

# **Electronic Data Exchange Standards for Energy Deregulation in New York**

## **867 Historical Interval Usage Data Dictionary**

**March 31, 2017**  
Version 1.0

|                       |                           |
|-----------------------|---------------------------|
|                       | <b>Summary of Changes</b> |
| <b>March 31, 2017</b> | <b>Initial Release</b>    |

| Row No | NY DD Field Name       | Loop ID | Segment | Level | Position | Ref Desc | Name                            | Description                                                                       | Code                                                                                                                                                           | Data Type | Response | Comments                                                                                                                                                                                |
|--------|------------------------|---------|---------|-------|----------|----------|---------------------------------|-----------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------|----------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 1      | Transaction Set Header | None    | ST      | HDR   | 010      | 01       | Transaction Set Identifier Code | Indicates Type of transaction                                                     | 867                                                                                                                                                            | ID(3/3)   | Required |                                                                                                                                                                                         |
| 2      | Transaction Set Header | None    | ST      | HDR   | 010      | 02       | Transaction Set Control Number  | Number generated by senders system                                                | ID#                                                                                                                                                            | AN(4/9)   | Required | Identifying control number that must be unique within the transaction set functional group. This number is assigned by the originator of the transaction.                               |
| 3      | Beginning Segment      | None    | BPT     | HDR   | 020      | 01       | Transaction Set Purpose Code    | Purpose of transaction                                                            | 52                                                                                                                                                             | ID(2/2)   | Required | Code indicating that this 867 transaction is a Response to Historical Inquiry.                                                                                                          |
| 4      | Beginning Segment      | None    | BPT     | HDR   | 020      | 02       | Reference Identification        | Unique and permanent ID for this individual transaction                           | ID#                                                                                                                                                            | AN(1/30)  | Required | This number is assigned by the originator of the transaction and must be unique over time. This identifier assists in tracking subsequent activity regarding an individual transaction. |
| 5      | Beginning Segment      | None    | BPT     | HDR   | 020      | 03       | Date                            | Date transaction was created in senders system                                    | CCYYMMDD                                                                                                                                                       | DT(8/8)   | Required |                                                                                                                                                                                         |
| 6      | Beginning Segment      | None    | BPT     | HDR   | 020      | 04       | Report Type Code                | Code Used to Identify the Report Type for the 867 Response                        | C1= Indicates transaction is an Interval Data transaction.<br>DR= Indicates transaction contains some combination of Interval, Monthly, and/or Unmetered Data. | ID(2/2)   | Required | This segment is required to differentiate between types of historic usage being provided.                                                                                               |
| 7      | Name (ESCO)            | NI Loop | N1      | HDR   | 080      | 01       | Entity Identifier Code          | Code identifying the ESCO in this transaction                                     | SJ                                                                                                                                                             | ID(2/3)   | Required |                                                                                                                                                                                         |
| 8      | Name (ESCO)            | NI Loop | N1      | HDR   | 080      | 02       | Name                            | literal name of the ESCO                                                          | free form text                                                                                                                                                 | AN(1/60)  | Optional | ESCO name is not necessary but may be provided by mutual agreement of the trading partners.                                                                                             |
| 9      | Name (ESCO)            | NI Loop | N1      | HDR   | 080      | 03       | Identification Code Qualifier   | Indicates type of ID number that will be sent in the N104 element of this segment | 1=DUNS #<br>9=DUNS#+4<br>24=Federal Tax ID                                                                                                                     | ID(1/2)   | Required |                                                                                                                                                                                         |
| 10     | Name (ESCO)            | NI Loop | N1      | HDR   | 080      | 04       | Identification Code             | ID number for ESCO                                                                | ID#                                                                                                                                                            | AN(2/80)  | Required |                                                                                                                                                                                         |
| 11     | Name (Utility)         | NI Loop | N1      | HDR   | 080      | 01       | Entity Identifier Code          | Code identifying the Utility in this transaction                                  | 8S                                                                                                                                                             | ID(2/3)   | Required |                                                                                                                                                                                         |
| 12     | Name (Utility)         | NI Loop | N1      | HDR   | 080      | 02       | Name                            | Literal name of the Utility in this transaction                                   | free form text                                                                                                                                                 | AN(1/60)  | Optional | Utility name is not necessary but may be provided by mutual agreement of the trading partners.                                                                                          |

