2/3</b>
<b>Must Use</b>	<b>PTD05</b>	<b>127</b>	<b>Reference Identification</b> EL Electric Service GAS Gas Service	<b>X AN 1/30</b>

**Segment:** **REF** Reference Identification (Meter Number)  
**Position:** 030  
**Loop:** PTD Optional (Dependent)  
**Level:** Detail  
**Usage:** Optional (Must Use)  
**Max Use:** 1  
**Purpose:** To specify identifying information  
**Syntax Notes:** 1 At least one of REF02 or REF03 is required.  
 2 If either C04003 or C04004 is present, then the other is required.  
 3 If either C04005 or C04006 is present, then the other is required.  
**Semantic Notes:** 1 REF04 contains data relating to the value cited in REF02.  
**Comments:**  
**Notes:** Required  
 REF~MG~012345678

**Data Element Summary**

	<u>Ref.</u>	<u>Data</u>		<u>Attributes</u>
	<u>Des.</u>	<u>Element</u>	<u>Name</u>	
Mand.	REF01	128	Reference Identification Qualifier MG Meter Number	M ID 2/3
Must Use	REF02	127	Reference Identification Utility assigned meter number	X AN 1/30

**Segment:** **REF** Reference Identification (Utility Rate Service Class)  
**Position:** 030  
**Loop:** PTD Optional (Dependent)  
**Level:** Detail  
**Usage:** Optional (Must Use)  
**Max Use:** 1  
**Purpose:** To specify identifying information  
**Syntax Notes:** 1 At least one of REF02 or REF03 is required.  
 2 If either C04003 or C04004 is present, then the other is required.  
 3 If either C04005 or C04006 is present, then the other is required.  
**Semantic Notes:** 1 REF04 contains data relating to the value cited in REF02.  
**Comments:**  
**Notes:** Required  
 REF~NH~A001  
 REF~NH~1150100

**Data Element Summary**

	<u>Ref. Des.</u>	<u>Data Element</u>	<u>Name</u>	<u>Attributes</u>
Mand.	REF01	128	Reference Identification Qualifier NH Rate Card Number	M ID 2/3
			REF02 contains the Utility specific rate code that references the service class and rates applicable to this service delivery point.	
Must Use	REF02	127	Reference Identification Utility Rate code as found in the tariff. (This code can be used to retrieve rates from a utility's web site.)	X AN 1/30

**Segment:** **REF** Reference Identification (Rate Sub Class)  
**Position:** 030  
**Loop:** PTD Optional (Dependent)  
**Level:** Detail  
**Usage:** Optional  
**Max Use:** 1  
**Purpose:** To specify identifying information  
**Syntax Notes:**  
 1 At least one of REF02 or REF03 is required.  
 2 If either C04003 or C04004 is present, then the other is required.  
 3 If either C04005 or C04006 is present, then the other is required.  
**Semantic Notes:**  
 1 REF04 contains data relating to the value cited in REF02.  
**Comments:**  
**Notes:**

Conditional

This segment must be sent if a rate subclass is applicable to the service delivery points summarized in this PTD loop.  
 REF~PR~RSVD  
 REF~PR~NRSVD

**Data Element Summary**

	<u>Ref. Des.</u>	<u>Data Element</u>	<u>Name</u>	<u>Attributes</u>
<b>Mand.</b>	<b>REF01</b>	<b>128</b>	<b>Reference Identification Qualifier</b> PR Price Quote Number Utility Rate Subclass	<b>M ID 2/3</b>
<b>Must Use</b>	<b>REF02</b>	<b>127</b>	<b>Quantity</b> Provides further clarification of the Utility Rate Service Class specified in the REF~NH segment.	<b>X AN 1/30</b>

**Segment:** **REF** Reference Identification (Load Profile)  
**Position:** 030  
**Loop:** PTD Optional (Dependent)  
**Level:** Detail  
**Usage:** Optional (Dependent)  
**Max Use:** 1  
**Purpose:** To specify identifying information  
**Syntax Notes:**  
 1 At least one of REF02 or REF03 is required.  
 2 If either C04003 or C04004 is present, then the other is required.  
 3 If either C04005 or C04006 is present, then the other is required.  
**Semantic Notes:**  
 1 REF04 contains data relating to the value cited in REF02.  
**Comments:**  
**Notes:**

Conditional  
 Load profile codes must be sent when the service is electric (PTD05=EL).  
 REF~LO~L01

**Data Element Summary**

	<u>Ref. Des.</u>	<u>Data Element</u>	<u>Name</u>	<u>Attributes</u>
Mand.	REF01	128	Reference Identification Qualifier LO Load Planning Number Load Profile	M ID 2/3
Must Use	REF02	127	Reference Identification Utility assigned load profile code. Load profile code definitions are provided on the Utility web site.	X AN 1/30



**Segment:** **QTY** Quantity

**Position:** 110

**Loop:** QTY Optional (Must Use)

**Level:** Detail

**Usage:** Optional (Must Use)

**Max Use:** 1

**Purpose:** To specify quantity information. A separate Quantity loop is used for each register or measurement type provided by the meter.

**Syntax Notes:** 1 At least one of QTY02 or QTY04 is required.

2 Only one of QTY02 or QTY04 may be present.

**Semantic Notes:** 1 QTY04 is used when the quantity is non-numeric.

**Comments:**

**Notes:**

Required

QTY~FL~1 Data is associated with 1 service delivery point.

**Data Element Summary**

	<u>Ref.</u>	<u>Data</u>	<u>Name</u>	<u>Attributes</u>
	<u>Des.</u>	<u>Element</u>	<u>Quantity Qualifier</u>	
Mand.	QTY01	673	FL Units	M ID 2/2
Must Use	QTY02	380	Quantity	X R 1/15

Valid value for this element in this segment will always be 1.

- Segment:** **MEA** Measurements
- Position:** 160
- Loop:** QTY Optional (Must Use)
- Level:** Detail
- Usage:** Optional (Must Use)
- Max Use:** 40
- Purpose:** To specify physical measurements or counts, including dimensions, tolerances, variances, and weights (See Figures Appendix for example of use of C001)
- Syntax Notes:**
- 1 At least one of MEA03 MEA05 MEA06 or MEA08 is required.
  - 2 If MEA05 is present, then MEA04 is required.
  - 3 If MEA06 is present, then MEA04 is required.
  - 4 If MEA07 is present, then at least one of MEA03 MEA05 or MEA06 is required.
  - 5 Only one of MEA08 or MEA03 may be present.
- Semantic Notes:**
- 1 MEA04 defines the unit of measure for MEA03, MEA05, and MEA06.
- Comments:**
- 1 When citing dimensional tolerances, any measurement requiring a sign (+ or -), or any measurement where a positive (+) value cannot be assumed, use MEA05 as the negative (-) value and MEA06 as the positive (+) value.
- Notes:**
- Required
- An MEA segment must be sent for each unit of measure and time interval where time intervals are applicable.
- |                          |  |
|--------------------------|--|
| MEA~BR~PRQ~10101~KH~~~41 | 10101 kWh billed off peak use          |
| MEA~AN~PRQ~12.3~K1~~~51  | 12.3 kW total recorded demand          |
| MEA~BR~PRQ~11.4~K1~~~51  | 11.4 kW total billed demand            |
| MEA~AN~PRQ~2.1~K1~~~41   | 2.1 kW recorded off peak demand        |
| MEA~AN~PRQ~7.3~K1~~~42   | 7.3 kW recorded on peak demand         |
| MEA~AN~PRQ~3~K1~~~43     | 3 kW recorded shoulder peak demand     |
| MEA~BR~PRQ~750~KH~~~41   | 750 kWh billed off peak kilowatt hours |
| MEA~EN~PRQ~1275~TD       | 1275 Estimated Therms                  |
| MEA~CQ~PRQ~358~TD        | 358 Calculated Quantity in Therms      |