| Row No | NY DD Field Name                      | Loop ID | Segment | Level | Position | Ref Desc | Name                          | Description                                                                                                  | Code                                       | Data Type | Response | Comments                                                                                                                                                                                                                                                                                                                                                              |
|--------|---------------------------------------|---------|---------|-------|----------|----------|-------------------------------|--------------------------------------------------------------------------------------------------------------|--------------------------------------------|-----------|----------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 13     | Name (Utility)                        | NI Loop | N1      | HDR   | 080      | 03       | Identification Code Qualifier | Indicates type of ID number that will be sent in the N104 element of this segment                            | 1=DUNS #<br>9=DUNS#+4<br>24=Federal Tax ID | ID(1/2)   | Required |                                                                                                                                                                                                                                                                                                                                                                       |
| 14     | Name (Utility)                        | NI Loop | N1      | HDR   | 080      | 04       | Identification Code           | ID number for Utility                                                                                        | ID#                                        | AN(2/80)  | Required |                                                                                                                                                                                                                                                                                                                                                                       |
| 15     | Name (Customer)                       | NI Loop | N1      | HDR   | 080      | 01       | Entity Identifier Code        | Code identifying the customer in this transaction                                                            | 8R                                         | ID(2/3)   | Required | An 867 transaction sent in response to a request for historic usage must contain an N4 segment for transmitting data about the customer's current tax district. When an N4 segment is being sent, an N1segment is required to comply with X12 requirements. However, the N102 element in the N1 segment may contain either the customer's name or the literal "NAME". |
| 16     | Name (Customer)                       | NI Loop | N1      | HDR   | 080      | 02       | Name                          | Literal name of the customer in this transaction                                                             | Text or the literal "NAME"                 | AN(1/60)  | Required | This element is required to comply with X12 requirements but the format is at the discretion of the Utility.                                                                                                                                                                                                                                                          |
| 17     | Address Information (Service Address) | N1 Loop | N3      | HDR   | 100      | 01       | Name                          | Customer Service Address - Street                                                                            |                                            | AN 1/55   | Optional | Service Address information associated with the account for which historic usage has been requested may be sent in the 867 response at the option of the Utility.                                                                                                                                                                                                     |
| 18     | Address Information (Service Address) | N1 Loop | N3      | HDR   | 100      | 02       | Name                          | If N301 exceeds 55 characters, the overflow is sent in N302                                                  |                                            | AN 1/55   | Optional |                                                                                                                                                                                                                                                                                                                                                                       |
| 19     | Geographic Location (Service Address) | N1 Loop | N4      | HDR   | 110      | 01       | City Name                     | Customer Service Address - City                                                                              |                                            | AN 2/30   | Optional |                                                                                                                                                                                                                                                                                                                                                                       |
| 20     | Geographic Location (Service Address) | N1 Loop | N4      | HDR   | 110      | 02       | State or Province Code        | Customer Service Address - State                                                                             |                                            | ID 2/2    | Optional |                                                                                                                                                                                                                                                                                                                                                                       |
| 21     | Geographic Location (Service Address) | N1 Loop | N4      | HDR   | 110      | 03       | Postal Code                   | Customer Service Address - Postal Code                                                                       |                                            | ID 3/15   | Optional |                                                                                                                                                                                                                                                                                                                                                                       |
| 22     | Geographic Location (Service Address) | NI Loop | N4      | HDR   | 110      | 05       | Location Qualifier            | Code indicating that element N406 contains a code or text pertaining to the customer's current tax district. | TX                                         | X ID 1/2  | Optional | Element N406 contains a code or indicating the current, rather than historic, tax district applicable to the account for which consumption history has been requested.                                                                                                                                                                                                |