**Data Element Summary**

Ref.	Data			Attributes
Des.	Element	Name		
Must Use	MEA01	737	Measurement Reference ID Code	O ID 2/2
		AN	Work	
			Period Actual	
		BR	Billed History	
			Use where the utility tariff provides for minimum charges regardless of actual consumption below the minimum and the Utility does not retain the actual consumption data.	
		CQ	Payment Orders	
			Calculated Quantity	
		EN	Environmental Conditions	
			Period Estimated	
Must Use	MEA02	738	Quantity	O ID 1/3
		PRQ	Product Reportable Quantity	
			Consumption	
Must Use	MEA03	739	Measurement Value	X R 1/20
			Quantity of the consumption for the period indicated in the DTM segment.	
Must Use	MEA04	C001	Composite Unit of Measure	X
Mand.	C00101	355	Unit or Basis for Measurement Code	M ID 2/2
		HH	Hundred Cubic Feet	
			ccf	
		K1	Kilowatt Demand	
		K2	Kilovolt Amperes Reactive Demand	
		K3	Kilovolt Amperes Reactive Hour	
		K4	Kilovolt Amperes	
		K5	Kilovolt Amperes Reactive	

K7 Kilowatt  
 KH Kilowatt Hour  
 TD Therms  
 TZ Thousand Cubic Feet

**Cond**      **MEA07**      **935**      **Measurement Significance Code**      **O ID 2/2**

This element is required for electric service but not used for gas service.

- 41      Off Peak  
       At the utility's option, this code will be used to designate Small Time of Use Off Peak Energy.
- 42      On Peak  
       At the utility's option, this code will be used to designate Small Time of Day On Peak Energy.
- 43      Intermediate  
       Intermediate Peak
- 45      Per Gallon  
       Summer On Peak
- 49      Mist  
       Winter On Peak
- 50      Predominant  
       Winter Mid Peak
- 51      Total  
       At the utility's option, this code will be used to designate Total Energy or Total Billed Demand.
- 57      Boarded or Blocked Up  
       Summer Total
- 58      Planned  
       Winter Total
- 73      Low to High  
       Summer Off Peak
- 74      Low to Medium  
       Summer Intermediate Peak
- 75      Low to Moderate  
       Winter Off Peak
- 84      Good to High  
       High Tension On Peak Energy
- 85      High  
       High Tension Off Peak Energy
- 86      Budgeted  
       Low Tension On Peak Energy
- 87      Forecast  
       Low Tension Off Peak Energy
- 88      Adjusted  
       Low Tension Total Energy
- 89      Allocated  
       Low Tension Primary Demand
- 90      Increasing  
       Low Tension Secondary Demand
- 91      Stable  
       Low Tension Transmission Demand
- 92      Declining  
       High Tension Total Energy
- 93      Previous  
       High Tension Primary Demand
- 94      Potential  
       High Tension Transmission Demand

**Segment:** **DTM** Date/Time Reference (Period Start Date)  
**Position:** 210  
**Loop:** QTY Optional (Must Use)  
**Level:** Detail  
**Usage:** Optional (Must Use)  
**Max Use:** 1  
**Purpose:** To specify pertinent dates and times  
**Syntax Notes:** 1 At least one of DTM02 DTM03 or DTM05 is required.  
 2 If DTM04 is present, then DTM03 is required.  
 3 If either DTM05 or DTM06 is present, then the other is required.

**Semantic Notes:**

**Comments:**

**Notes:**

Required  
 DTM~150~20000315

**Data Element Summary**

	<u>Ref.</u>	<u>Data</u>	<u>Name</u>	<u>Attributes</u>
	<u>Des.</u>	<u>Element</u>	<u>Date/Time Qualifier</u>	
Mand.	DTM01	374	150 Service Period Start	M ID 3/3
Must Use	DTM02	373	Date	X DT 8/8
Start date of the period reported in the current QTY loop in the form CCYYMMDD.				

**Segment:** **DTM** Date/Time Reference (Period End Date)  
**Position:** 210  
**Loop:** QTY Optional (Must Use)  
**Level:** Detail  
**Usage:** Optional (Must Use)  
**Max Use:** 1  
**Purpose:** To specify pertinent dates and times  
**Syntax Notes:** 1 At least one of DTM02 DTM03 or DTM05 is required.  
 2 If DTM04 is present, then DTM03 is required.  
 3 If either DTM05 or DTM06 is present, then the other is required.

**Semantic Notes:**

**Comments:**

**Notes:**

Required  
 DTM~151~20000415

**Data Element Summary**

	<u>Ref.</u>	<u>Data</u>	<u>Name</u>	<u>Attributes</u>
	<u>Des.</u>	<u>Element</u>	<u>Date/Time Qualifier</u>	
Mand.	DTM01	374	151 Service Period End	M ID 3/3
Must Use	DTM02	373	Date	X DT 8/8
End date of the period reported in the current QTY loop in the form CCYYMMDD.				

**Segment:** **PTD** **Product Transfer and Resale Detail (Additional Information)**  
**Position:** 010  
**Loop:** PTD Optional (Must Use)  
**Level:** Detail  
**Usage:** Mandatory  
**Max Use:** 1  
**Purpose:** To indicate the start of detail information relating to the transfer/resale of a product and provide identifying data  
**Syntax Notes:**  
 1 If either PTD02 or PTD03 is present, then the other is required.  
 2 If either PTD04 or PTD05 is present, then the other is required.  
**Semantic Notes:**  
**Comments:**  
**Notes:**

Required  
 Data in the PTD~FG loop will be sent, even in cases where there is no historic usage, however; no data will be sent if there is a customer block in place (A Comprehensive Block or in the case of utilities that employ dual blocks, if a Historic Usage Block is in place). The data provided is based upon what is available on the date the 867HU is provided.  
 PTD~FG~~~OZ~GAS

**Data Element Summary**

	<u>Ref. Des.</u>	<u>Data Element</u>	<u>Name</u>	<u>Attributes</u>
Mand.	PTD01	521	Product Transfer Type Code FG	M ID 2/2
Additional Information				
Must Use	PTD04	128	Reference Identification Qualifier OZ Product Number	X ID 2/3
Must Use	PTD05	127	Reference Identification EL GAS	X AN 1/30

**Segment:** **REF** Reference Identification (Customer Supply Status)  
**Position:** 030  
**Loop:** PTD Optional (Dependent)  
**Level:** Detail  
**Usage:** Must Use  
**Max Use:** 20  
**Purpose:** To specify identifying information  
**Syntax Notes:**  
 1 At least one of REF02 or REF03 is required.  
 2 If either C04003 or C04004 is present, then the other is required.  
 3 If either C04005 or C04006 is present, then the other is required.  
**Semantic Notes:**  
 1 REF04 contains data relating to the value cited in REF02.  
**Comments:**  
**Notes:** Required  
 REF~0N~E

**Data Element Summary**

	<u>Ref.</u>	<u>Data</u>	<u>Name</u>	<u>Attributes</u>
	<u>Des.</u>	<u>Element</u>		
<b>Mand.</b>	<b>REF01</b>	<b>128</b>	<b>Reference Identification Qualifier</b>	<b>M ID 2/3</b>
			0N Attached To	
			Customer Supply Status	
<b>Must Use</b>	<b>REF02</b>	<b>127</b>	<b>Reference Identification</b>	<b>X AN 1/30</b>
			E Customer is receiving supply from an ESCO at the time the transaction is created.	
			U Customer is receiving supply from the Utility at the time the transaction is created.	