| Row No | NY DD Field Name                                                    | Loop ID | Segment | Level | Position | Ref Desc | Name                               | Description                                                                                                                 | Code                                | Data Type | Response    | Comments                                                                                                                                                                                                                                                                                                                                                                                       |
|--------|---------------------------------------------------------------------|---------|---------|-------|----------|----------|------------------------------------|-----------------------------------------------------------------------------------------------------------------------------|-------------------------------------|-----------|-------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 23     | Geographic Location (Service Address)                               | NI Loop | N4      | HDR   | 110      | 06       | Location Identifier                | An alphanumeric code or text indicating the municipality in which the customer resides.                                     | code or text                        | AN 1/30   | Conditional | Required when N405 is sent. The structure of this element may vary by Utility but the data sent must be sufficient to enable the recipient to identify the correct taxing district for the customer.                                                                                                                                                                                           |
| 24     | Reference Identification (Utility Account Number)                   | NI Loop | REF     | HDR   | 120      | 01       | Reference Identification Qualifier | Code indicating that the REF02 element contains the Utility assigned account number for the customer                        | 12                                  | ID(2/3)   | Required    |                                                                                                                                                                                                                                                                                                                                                                                                |
| 25     | Reference Identification (Utility Account Number)                   | NI Loop | REF     | HDR   | 120      | 02       | Reference Identification           | Customer's account number                                                                                                   | Account #                           | AN(1/30)  | Required    |                                                                                                                                                                                                                                                                                                                                                                                                |
| 26     | Reference Identification (Previous Utility Account Number)          | NI Loop | REF     | HDR   | 120      | 01       | Reference Identification Qualifier | Code indicating that REF02 contains the Utility's previous account number for the customer                                  | 45                                  | ID(2/3)   | Conditional | Required when the customer's account number has changed in the last 90 days.                                                                                                                                                                                                                                                                                                                   |
| 27     | Reference Identification (Previous Utility Account Number)          | NI Loop | REF     | HDR   | 120      | 02       | Reference Identification           | Customer's old account number                                                                                               | Account #                           | AN(1/30)  | Required    | When a REF*45 is sent, this element is required.                                                                                                                                                                                                                                                                                                                                               |
| 28     | Reference Identification (ISO Location Based Marginal Pricing Zone) | NI Loop | REF     | HDR   | 120      | 01       | Reference Identification Qualifier | Code indicating that REF02 contains the ISO Assigned code for New York Location Based Pricing Zones when service type is EL | SPL                                 | ID(2/3)   | Optional    | 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.                                                                                                                    |
| 29     | Reference Identification (ISO Location Based Marginal Pricing Zone) | NI Loop | REF     | HDR   | 120      | 02       | Reference Identification           | ISO Location Based Marginal Pricing Zone                                                                                    | See IG for list of possible values. | AN(1/30)  | Required    | When a REF*SPL is sent, this element is required.                                                                                                                                                                                                                                                                                                                                              |
| 30     | Reference Identification (Gas Pool ID)                              | NI Loop | REF     | HDR   | 120      | 01       | Reference Identification Qualifier | Code indicating that REF02 contains the Gas Pool ID                                                                         | VI                                  | ID(2/3)   | Optional    | 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. |

| Row No | NY DD Field Name                                      | Loop ID  | Segment | Level | Position | Ref Desc | Name                               | Description                                                                                                                                                       | Code        | Data Type | Response    | Comments                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
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| 31     | Reference Identification (Gas Pool ID)                | NI Loop  | REF     | HDR   | 120      | 02       | Reference Identification           | Gas Pool ID                                                                                                                                                       | Gas Pool ID | AN(1/30)  | Required    | When a REF*VI is sent, this element is required.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| 32     | Product Transfer and Resale Detail (Metered Summary)  | PTD Loop | PTD     | DTL   | 010      | 01       | Product Transfer Type Code         | Code indicating that this PTD loop contains summarized metered consumption history data for the metered service delivery points on the account requested.         | BO          | ID 2/2    | Conditional | The structure of the 867 response transaction will identify the type of data being sent by the placement of the data in the correct PTD loop. In this 867 transaction standard there are six PTD loops. This PTD loop (PTD*BO) is sent when metered consumption data for the account requested is summarized. When the service delivery points on an account have different rate classes or load shapes it will be necessary to send more than one PTD*BO loop. When consumption history data is metered but the data is being reported by individual meter, then the PTD*BQ loop (Metered Detail) should be used instead of this segment. When a specific PTD loop is sent it must contain all of the required segments and elements for that loop. |
| 33     | Product Transfer and Resale Detail (Metered Summary)  | PTD Loop | PTD     | DTL   | 010      | 04       | Reference Identification Qualifier | Indicates that the code sent in PTD05 will identify the commodity being reported in this PTD loop.                                                                | OZ          | ID 2/3    | Required    | When PTD*BO is sent this element is required.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| 34     | Product Transfer and Resale Detail (Metered Summary)  | PTD Loop | PTD     | DTL   | 010      | 05       | Reference Identification           | Code indicating commodity type                                                                                                                                    | EL or GAS   | AN(1/30)  | Required    | When PTD*BO is sent this element is required.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| 35     | Reference Identification (Utility Rate Service Class) | PTD Loop | REF     | DTL   | 030      | 01       | Reference Identification Qualifier | Code indicating that REF02 contains the Utility Rate Service Class associated with the metered summary data contained in this PTD loop for the account requested. | NH          | ID(2/3)   | Required    | When a REF*NH is sent, this element is required.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| 36     | Reference Identification (Utility Rate Service Class) | PTD Loop | REF     | DTL   | 030      | 02       | Reference Identification           | Utility rate code as found in the tariff associated with the consumption history contained in this PTD loop.                                                      |             | AN(1/30)  | Required    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |

| Row No | NY DD Field Name                          | Loop ID  | Segment | Level | Position | Ref Desc | Name                               | Description                                                                                                                                                                                            | Code | Data Type | Response    | Comments                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
|--------|-------------------------------------------|----------|---------|-------|----------|----------|------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------|-----------|-------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 37     | Reference Identification (Rate Sub Class) | PTD Loop | REF     | DTL   | 030      | 01       | Reference Identification Qualifier | Code indicating that REF02 contains the utility rate subclass associated with the metered consumption data contained in this PTD loop for the account requested.                                       | PR   | ID(2/3)   | Conditional | This segment must be sent if a rate subclass is applicable to the service delivery points summarized in this PTD loop.                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| 38     | Reference Identification (Rate Sub Class) | PTD Loop | REF     | DTL   | 030      | 02       | Reference Identification           | Code indicating the sub class associated with the REF*NH segment for the metered consumption data in this PTD loop for the account and commodity requested.                                            |      | AN(1/30)  | Conditional | When a REF*PR is sent, this element is required.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| 39     | Reference Identification ( Load Profile)  | PTD Loop | REF     | DTL   | 030      | 01       | Reference Identification Qualifier | Code indicating that REF02 contains a load profile code associated with the metered consumption data sent in this PTD loop.                                                                            | LO   | ID(2/3)   | Conditional | Load profile codes must be sent when the service is Electric. If more than one load profile code is associated with the metered consumption history on an account, it will be necessary to send multiple PTD*BO loops.                                                                                                                                                                                                                                                                                                                                            |
| 40     | Reference Identification ( Load Profile)  | PTD Loop | REF     | DTL   | 030      | 02       | Reference Identification           | Utility assigned load profile code for the account associated with the metered consumption sent in this PTD loop.                                                                                      |      | AN(1/30)  | Conditional | Some Utilities will post load profile information on their web site for look up by eligible ESCOs.                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| 41     | Quantity                                  | QTY Loop | QTY     | DTL   | 110      | 01       | Quantity Qualifier                 | Code indicating that A02 contains the number of metered service delivery points associated with the data summarized in this QTY loop for the period indicated for the account and commodity requested. | FL   | ID(2/2)   | Required    | Each PTD*BO loop will contain multiple QTY loops since the default response to a request is up to 24 months of historic usage. For electric accounts a separate QTY loop is necessary for each time of day interval being reported within a measurement period (e.g. on-peak, off-peak). If there is more than one unit of measure (for example, demand and kilowatt hours) being reported each unit must be reported in a separate QTY loop for each measurement period. Refer to the examples at the back of the 867HIU Implementation Guide for illustrations. |

| Row No | NY DD Field Name                        | Loop ID  | Segment | Level | Position | Ref Desc | Name                               | Description                                                                                                                                              | Code                                                                                          | Data Type | Response    | Comments                                                                                                                             |
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| 42     | Quantity                                | QTY Loop | QTY     | DTL   | 110      | 02       | Quantity                           | Indicate the number of service points associated with the metered consumption data in this QTY loop within this PTD loop for each period being reported. | x                                                                                             | R 1/15    | Required    |                                                                                                                                      |
| 43     | Measurements                            | QTY Loop | MEA     | DTL   | 160      | 01       | Measurement Reference ID Code      | Code indicating whether the data in this QTY loop is actual, estimated, billed consumption, or calculated data.                                          | AN=Actual<br>BR=Billed<br>EN=Estimated<br>CQ=Calculated<br>Quantity                           | ID2/2     | Required    | See 867HIU Implementation Guide for definitions.                                                                                     |
| 44     | Measurements                            | QTY Loop | MEA     | DTL   | 160      | 02       | Measurement Qualifier              | Code indicating the data in this segment is consumption.                                                                                                 | PRQ                                                                                           | ID 1/3    | Required    |                                                                                                                                      |
| 45     | Measurements                            | QTY Loop | MEA     | DTL   | 160      | 03       | Measurement Value                  | Quantity of consumption for the type indicated in MEA04 for the period indicated in MEA07 for this QTY loop for the account and commodity requested.     |                                                                                               | R 1/20    | Required    | *00's are valid values.                                                                                                              |
| 46     | Measurements                            | QTY Loop | MEA     | DTL   | 160      | 04       | Unit or Basis for Measurement Code | Codes used to indicate the type of measurement associated with the quantity sent in element MEA03.                                                       | HH,K1,K2,K3,K4,<br>K5,K7,KH,TD,TZ                                                             | ID(2/2)   | Required    |                                                                                                                                      |
| 47     | Measurements                            | QTY Loop | MEA     | DTL   | 160      | 07       | Measurement Significance Code      | Codes indicating the period (in a day) when the quantity indicated in MEA03 was consumed.                                                                | 41, 42, 43, 45,<br>49,50, 51, 57,<br>58,73,74,75,<br>84,85,86,87,<br>88,89,90,91,<br>92,93,94 | ID(2/2)   | Conditional | This segment is sent when the service indicated in PTD05 is Electric. Refer to the 867HIU Implementation Guide for code definitions. |
| 48     | Date/Time Reference (Period Start Date) | QTY Loop | DTM     | DTL   | 210      | 01       | Date/Time Qualifier                | Code indicating that DTM02 contains the measurement period start date associated with the quantity sent in the MEA03 element in this QTY loop.           | 150                                                                                           | ID(3/3)   | Required    |                                                                                                                                      |
| 49     | Date/Time Reference (Period Start Date) | QTY Loop | DTM     | DTL   | 210      | 02       | Date                               |                                                                                                                                                          | CCYYMMDD                                                                                      | DT(8/8)   | Required    |                                                                                                                                      |