**Segment:** **REF** Reference Identification (Industrial Classification Code)  
**Position:** 030  
**Loop:** PTD Optional (Dependent)  
**Level:** Detail  
**Usage:** Optional (Dependent)  
**Max Use:** 20  
**Purpose:** To specify identifying information  
**Syntax Notes:** 1 At least one of REF02 or REF03 is required.  
 2 If either C04003 or C04004 is present, then the other is required.  
 3 If either C04005 or C04006 is present, then the other is required.  
**Semantic Notes:** 1 REF04 contains data relating to the value cited in REF02.  
**Comments:**  
**Notes:** Conditional

Required if available in the utility's system  
 REF~IJ~123456~NAICS  
 REF~IJ~1234~SIC

**Data Element Summary**

	<u>Ref. Des.</u>	<u>Data Element</u>	<u>Name</u>	<u>Attributes</u>
<b>Mand.</b>	<b>REF01</b>	<b>128</b>	<b>Reference Identification Qualifier</b> IJ	<b>M ID 2/3</b> Standard Industry Classification (SIC) Code Standard Industry Classification (SIC) Code, or North American Industry Classification System (NAICS) Code
<b>Must Use</b>	<b>REF02</b>	<b>127</b>	<b>Reference Identification</b>	<b>X AN 1/30</b> SIC or NAICS Code as stored in the Utility's system
<b>Must Use</b>	<b>REF03</b>	<b>352</b>	<b>Description</b> NAICS SIC	<b>X AN 1/80</b> Value contained in REF02 is an NAICS code Value contained in REF02 is an SIC code



**Segment:** **REF** Reference Identification (Utility Tax Exempt Status)  
**Position:** 030  
**Loop:** PTD Optional (Dependent)  
**Level:** Detail  
**Usage:** Optional (Dependent)  
**Max Use:** 20  
**Purpose:** To specify identifying information  
**Syntax Notes:** 1 At least one of REF02 or REF03 is required.  
 2 If either C04003 or C04004 is present, then the other is required.  
 3 If either C04005 or C04006 is present, then the other is required.  
**Semantic Notes:** 1 REF04 contains data relating to the value cited in REF02.  
**Comments:**  
**Notes:** Required  
 The Utility Tax Exempt Status signifies the existence of exemptions and/or certifications, if any, held by the utility, that are used to bill the customer for utility services. The indicator is informational only; the utility's exemption is not transferable to the ESCO to bill the customer for ESCO services. The ESCO should not rely upon the utility's information for billing purposes and should contact the customer to obtain necessary information consistent with the requirements of the New York State Department of Taxation & Finance and any applicable laws.  
 REF~TX~Y

**Data Element Summary**

	<u>Ref. Des.</u>	<u>Data Element</u>	<u>Name</u>	<u>Attributes</u>
Mand.	REF01	128	Reference Identification Qualifier	M ID 2/3
			TX	Tax Exempt Number
				Indicates the Utility's Tax Exemption Status at the time the transaction is created.
Must Use	REF02	127	Reference Identification	X AN 1/30
			N	No, the customer is fully taxed for distribution charges at the time the transaction is created.
			Y	Yes, customer has some level of tax exemption for distribution charges at the time the transaction is created.

**Segment:** **REF** Reference Identification (Account Settlement Indicator)  
**Position:** 030  
**Loop:** PTD Optional (Dependent)  
**Level:** Detail  
**Usage:** Optional (Dependent)  
**Max Use:** 20  
**Purpose:** To specify identifying information  
**Syntax Notes:**

- 1 At least one of REF02 or REF03 is required.
- 2 If either C04003 or C04004 is present, then the other is required.
- 3 If either C04005 or C04006 is present, then the other is required.

**Semantic Notes:**

- 1 REF04 contains data relating to the value cited in REF02.

**Comments:**  
**Notes:**

Conditional  
 Required for Electric only  
 This indicator reflects how the usage is settled with NYISO, not necessarily how the usage is metered.  
 REF~TDT~H

**Data Element Summary**

	<u>Ref. Des.</u>	<u>Data Element</u>	<u>Name</u>	<u>Attributes</u>
Mand..	REF01	128	Reference Identification Qualifier	M ID 2/3
			TDT	Technical Documentation Type
				Account Settlement Indicator
Must Use	REF02	127	Reference Identification	X AN 1/30
			C	Class Load Shape
			H	Hourly
			M	Mixed
				Account is settled with the NYISO with both Class Shape and Hourly data.

**Segment:** **REF** Reference Identification (NYPA Discount Indicator)  
**Position:** 030  
**Loop:** PTD Optional (Dependent)  
**Level:** Detail  
**Usage:** Optional (Dependent)  
**Max Use:** 20  
**Purpose:** To specify identifying information  
**Syntax Notes:**

- 1 At least one of REF02 or REF03 is required.
- 2 If either C04003 or C04004 is present, then the other is required.
- 3 If either C04005 or C04006 is present, then the other is required.

**Semantic Notes:**

- 1 REF04 contains data relating to the value cited in REF02.

**Comments:**  
**Notes:** Conditional  
 Required for Electric accounts, if available in the utility's system.  
 REF~YP~N

**Data Element Summary**

	<u>Ref. Des.</u>	<u>Data Element</u>	<u>Name</u>	<u>Attributes</u>
<b>Mand.</b>	<b>REF01</b>	<b>128</b>	<b>Reference Identification Qualifier</b> YP Selling Arrangement NYPA Discount Indicator. The customer receives any special incentives from the New York Power Authority.	<b>M ID 2/3</b>
<b>Must Use</b>	<b>REF02</b>	<b>127</b>	<b>Reference Identification</b> N No, the customer does not participate in NYPA Discount Indicator Y Yes, the customer participates in NYPA/Discount Indicator	<b>X AN 1/30</b>

**Segment:** **REF** Reference Identification (Utility Discount Indicator)

**Position:** 030

**Loop:** PTD Optional (Dependent)

**Level:** Detail

**Usage:** Optional (Must Use)

**Max Use:** 20

**Purpose:** To specify identifying information

**Syntax Notes:**

- 1 At least one of REF02 or REF03 is required.
- 2 If either C04003 or C04004 is present, then the other is required.
- 3 If either C04005 or C04006 is present, then the other is required.

**Semantic Notes:**

- 1 REF04 contains data relating to the value cited in REF02.

**Comments:**

**Notes:**

Conditional

Required for non-residential accounts where the customer receives a commodity discount from the utility or a delivery discount that is dependent upon purchase of commodity from the utility. Further, the indicator should be set to "N" in cases where all non-residential customers in a rate class or service receive the same discount or when the delivery discount is portable, i.e. it applies whether the customer purchases commodity from the ESCO or the utility.