| Row No | NY DD Field Name                                      | Loop ID  | Segment | Level | Position | Ref Desc | Name                               | Description                                                                                                                                                        | Code      | Data Type | Response    | Comments                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
|--------|-------------------------------------------------------|----------|---------|-------|----------|----------|------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------|-----------|-------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 50     | Date/Time Reference (Period End Date)                 | QTY Loop | DTM     | DTL   | 210      | 01       | Date/Time Qualifier                | Code indicating that DTM02 contains the measurement period end date associated with the quantity sent in the MEA03 element in this QTY loop.                       | 151       | ID(3/3)   | Required    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| 51     | Date/Time Reference (Period End Date)                 | QTY Loop | DTM     | DTL   | 210      | 02       | Date                               |                                                                                                                                                                    | CCYYMMDD  | DT(8/8)   | Required    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| 52     | Product Transfer and Resale Detail (Unmetered Usage)  | PTD Loop | PTD     | DTL   | 010      | 01       | Product Transfer Type Code         | Code indicating that this PTD loop contains unmetered consumption history data.                                                                                    | BC        | ID 2/2    | Conditional | The PTD*BC segment is used to transmit unmetered consumption history data for the account and commodity requested. All unmetered usage of the same service class, subclass and load shape should be summarized in the same PTD loop. When, for example, street lights and outdoor signage on an account have separate load shapes it would be necessary to send two PTD*BC loops. When the history data does not contain any unmetered usage data the PTD*BC segment is not sent. |
| 53     | Product Transfer and Resale Detail (Unmetered Usage)  | PTD Loop | PTD     | DTL   | 010      | 04       | Reference Identification Qualifier | Indicates that PTD05 identifies the commodity reported in this loop.                                                                                               | OZ        | ID 2/3    | Required    | When PTD*BC is sent this element is required.                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| 54     | Product Transfer and Resale Detail (Unmetered Usage)  | PTD Loop | PTD     | DTL   | 010      | 05       | Reference Identification           | Code indicating commodity type                                                                                                                                     | EL or GAS | AN(1/30)  | Required    | When PTD*BC is sent this element is required.                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| 55     | Reference Identification (Utility Rate Service Class) | PTD Loop | REF     | DTL   | 030      | 01       | Reference Identification Qualifier | Code indicating that REF02 contains the Utility service class associated with the unmetered consumption data contained in this PTD loop for the account requested. | NH        | ID(2/3)   | Required    | When PTD*BC is sent this element is required.                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| 56     | Reference Identification (Utility Rate Service Class) | PTD Loop | REF     | DTL   | 030      | 02       | Reference Identification           | Utility rate code as found in the tariff associated with the unmetered consumption history contained in this PTD loop.                                             |           | AN(1/30)  | Required    | When a REF*NH is sent, this element is required.                                                                                                                                                                                                                                                                                                                                                                                                                                  |

| Row No | NY DD Field Name                          | Loop ID  | Segment | Level | Position | Ref Desc | Name                               | Description                                                                                                                                                                                                | Code | Data Type | Response    | Comments                                                                                                                                                                                                                 |
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| 57     | Reference Identification (Rate Sub Class) | PTD Loop | REF     | DTL   | 030      | 01       | Reference Identification Qualifier | Code indicating that REF02 contains the utility rate subclass associated with the unmetered consumption data contained in this PTD loop for the account requested.                                         | PR   | ID(2/3)   | Conditional | This segment must be sent if a rate subclass is applicable to the service delivery points summarized in this PTD loop.                                                                                                   |
| 58     | Reference Identification (Rate Sub Class) | PTD Loop | REF     | DTL   | 030      | 02       | Reference Identification           | Code indicating the sub class associated with the REF NH segment for the unmetered consumption data in this PTD loop for the account and commodity requested.                                              |      | AN(1/30)  | Conditional | When a REF*PR is sent, this element is required.                                                                                                                                                                         |
| 59     | Reference Identification ( Load Profile)  | PTD Loop | REF     | DTL   | 030      | 01       | Reference Identification Qualifier | Code indicating that REF02 contains the load profile code associated with the unmetered consumption data sent in this PTD loop.                                                                            | LO   | ID(2/3)   | Required    | Load profile codes must be sent when the service is Electric. If more than one load profile code is associated with the unmetered consumption history on an account, it will be necessary to send multiple PTD*BC loops. |
| 60     | Reference Identification ( Load Profile)  | PTD Loop | REF     | DTL   | 030      | 02       | Reference Identification           | Utility assigned load profile code for the unmetered consumption sent in this PTD loop.                                                                                                                    |      | AN(1/30)  | Required    | Some Utilities will post load profile information on their web site for look up by eligible ESCOs.                                                                                                                       |
| 61     | Quantity                                  | QTY Loop | QTY     | DTL   | 110      | 01       | Quantity Qualifier                 | Code indicating that QTY02 contains the number of unmetered service delivery points associated with the data summarized in this QTY loop for the period indicated for the account and commodity requested. | FL   | ID(2/2)   | Required    |                                                                                                                                                                                                                          |
| 62     | Quantity                                  | QTY Loop | QTY     | DTL   | 110      | 02       | Quantity                           | Indicate the number of service points associated with the unmetered consumption data in this QTY loop within this PTD loop for each period being reported.                                                 | x    | R 1/15    | Required    |                                                                                                                                                                                                                          |

| Row No | NY DD Field Name                        | Loop ID  | Segment | Level | Position | Ref Desc | Name                               | Description                                                                                                                                          | Code                                                                | Data Type | Response | Comments |
|--------|-----------------------------------------|----------|---------|-------|----------|----------|------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------|-----------|----------|----------|
| 63     | Measurements                            | QTY Loop | MEA     | DTL   | 160      | 01       | Measurement Reference ID Code      | Code indicating whether the data in this QTY loop is actual, estimated, billed consumption, or calculated data.                                      | AN=Actual<br>BR=Billed<br>EN=Estimated<br>CQ=Calculated<br>Quantity | ID2/2     | Required |          |
| 64     | Measurements                            | QTY Loop | MEA     | DTL   | 160      | 02       | Measurement Qualifier              | Code indicating the data in this segment is consumption.                                                                                             | PRQ                                                                 | ID 1/3    | Required |          |
| 65     | Measurements                            | QTY Loop | MEA     | DTL   | 160      | 03       | Measurement Value                  | Quantity of consumption for the type indicated in MEA04 for the period indicated in MEA07 for this QTY loop for the account and commodity requested. |                                                                     | R 1/20    | Required |          |
| 66     | Measurements                            | QTY Loop | MEA     | DTL   | 160      | 04       | Unit or Basis for Measurement Code | Codes used to indicate the type of measurement associated with the quantity sent in element MEA03.                                                   | HH,K1,K2,K3,K4,<br>K5,K7,KH,TD,TZ                                   | ID(2/2)   | Required |          |
| 67     | Date/Time Reference (Period Start Date) | QTY Loop | DTM     | DTL   | 210      | 01       | Date/Time Qualifier                | Code indicating that DTM02 contains the measurement period start date associated with the quantity sent in the MEA03 element in this QTY loop.       | 150                                                                 | ID(3/3)   | Required |          |
| 68     | Date/Time Reference (Period Start Date) | QTY Loop | DTM     | DTL   | 210      | 02       | Date                               |                                                                                                                                                      | CCYYMMDD                                                            | DT(8/8)   | Required |          |
| 69     | Date/Time Reference (Period End Date)   | QTY Loop | DTM     | DTL   | 210      | 01       | Date/Time Qualifier                | Code indicating that DTM02 contains the measurement period end date associated with the quantity sent in the MEA03 element in this QTY loop.         | 151                                                                 | ID(3/3)   | Required |          |
| 70     | Date/Time Reference (Period End Date)   | QTY Loop | DTM     | DTL   | 210      | 02       | Date                               |                                                                                                                                                      | CCYYMMDD                                                            | DT(8/8)   | Required |          |