REF~SG~Y

**Data Element Summary**

	<u>Ref. Des.</u>	<u>Data Element</u>	<u>Name</u>	<u>Attributes</u>
Mand...	REF01	128	Reference Identification Qualifier SG Savings Utility Discounts/Incentive Rate	M ID 2/3
Must Use	REF02	127	Reference Identification N No, there are not Utility Discounts/Incentive Rates Y Yes, there are Utility Discounts/Incentive Rates	X AN 1/30

**Segment:** **REF** Reference Identification (Enrollment Block)  
**Position:** 030  
**Loop:** PTD Mandatory  
**Level:** Detail  
**Usage:** Optional  
**Max Use:** 20  
**Purpose:** To specify identifying information  
**Syntax Notes:**

- 1 At least one of REF02 or REF03 is required.
- 2 If either C04003 or C04004 is present, then the other is required.
- 3 If either C04005 or C04006 is present, then the other is required.

**Semantic Notes:**

- 1 REF04 contains data relating to the value cited in REF02.

**Comments:**  
**Notes:** Conditional  
 Segment will be sent when customer has an enrollment block on an account.  
 REF~ZV~EB

**Data Element Summary**

	<u>Ref. Des.</u>	<u>Data Element</u>	<u>Name</u>	<u>Attributes</u>
Mand.	REF01	128	Reference Identification Qualifier	M ID 2/3
			ZV Block	
			Enrollment Block	
Must Use	REF02	127	Reference Identification	X AN 1/30
			EB Enrollment Block	

**Segment:** **REF** Reference Identification (Bill Cycle Code)  
**Position:** 030  
**Loop:** PTD Mandatory  
**Level:** Detail  
**Usage:** Optional  
**Max Use:** 20  
**Purpose:** To specify identifying information  
**Syntax Notes:** 1 At least one of REF02 or REF03 is required.  
 2 If either C04003 or C04004 is present, then the other is required.  
 3 If either C04005 or C04006 is present, then the other is required.  
**Semantic Notes:** 1 REF04 contains data relating to the value cited in REF02.  
**Comments:**  
**Notes:** Request: Not Used  
 Enrollment Accept Response: Conditional  
 Other Responses: Not Used  
 Provided if not available from a utility web site on a pre-enrollment basis or at utility's option (as noted in its Utility Maintained EDI Guide).  
 REF~BF~18  
 REF~BF~17~MON

**Data Element Summary**

	<u>Ref. Des.</u>	<u>Data Element</u>	<u>Name</u>	<u>Attributes</u>
<b>Mand.</b>	<b>REF01</b>	<b>128</b>	<b>Reference Identification Qualifier</b> BF Billing Center Identification Billing cycle. Cycle number indicating when this customer is scheduled for billing.	<b>M ID 2/3</b>
<b>Must Use</b>	<b>REF02</b>	<b>127</b>	<b>Reference Identification</b> A 2 digit code indicating when a scheduled bill is prepared for the customer. Some companies may bill on a cycle other than the read cycle. In this case this code could be used to retrieve the scheduled billing date from the utility's web site.	<b>X AN 1/30</b>
<b>Cond.</b>	<b>REF03</b>	<b>352</b>	<b>Description</b> When present, indicates the frequency with which the account is billed by the utility. This element should be sent in a Historical Usage/Gas Profile transaction when information regarding the bill cycle codes on the web site or the data sent in REF02 is insufficient to describe both when and how frequently the account is scheduled to be billed. BIM Bimonthly MON Monthly QTR Quarterly	<b>O AN 1/80</b>

**Segment:** **QTY** Quantity (ICAP)  
**Position:** 110  
**Loop:** QTY Optional (Dependent)  
**Level:** Detail  
**Usage:** Optional (Dependent)  
**Max Use:** >1  
**Purpose:** To specify quantity information  
**Syntax Notes:** 1 At least one of QTY02 or QTY04 is required.  
 2 Only one of QTY02 or QTY04 may be present.  
**Semantic Notes:** 1 QTY04 is used when the quantity is non-numeric.  
**Comments:**  
**Notes:** Required for Electric accounts, if available. Multiple QTY~KZ loops may be provided when future ICAP Tags have been calculated.

QTY~KZ~.9278291~K1  
 DTM~007~~~~RD8~20140501-20150430  
 QTY~KZ~5.9999999~K1  
 DTM~007~~~~RD8~20150501-20160430  
  
 QTY~KZ~.8314101249~AJ  
 DTM~007~~~~RD8~20150501-20160430

**Data Element Summary**

	<u>Ref. Des.</u>	<u>Data Element</u>	<u>Name</u>	<u>Attributes</u>
Mand.	QTY01	673	Quantity Qualifier KZ	M ID 2/2 Corrective Action Requests-Written ICAP Tag
Must Use	QTY02	380	Quantity ICAP Tag	X R 1/15
	QTY03	C001	Composite Unit of Measure	O
Mand.	C00101	355	Unit or Basis for Measurement Code K1 AJ	M ID 2/2 Kilowatt Demand There is no Special Program Adjustment Indicator related to the ICAP Tag. Adjusted Kilowatt Demand The customer participates in NYPA/ReCharge New York or another Special Program which is covering some portion of this account's ICAP Tag. This unit of measure indicates that the QTY02 represents the remaining ICAP Tag obligation left over after the Special Program's adjustment has been applied.

**Segment:** **DTM** Date/Time Reference (ICAP Effective Dates)  
**Position:** 210  
**Loop:** QTY Optional  
**Level:** Detail  
**Usage:** Optional  
**Max Use:** >1  
**Purpose:** To specify pertinent dates and times  
**Syntax Notes:**

- 1 At least one of DTM02 DTM03 or DTM05 is required.
- 2 If DTM04 is present, then DTM03 is required.
- 3 If either DTM05 or DTM06 is present, then the other is required.

**Semantic Notes:**

**Comments:**

**Notes:**

Conditional  
 Required if ICAP Tag (QTY~KZ) is sent.  
  
 QTY~KZ~476~K1  
 DTM~007~~~~RD8~20140601-20150531

**Data Element Summary**

	<u>Ref.</u> <u>Des.</u>	<u>Data</u> <u>Element</u>	<u>Name</u>	<u>Attributes</u>
Mand.	DTM01	374	Date/Time Qualifier 007 Effective ICAP Tag Effective Dates	M ID 3/3
Must Use	DTM05	1250	Date Time Period Format Qualifier RD8 Range of Dates Expressed in Format CCYYMMDD-CCYYMMDD	X ID 2/3
Must Use	DTM06	1251	Date Time Period Period expressed in the format CCYYMMDD-CCYYMMDD	X AN 1/35



**Segment:** **QTY** Quantity (Number of Meters)  
**Position:** 110  
**Loop:** QTY Optional (Dependent)  
**Level:** Detail  
**Usage:** Optional (Dependent)  
**Max Use:** 1  
**Purpose:** To specify quantity information  
**Syntax Notes:** 1 At least one of QTY02 or QTY04 is required.  
 2 Only one of QTY02 or QTY04 may be present.  
**Semantic Notes:** 1 QTY04 is used when the quantity is non-numeric.  
**Comments:**  
**Notes:**

Required - One QTY loop will be provided to indicate the Number of Meters on the account along with each individual Meter Number in subsequent REF segments. If the account has only unmetered services, the QTY02 would be 0.

The QTY~9N is not required when consumption is reported on an account basis or when a gas profile is provided.

For example:  
 QTY~9N~3  
 REF~MG~13259131  
 REF~MG~59381932  
 REF~MG~10393823  
 REF~MG~UNMETERED

QTY~9N~0  
 REF~MG~UNMETERED

**Data Element Summary**

	<u>Ref.</u>	<u>Data</u>	<u>Name</u>	<u>Attributes</u>
<u>Mand.</u>	<u>Des.</u>	<u>Element</u>	<u>Quantity Qualifier</u>	<u>M ID 2/2</u>
	QTY01	673	Quantity Qualifier	
			9N	Component Meter Reading Count
				Number of Meters on the Account
Must Use	QTY02	380	Quantity	X R 1/15
				Number of Meters on the Account

**Segment:** **REF** Reference Identification (Meter Number)

**Position:** 190

**Loop:** QTY Optional (Dependent)

**Level:** Detail

**Usage:** Optional (Dependent)

**Max Use:** >1

**Purpose:** To specify identifying information

**Syntax Notes:**

- 1 At least one of REF02 or REF03 is required.
- 2 If either C04003 or C04004 is present, then the other is required.
- 3 If either C04005 or C04006 is present, then the other is required.

**Semantic Notes:**

- 1 REF04 contains data relating to the value cited in REF02.

**Comments:**

**Notes:**

Required - One REF segment will be sent for each Meter Number on the account and/or one REF segment would be sent if there are unmetered services on the account.

The REF~MG is not required when consumption is reported on an account basis or when a gas profile is provided.

For example:

QTY~9N~3  
 REF~MG~13259131  
 REF~MG~59381932  
 REF~MG~10393823  
 REF~MG~UNMETERED

QTY~9N~0  
 REF~MG~UNMETERED

**Data Element Summary**

	<u>Ref. Des.</u>	<u>Data Element</u>	<u>Name</u>	<u>Attributes</u>
<b>Mand.</b>	<b>REF01</b>	<b>128</b>	<b>Reference Identification Qualifier</b> MG Meter Number	<b>M ID 2/3</b>
<b>Must Use</b>	<b>REF02</b>	<b>127</b>	<b>Reference Identification</b> Meter Number	<b>X AN 1/30</b>

**Segment:** **PTD** **Product Transfer and Resale Detail (Interval Usage Summary – Account Level)**  
**Position:** 010  
**Loop:** PTD Mandatory  
**Level:** Detail  
**Usage:** Mandatory  
**Max Use:** 1  
**Purpose:** To indicate the start of detail information relating to the transfer/resale of a product and provide identifying data

**Syntax Notes:**  
**1** If either PTD02 or PTD03 is present, then the other is required.  
**2** If either PTD04 or PTD05 is present, then the other is required.

**Semantic Notes:**

**Comments:**

**Notes:**

Conditional

Provided when interval consumption is being requested at the account level.  
 IA (Account Summary) Loop –sums intervals at the account level by unit of measure.

This PTD segment is for summarized metered consumption. Each PTD loop will include a separate QTY loop for each unit of measure and daily reported peaks as applicable.

The same Utility rate service class, rate subclass and load profile code must apply to all service points summarized in the same PTD loop. If some service end points are in a different rate service class than others, the data from those service end points should be sent in a separate PTD loop where PTD01=IA.

PTD~IA~~OZ~EL

**Data Element Summary**

	<u>Ref. Des.</u>	<u>Data Element</u>	<u>Name</u>	<u>Attributes</u>
<b>Mand.</b>	<b>PTD01</b>	<b>521</b>	<b>Product Transfer Type Code</b> IA Inventory Adjustment Total for metered service points on the account for the commodity type indicated in PTD05	<b>M ID 2/2</b>
<b>Must Use</b>	<b>PTD04</b>	<b>128</b>	<b>Reference Identification Qualifier</b> OZ Product Number PTD05 contains a code identifying the commodity reported in this transaction.	<b>X ID 2/3</b>
<b>Must Use</b>	<b>PTD05</b>	<b>127</b>	<b>Reference Identification</b> EL Electric GAS Gas	<b>X AN 1/30</b>

**Segment:** **REF** Reference Identification (Utility Rate Service Class)  
**Position:** 030  
**Loop:** PTD Mandatory  
**Level:** Detail  
**Usage:** Optional (Must Use)  
**Max Use:** 1  
**Purpose:** To specify identifying information  
**Syntax Notes:** 1 At least one of REF02 or REF03 is required.  
 2 If either C04003 or C04004 is present, then the other is required.  
 3 If either C04005 or C04006 is present, then the other is required.  
**Semantic Notes:** 1 REF04 contains data relating to the value cited in REF02.  
**Comments:**  
**Notes:** Required  
 REF~NH~A001  
 REF~NH~1150100

**Data Element Summary**

	<u>Ref. Des.</u>	<u>Data Element</u>	<u>Name</u>	<u>Attributes</u>
Mand.	REF01	128	Reference Identification Qualifier NH Rate Card Number REF02 contains the Utility specific rate code that references the service class and rates applicable to this service delivery point.	M ID 2/3
Must Use	REF02	127	Reference Identification Utility Rate code as found in the tariff. (This code can be used to retrieve rates from a utility's web site.)	X AN 1/30

**Segment:** **REF** Reference Identification (Rate Sub Class)  
**Position:** 030  
**Loop:** PTD Mandatory  
**Level:** Detail  
**Usage:** Optional (Dependent)  
**Max Use:** 1  
**Purpose:** To specify identifying information  
**Syntax Notes:**  
 1 At least one of REF02 or REF03 is required.  
 2 If either C04003 or C04004 is present, then the other is required.  
 3 If either C04005 or C04006 is present, then the other is required.  
**Semantic Notes:**  
 1 REF04 contains data relating to the value cited in REF02.  
**Comments:**  
**Notes:**

Conditional  
 REF~PR~RSVD  
 REF~PR~NRSVD

**Data Element Summary**

	<u>Ref. Des.</u>	<u>Data Element</u>	<u>Name</u>	<u>Attributes</u>
<b>Mand.</b>	<b>REF01</b>	<b>128</b>	<b>Reference Identification Qualifier</b> PR Price Quote Number Utility Rate Subclass - Used to provide further classification of a rate.	<b>M ID 2/3</b>
<b>Must Use</b>	<b>REF02</b>	<b>127</b>	<b>Reference Identification</b> Provides further clarification of a tariff specified in the REF where REF01=NH.	<b>X AN 1/30</b>

**Segment:** **REF** Reference Identification (Interval Reading Period)  
**Position:** 030  
**Loop:** PTD Mandatory  
**Level:** Detail  
**Usage:** Optional (Dependent)  
**Max Use:** 1  
**Purpose:** To specify identifying information  
**Syntax Notes:** 1 At least one of REF02 or REF03 is required.  
 2 If either C04003 or C04004 is present, then the other is required.  
 3 If either C04005 or C04006 is present, then the other is required.  
**Semantic Notes:** 1 REF04 contains data relating to the value cited in REF02.  
**Comments:**  
**Notes:** Conditional

REF~MT~KH015 (to indicate 15 minute intervals)  
 REF~MT~KH030 (to indicate 30 minute intervals)  
 REF~MT~HH060 (to indicate 60 minutes intervals, e.g. for an hourly gas interval)