| Row No | NY DD Field Name                                                | Loop ID  | Segment | Level | Position | Ref Desc | Name                               | Description                                                                                                                                                      | Code      | Data Type | Response    | Comments                                                                                                                                                                                                                                            |
|--------|-----------------------------------------------------------------|----------|---------|-------|----------|----------|------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------|-----------|-------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 71     | Product Transfer and Resale Detail (Metered Consumption Detail) | PTD Loop | PTD     | DTL   | 010      | 01       | Product Transfer Type Code         | Code indicating that this PTD loop contains consumption history data by individual metered service point for the account and commodity requested.                | BQ        | ID 2/2    | Conditional | The PTD*BQ loop is used to report metered consumption history data for the account and commodity specified in the request for an individual metered service point. When history data is recorded by individual meter, this PTD loop should be sent. |
| 72     | Product Transfer and Resale Detail (Metered Consumption Detail) | PTD Loop | PTD     | DTL   | 010      | 04       | Reference Identification Qualifier | Indicates that PTD05 identifies the commodity reported in this loop.                                                                                             | OZ        | ID 2/3    | Required    | When PTD*BQ is being sent, this element is required.                                                                                                                                                                                                |
| 73     | Product Transfer and Resale Detail (Metered Consumption Detail) | PTD Loop | PTD     | DTL   | 010      | 05       | Reference Identification           | Code indicating commodity type                                                                                                                                   | EL or GAS | AN(1/30)  | Required    | When PTD*BQ is being sent, this element is required.                                                                                                                                                                                                |
| 74     | Reference Identification (Meter Number)                         | PTD Loop | REF     | DTL   | 030      | 01       | Reference Identification Qualifier | Code indicating that REF02 contains the Utility assigned meter number for the service end point being reported in this PTD loop.                                 | MG        | ID 2/3    | Required    | When PTD*BQ is being sent, this element is required.                                                                                                                                                                                                |
| 75     | Reference Identification (Meter Number)                         | PTD Loop | REF     | DTL   | 030      | 02       | Reference Identification           |                                                                                                                                                                  | Meter #   | AN(1/30)  | Required    | When PTD*BQ is being sent, this element is required.                                                                                                                                                                                                |
| 76     | Reference Identification (Utility Rate Service Class)           | PTD Loop | REF     | DTL   | 030      | 01       | Reference Identification Qualifier | Code indicating that REF02 contains the Utility service class associated with the metered consumption data contained in this PTD loop for the account requested. | NH        | ID(2/3)   | Required    |                                                                                                                                                                                                                                                     |
| 77     | Reference Identification (Utility Rate Service Class)           | PTD Loop | REF     | DTL   | 030      | 02       | Reference Identification           | Utility rate code as found in the tariff associated with the metered consumption history contained in this PTD loop.                                             |           | AN(1/30)  | Required    |                                                                                                                                                                                                                                                     |
| 78     | Reference Identification (Rate Sub Class)                       | PTD Lop  | REF     | DTL   | 030      | 01       | Reference Identification Qualifier | Code indicating that REF02 contains the utility rate subclass associated with the metered consumption data contained in this PTD loop for the account requested. | PR        | ID(2/3)   | Conditional | This segment must be sent if a rate subclass is applicable to the service delivery points summarized in this PTD loop.                                                                                                                              |