**Data Element Summary**

	<u>Ref.</u>	<u>Data</u>	<u>Name</u>	<u>Attributes</u>
	<u>Des.</u>	<u>Element</u>		
Mand.	REF01	128	Reference Identification Qualifier MT Meter Ticket Number Interval Reading Period.	M ID 2/3
Must Use	REF02	127	Reference Identification Provides clarification of interval meter data reading period REF01 where REF01=MT.  The type and reporting interval for consumption measurements are described in a five-character field. The first two characters are used to describe the type of consumption. The last three characters describe the reporting interval.  The REF02 in this segment should contain one of the following codes as the first two characters to describe the type of consumption:  KH Kilowatt Hour (kWh) HH Hundred Cubic Feet (CCF)  The following codes are used in the last three characters of the REF02 to document the interval capabilities for the metered or un-metered service delivery point(s) identified in the NM109. If that capability is not known then the interval that should be reported is the scheduled meter reading interval.  BIM Bi-Monthly DAY Daily MON Monthly QTR Quarterly  001-999 - Reporting Intervals (e.g. 015 indicates 15 minute intervals, 060 indicates 60 minute intervals, etc.)  For example:	X AN 1/30
			KHMON Kilowatt Hours Per Month KH015 Kilowatt Hours Per 15 minute Interval KH030 Kilowatt Hours Per 30 minute Interval HHDAY Hundred Cubic Feet (CCF) per Daily Interval	

**Segment:** **DTM** Date/Time Reference (Period Start Date)  
**Position:** 070  
**Loop:** PTD Optional (Must Use)  
**Level:** Detail  
**Usage:** Optional (Must Use)  
**Max Use:** 1  
**Purpose:** To specify pertinent dates and times  
**Syntax Notes:** 1 At least one of DTM02 DTM03 or DTM05 is required.  
 2 If DTM04 is present, then DTM03 is required.  
 3 If either DTM05 or DTM06 is present, then the other is required.

**Semantic Notes:**

**Comments:**

**Notes:**

Required  
 DTM~150~20060315

**Data Element Summary**

	<u>Ref.</u> <u>Des.</u>	<u>Data</u> <u>Element</u>	<u>Name</u>	<u>Attributes</u>
<b>Mand.</b>	<b>DTM01</b>	<b>374</b>	<b>Date/Time Qualifier</b> 150 Service Period Start	<b>M ID 3/3</b>
<b>Must Use</b>	<b>DTM02</b>	<b>373</b>	<b>Date</b> Start date of the period reported in the current QTY loop in the form CCYYMMDD.	<b>X DT 8/8</b>

**Segment:** **DTM** Date/Time Reference (Period End Date)  
**Position:** 070  
**Loop:** PTD Optional (Must Use)  
**Level:** Detail  
**Usage:** Optional (Must Use)  
**Max Use:** 1  
**Purpose:** To specify pertinent dates and times  
**Syntax Notes:** 1 At least one of DTM02 DTM03 or DTM05 is required.  
 2 If DTM04 is present, then DTM03 is required.  
 3 If either DTM05 or DTM06 is present, then the other is required.

**Semantic Notes:**

**Comments:**

**Notes:**

Required  
 DTM~151~20060415

**Data Element Summary**

	<u>Ref.</u> <u>Des.</u>	<u>Data</u> <u>Element</u>	<u>Name</u>	<u>Attributes</u>
Mand.	DTM01	374	Date/Time Qualifier 151 Service Period End	M ID 3/3
Must Use	DTM02	373	Date	X DT 8/8
End date of the period reported in the current QTY loop in the form CCYYMMDD.				



**Segment:** **QTY** Quantity (Interval Quantity - Account Level)  
**Position:** 110  
**Loop:** QTY Optional (Must Use)  
**Level:** Detail  
**Usage:** Optional (Must Use)  
**Max Use:** 1  
**Purpose:** To specify quantity information. A separate Quantity loop is used for each register or measurement type being summarized.  
**Syntax Notes:** 1 At least one of QTY02 or QTY04 is required.  
 2 Only one of QTY02 or QTY04 may be present.  
**Semantic Notes:** 1 QTY04 is used when the quantity is non-numeric.  
**Comments:**  
**Notes:** Required

If specified in its Utility Maintained EDI Guide, the utility will provide estimated interval usage, if possible. Otherwise, the bill will be estimated and these will be coded as missing reads.

QTY~QD~1012~KH  
 QTY~KA~710~KH  
 QTY~QD~10~HH  
 QTY~QD~.5~KH  
 QTY~20~0~KH

**Data Element Summary**

	<u>Ref. Des.</u>	<u>Data Element</u>	<u>Name</u>	<u>Attributes</u>
Mand.	QTY01	673	Quantity Qualifier	M ID 2/2
			QD Work	
			KA Period Actual	
			20 Environmental Conditions	
			Quantity Period Estimated	
Must Use	QTY02	380	Quantity	X R 1/15
			Numeric value of quantity.	
M	QTY03	355	Unit or Basis for Measurement Code	M ID 2/2
			Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken	
			KH Kilowatt Hour	
			HH kWh - Kilowatt Hours	
			CCF Hundred Cubic Feet	
			CCF	

**Segment:** **DTM** Date/Time Reference (Report Period)  
**Position:** 125  
**Loop:** QTY Optional (Must Use)  
**Level:** Detail  
**Usage:** Optional (Must Use)  
**Max Use:** 1  
**Purpose:** To specify pertinent dates and times  
**Syntax Notes:** 1 At least one of DTM02 DTM03 or DTM05 is required.  
 2 If DTM04 is present, then DTM03 is required.  
 3 If either DTM05 or DTM06 is present, then the other is required.

**Semantic Notes:**

**Comments:**

**Notes:**

Required  
 DTM~582~20170104~1500~ES

**Data Element Summary**

	<u>Ref.</u> <u>Des.</u>	<u>Data</u> <u>Element</u>	<u>Name</u>	<u>Attributes</u>
<b>Mand.</b>	<b>DTM01</b>	<b>374</b>	<b>Date/Time Qualifier</b> 582 Report Period The date/time of the end of the interval.	<b>M ID 3/3</b>
<b>Must Use</b>	<b>DTM02</b>	<b>373</b>	<b>Date</b> Report Period Date expressed as CCYYMMDD	<b>X DT 8/8</b>
<b>Must Use</b>	<b>DTM03</b>	<b>337</b>	<b>Time</b> Time expressed in 24-hour clock time as follows: HHMM HHMM format	<b>X TM 4/8</b>
<b>Must Use</b>	<b>DTM04</b>	<b>623</b>	<b>Time Code</b> Code identifying the time. In accordance with International Standards Organization standard 8601, time can be specified by a + or – and an indication in hours in relation to Universal Time Coordinate (UTC) time; since + is a restricted character, + and – are substituted by P and M in the codes that follow.  The time code must accurately provide the time zone when the daylight savings time starts and ends if the meter is adjusted for daylight savings time. If meter is not adjusted for daylight savings time, the time code will always reflect Eastern Daylight Time which will be interpreted as prevailing time. ED Eastern Daylight Time ES Eastern Standard Time	<b>O ID 2/2</b>

**Segment:** **PTD** **Product Transfer and Resale Detail (Interval Meter Detail)**  
**Position:** 010  
**Loop:** PTD Mandatory  
**Level:** Detail  
**Usage:** Mandatory  
**Max Use:** 1  
**Purpose:** To indicate the start of detail information relating to the transfer/resale of a product and provide identifying data

- Syntax Notes:**  
**1** If either PTD02 or PTD03 is present, then the other is required.  
**2** If either PTD04 or PTD05 is present, then the other is required.

**Semantic Notes:**

**Comments:**

**Notes:**

Conditional

Provided when consumption is being requested by meter.  
 PM (Interval Meter Detail) Loop – intervals detail by meter.

Each metered service point must be sent in a separate PTD loop (PTD01=PM) with the consumption for the period reported in separate QTY loops within that PTD loop. Each PTD~PM loop will include the meter number, rate class (and subclass, as applicable), quantity of consumption, measurement unit, and reported period start and end dates.

If it is possible to have an interval and non-interval meter on the same account within its service territory, the utility will specify such in its Utility Maintained EDI Guide.

PTD~PM~~~OZ~EL

**Data Element Summary**

	<u>Ref. Des.</u>	<u>Data Element</u>	<u>Name</u>	<u>Attributes</u>
<b>Mand.</b>	<b>PTD01</b>	<b>521</b>	<b>Product Transfer Type Code</b> PM Other Detail of metered service points on the account for the commodity type indicated in PTD05.	<b>M ID 2/2</b>
<b>Must Use</b>	<b>PTD04</b>	<b>128</b>	<b>Reference Identification Qualifier</b> OZ Product Number PTD05 contains a code identifying the commodity reported in this transaction.	<b>X ID 2/3</b>
<b>Must Use</b>	<b>PTD05</b>	<b>127</b>	<b>Reference Identification</b> EL Electric GAS Gas	<b>X AN 1/30</b>

**Segment:** **REF** Reference Identification (Meter Number)  
**Position:** 030  
**Loop:** PTD Mandatory  
**Level:** Detail  
**Usage:** Optional (Must Use)  
**Max Use:** 1  
**Purpose:** To specify identifying information  
**Syntax Notes:** 1 At least one of REF02 or REF03 is required.  
 2 If either C04003 or C04004 is present, then the other is required.  
 3 If either C04005 or C04006 is present, then the other is required.  
**Semantic Notes:** 1 REF04 contains data relating to the value cited in REF02.  
**Comments:**  
**Notes:** Required  
 REF~MG~012345678

**Data Element Summary**

	<u>Ref.</u> <u>Des.</u>	<u>Data</u> <u>Element</u>	<u>Name</u>	<u>Attributes</u>
Mand.	REF01	128	Reference Identification Qualifier MG Meter Number	M ID 2/3
Must Use	REF02	127	Reference Identification Utility assigned meter number	X AN 1/30

**Segment:** **REF** Reference Identification (Utility Rate Service Class)  
**Position:** 030  
**Loop:** PTD Mandatory  
**Level:** Detail  
**Usage:** Optional (Must Use)  
**Max Use:** 1  
**Purpose:** To specify identifying information  
**Syntax Notes:** 1 At least one of REF02 or REF03 is required.  
 2 If either C04003 or C04004 is present, then the other is required.  
 3 If either C04005 or C04006 is present, then the other is required.  
**Semantic Notes:** 1 REF04 contains data relating to the value cited in REF02.  
**Comments:**  
**Notes:** Required  
 REF~NH~A001  
 REF~NH~1150100

**Data Element Summary**

	<u>Ref. Des.</u>	<u>Data Element</u>	<u>Name</u>	<u>Attributes</u>
Mand.	REF01	128	Reference Identification Qualifier NH	M ID 2/3 Rate Card Number REF02 contains the Utility specific rate code that references the service class and rates applicable to this service delivery point.
Must Use	REF02	127	Reference Identification	X AN 1/30 Utility Rate code as found in the tariff. (This code can be used to retrieve rates from a utility's web site.)

**Segment:** **REF** Reference Identification (Rate Sub Class)  
**Position:** 030  
**Loop:** PTD Mandatory  
**Level:** Detail  
**Usage:** Optional (Dependent)  
**Max Use:** 1  
**Purpose:** To specify identifying information  
**Syntax Notes:**  
 1 At least one of REF02 or REF03 is required.  
 2 If either C04003 or C04004 is present, then the other is required.  
 3 If either C04005 or C04006 is present, then the other is required.  
**Semantic Notes:**  
 1 REF04 contains data relating to the value cited in REF02.  
**Comments:**  
**Notes:**

Conditional  
 REF~PR~RSVD  
 REF~PR~NRSVD

**Data Element Summary**

	<u>Ref. Des.</u>	<u>Data Element</u>	<u>Name</u>	<u>Attributes</u>
<b>Mand.</b>	<b>REF01</b>	<b>128</b>	<b>Reference Identification Qualifier</b> PR Price Quote Number Utility Rate Subclass - Used to provide further classification of a rate.	<b>M ID 2/3</b>
<b>Must Use</b>	<b>REF02</b>	<b>127</b>	<b>Reference Identification</b> Provides further clarification of a tariff specified in the REF where REF01=NH.	<b>X AN 1/30</b>

**Segment:** **REF** Reference Identification (Interval Reading Period)  
**Position:** 030  
**Loop:** PTD Mandatory  
**Level:** Detail  
**Usage:** Optional (Dependent)  
**Max Use:** 1  
**Purpose:** To specify identifying information  
**Syntax Notes:**  
 1 At least one of REF02 or REF03 is required.  
 2 If either C04003 or C04004 is present, then the other is required.  
 3 If either C04005 or C04006 is present, then the other is required.  
**Semantic Notes:**  
 1 REF04 contains data relating to the value cited in REF02.  
**Comments:**  
**Notes:**

Conditional

REF~MT~KH015 (to indicate 15 minute intervals)  
 REF~MT~HH060 (to indicate 60 minute intervals, e.g. for an hourly gas interval)

**Data Element Summary**

	<u>Ref. Des.</u>	<u>Data Element</u>	<u>Name</u>	<u>Attributes</u>
Mand.	REF01	128	Reference Identification Qualifier MT Meter Ticket Number Interval Reading Period.	M ID 2/3
Must Use	REF02	127	Reference Identification Provides clarification of interval meter data reading period REF01 where REF01=MT.  The type and reporting interval for consumption measurements are described in a five-character field. The first two characters are used to describe the type of consumption. The last three characters describe the reporting interval.  The REF02 in this segment should contain one of the following codes as the first two characters to describe the type of consumption:  KH Kilowatt Hour (kWh) HH Hundred Cubic Feet (CCF)  The following codes are used in the last three characters of the REF02 to document the interval capabilities for the metered or un-metered service delivery point(s) identified in the NM109. If that capability is not known then the interval that should be reported is the scheduled meter reading interval.  BIM Bi-Monthly DAY Daily MON Monthly QTR Quarterly  001-999 - Reporting Intervals (e.g. 015 indicates 15 minute intervals, 060 indicates 60 minute intervals, etc.)  For example:  KHMON Kilowatt Hours Per Month KH015 Kilowatt Hours Per 15 minutes Interval HHDAY Hundred Cubic Feet (CCF) per Daily Interval	X AN 1/30

**Segment:** **DTM** Date/Time Reference (Period Start Date)  
**Position:** 070  
**Loop:** PTD Optional (Must Use)  
**Level:** Detail  
**Usage:** Optional (Must Use)  
**Max Use:** 1  
**Purpose:** To specify pertinent dates and times  
**Syntax Notes:**

- 1 At least one of DTM02 DTM03 or DTM05 is required.
- 2 If DTM04 is present, then DTM03 is required.
- 3 If either DTM05 or DTM06 is present, then the other is required.

**Semantic Notes:**

**Comments:**

**Notes:**

Required  
 DTM~150~20060315

**Data Element Summary**

	<u>Ref.</u> <u>Des.</u>	<u>Data</u> <u>Element</u>	<u>Name</u>	<u>Attributes</u>
<b>Mand.</b>	<b>DTM01</b>	<b>374</b>	<b>Date/Time Qualifier</b> 150 Service Period Start	<b>M ID 3/3</b>
<b>Must Use</b>	<b>DTM02</b>	<b>373</b>	<b>Date</b> Start date of the period reported in the current QTY loop in the form CCYYMMDD.	<b>X DT 8/8</b>



**Segment:** **DTM** Date/Time Reference (Period End Date)  
**Position:** 070  
**Loop:** PTD Optional (Must Use)  
**Level:** Detail  
**Usage:** Optional (Must Use)  
**Max Use:** 1  
**Purpose:** To specify pertinent dates and times  
**Syntax Notes:** 1 At least one of DTM02 DTM03 or DTM05 is required.  
 2 If DTM04 is present, then DTM03 is required.  
 3 If either DTM05 or DTM06 is present, then the other is required.

**Semantic Notes:**

**Comments:**

**Notes:**

Required  
 DTM~151~20060415

**Data Element Summary**

	<u>Ref.</u> <u>Des.</u>	<u>Data</u> <u>Element</u>	<u>Name</u>	<u>Attributes</u>
Mand.	DTM01	374	Date/Time Qualifier 151 Service Period End	M ID 3/3
Must Use	DTM02	373	Date	X DT 8/8
End date of the period reported in the current QTY loop in the form CCYYMMDD.				

**Segment:** **QTY** Quantity (Interval Quantity- Meter Level)  
**Position:** 110  
**Loop:** QTY Optional (Must Use)  
**Level:** Detail  
**Usage:** Optional (Must Use)  
**Max Use:** 1  
**Purpose:** To specify quantity information.  
**Syntax Notes:** 1 At least one of QTY02 or QTY04 is required.  
 2 Only one of QTY02 or QTY04 may be present.  
**Semantic Notes:** 1 QTY04 is used when the quantity is non-numeric.  
**Comments:**  
**Notes:** Required

If specified in its Utility Maintained EDI Guide, the utility will provide estimated interval usage, if possible. Otherwise, the bill will be estimated and these will be coded as missing reads.

Gas consumption will be provided in CCF at the Interval Level, but Therms in the summary.

QTY~QD~1012~KH  
 QTY~KA~710~KH  
 QTY~QD~.5~KH  
 QTY~20~0~KH

**Data Element Summary**

	<u>Ref.</u>	<u>Data</u>	<u>Name</u>	<u>Attributes</u>
<u>Mand.</u>	<u>Des.</u>	<u>Element</u>	<u>Quantity Qualifier</u>	
	QTY01	673	Quantity Qualifier	M ID 2/2
			QD	Work
				Period Actual
			KA	Environmental Conditions
				Period Estimated
			20	Missing Read
Must Use	QTY02	380	Quantity	X R 1/15
				Numeric value of quantity.
M	QTY03	355	Unit or Basis for Measurement Code	M ID 2/2
				Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken
			KH	Kilowatt Hour
				kWh - Kilowatt Hours
			HH	Hundred Cubic Feet
				CCF

**Segment:** **DTM** Date/Time Reference (Report Period)  
**Position:** 125  
**Loop:** QTY Optional (Must Use)  
**Level:** Detail  
**Usage:** Optional (Must Use)  
**Max Use:** 1  
**Purpose:** To specify pertinent dates and times  
**Syntax Notes:** 1 At least one of DTM02 DTM03 or DTM05 is required.  
 2 If DTM04 is present, then DTM03 is required.  
 3 If either DTM05 or DTM06 is present, then the other is required.

**Semantic Notes:**

**Comments:**

**Notes:**

Required  
 DTM~582~20170104~1500~ES

**Data Element Summary**

	<u>Ref.</u> <u>Des.</u>	<u>Data</u> <u>Element</u>	<u>Name</u>	<u>Attributes</u>
<b>Mand.</b>	<b>DTM01</b>	<b>374</b>	<b>Date/Time Qualifier</b> 582 Service Period Start The date/time of the end of the interval	<b>M ID 3/3</b>
<b>Must Use</b>	<b>DTM02</b>	<b>373</b>	<b>Date</b> Start date of the period reported in the current QTY loop in the form CCYYMMDD.	<b>X DT 8/8</b>
<b>Must Use</b>	<b>DTM03</b>	<b>337</b>	<b>Time</b> Time expressed in 24-hour clock time as follows: HHMM HHMM format	<b>X TM 4/8</b>
<b>Must Use</b>	<b>DTM04</b>	<b>623</b>	<b>Time Code</b> Code identifying the time. In accordance with International Standards Organization standard 8601, time can be specified by a + or – and an indication in hours in relation to Universal Time Coordinate (UTC) time; since + is a restricted character, + and – are substituted by P and M in the codes that follow. The time code must accurately provide the time zone when the daylight savings time starts and ends if the meter is adjusted for daylight savings time. If meter is not adjusted for daylight savings time, the time code will always reflect Eastern Daylight Time which will be interpreted as prevailing time.	<b>O ID 2/2</b>
			ED Eastern Daylight Time	
			ES Eastern Standard Time	

**Segment:** **SE** Transaction Set Trailer  
**Position:** 030  
**Loop:**  
**Level:** Summary  
**Usage:** Mandatory  
**Max Use:** 1  
**Purpose:** To indicate the end of the transaction set and provide the count of the transmitted segments (including the beginning (ST) and ending (SE) segments)

**Syntax Notes:**

**Semantic Notes:**

**Comments:** 1 SE is the last segment of each transaction set.

**Notes:** Required

SE~99~0001

**Data Element Summary**

	<b>Ref.</b>	<b>Data</b>		<b>Attributes</b>
	<b><u>Des.</u></b>	<b><u>Element</u></b>	<b><u>Name</u></b>	
Mand.	SE01	96	Number of Included Segments	M N0 1/10
Mand.	SE02	329	Transaction Set Control Number	M AN 4/9

## EXAMPLES

These examples are presented for illustrative purposes only. Although they are syntactically correct with respect to the published transaction standard for the TS867 Historic Interval Usage, it should be understood that these examples reflect certain assumptions regarding optional and conditional data segments in this standard. Accordingly, these examples are not necessarily indicative of the manner in which a specific Utility or ESCO would map a specific transaction.

### *Response to Request for Historic Interval Usage - Multi-Meter account*

PTD*PM***OZ*EL~	Row 41
REF*MG*5~	
REF*NH*8~	
REF*PR*LO N 50~	
REF*LO*143.4~	
DTM*150*20150212~	Row 46
DTM*151*20150316~	
QTY*QD*45*KH~	
DTM*582*20150213*0015*ED~	
QTY*QD*57*KH~	
DTM*582*20150213*0030*ED~	
QTY*QD*65*KH~	
DTM*582*20150213*0045*ED~	Repeat for bill period (Row 46 to 47)
PTD*PM***OZ*EL~	
REF*MG*5~	
REF*NH*8~	
REF*PR*LO N 50~	
REF*LO*143.4~	
DTM*150*20150316~	Row 60
DTM*151*20150414~	
QTY*QD*35*KH~	
DTM*582*20150316*0015*ED~	
QTY*QD*57*KH~	
DTM*582*20150316*0030*ED~	
QTY*QD*65*KH~	
DTM*582*20150316*0045*ED~	Repeat for bill period (Row 60 to 61)
PTD*PM***OZ*EL~	
REF*MG*6~	
REF*NH*8~	
REF*PR*LO N 50~	
REF*LO*143.4~	
DTM*150*20150212~	Row 74
DTM*151*20150316~	

N Y 867 Historic Interval Usage History

QTY*QD*43*KH~	
DTM*582*20150213*0015*ED~	
QTY*QD*52*KH~	
DTM*582*20150213*0030*ED~	
QTY*QD*57*KH~	
DTM*582*20150213*0045*ED~	Repeat for bill period (Row 74 to 75)