| Row No | NY DD Field Name                          | Loop ID  | Segment | Level | Position | Ref Desc | Name                               | Description                                                                                                                                                 | Code                                                                | Data Type | Response    | Comments                                                      |
|--------|-------------------------------------------|----------|---------|-------|----------|----------|------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------|-----------|-------------|---------------------------------------------------------------|
| 79     | Reference Identification (Rate Sub Class) | PTD Loop | REF     | DTL   | 030      | 02       | Reference Identification           | Code indicating the sub class associated with the REF*NH segment for the metered consumption data in this PTD loop for the account and commodity requested. |                                                                     | AN(1/30)  | Conditional |                                                               |
| 80     | Reference Identification ( Load Profile)  | PTD Loop | REF     | DTL   | 030      | 01       | Reference Identification Qualifier | Code indicating that REF02 contains the load profile code associated with the metered consumption data sent in this PTD loop.                               | LO                                                                  | ID(2/3)   | Conditional | Load Profile codes must be sent when the service is Electric. |
| 81     | Reference Identification ( Load Profile)  | PTD Loop | REF     | DTL   | 030      | 02       | Reference Identification           | Utility assigned load profile code for the account, and rate class (and sub class) associated with the metered consumption sent in this PTD loop.           |                                                                     | AN(1/30)  | Conditional |                                                               |
| 82     | Quantity                                  | QTY Loop | QTY     | DTL   | 110      | 01       | Quantity Qualifier                 | Code indicating that QTY02 contains the number of metered service points contained in this PTD loop for the account and commodity requested.                | FL                                                                  | ID(2/2)   | Required    |                                                               |
| 83     | Quantity                                  | QTY Loop | QTY     | DTL   | 110      | 02       | Quantity                           | Indicate the number of service points associated with the consumption data in this QTY loop for each period being reported.                                 | x                                                                   | R 1/15    | Required    | For the PTD*BQ loop, this element is always "1".              |
| 84     | Measurements                              | QTY Loop | MEA     | DTL   | 160      | 01       | Measurement Reference ID Code      | Code indicating whether the data in this QTY loop is actual, estimated, billed consumption, or calculated data.                                             | AN=Actual<br>BR=Billed<br>EN=Estimated<br>CQ=Calculated<br>Quantity | ID2/2     | Required    |                                                               |
| 85     | Measurements                              | QTY Loop | MEA     | DTL   | 160      | 02       | Measurement Qualifier              | Code indicating the data in this segment is consumption.                                                                                                    | PRQ                                                                 | ID 1/3    | Required    |                                                               |

| Row No | NY DD Field Name                                                | Loop ID  | Segment | Level | Position | Ref Desc | Name                               | Description                                                                                                                                          | Code                                                                           | Data Type | Response    | Comments                                                                                                                                                                                                                                                                                    |
|--------|-----------------------------------------------------------------|----------|---------|-------|----------|----------|------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------|-----------|-------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 86     | Measurements                                                    | QTY Loop | MEA     | DTL   | 160      | 03       | Measurement Value                  | Quantity of consumption for the type indicated in MEA04 for the period indicated in MEA07 for this QTY loop for the account and commodity requested. |                                                                                | R 1/20    | Required    |                                                                                                                                                                                                                                                                                             |
| 87     | Measurements                                                    | QTY Loop | MEA     | DTL   | 160      | 04       | Unit or Basis for Measurement Code | Codes used to indicate the type of measurement associated with the quantity sent in MEA03.                                                           | HH,K1,K2,K3,K4,K5,K7,KH,TD,TZ                                                  | ID(2/2)   | Required    |                                                                                                                                                                                                                                                                                             |
| 88     | Measurements                                                    | QTY Loop | MEA     | DTL   | 160      | 07       | Measurement Significance Code      | Codes indicating the period (in a day) when the quantity indicated in MEA03 was consumed.                                                            | 41, 42, 43, 45, 49,50, 51, 57, 58,73,74,75, 84,85,86,87, 88,89,90,91, 92,93,94 | ID(2/2)   | Conditional | This segment is sent when the service indicated in PTD05 is Electric. Refer to the 867HIU Implementation Guide for code definitions.                                                                                                                                                        |
| 89     | Date/Time Reference (Period Start Date)                         | QTY Loop | DTM     | DTL   | 210      | 01       | Date/Time Qualifier                | Code indicating that DTM02 contains the measurement period start date associated with the quantity sent in the MEA03 element in this QTY loop.       | 150                                                                            | ID(3/3)   | Required    |                                                                                                                                                                                                                                                                                             |
| 90     | Date/Time Reference (Period Start Date)                         | QTY Loop | DTM     | DTL   | 210      | 02       | Date                               |                                                                                                                                                      | CCYYMMDD                                                                       | DT(8/8)   | Required    |                                                                                                                                                                                                                                                                                             |
| 91     | Date/Time Reference (Period End Date)                           | QTY Loop | DTM     | DTL   | 210      | 01       | Date/Time Qualifier                | Code indicating that DTM02 contains the measurement period end date associated with the quantity sent in the MEA03 element in this QTY loop.         | 151                                                                            | ID(3/3)   | Required    |                                                                                                                                                                                                                                                                                             |
| 92     | Date/Time Reference (Period End Date)                           | QTY Loop | DTM     | DTL   | 210      | 02       | Date                               |                                                                                                                                                      | CCYYMMDD                                                                       | DT(8/8)   | Required    |                                                                                                                                                                                                                                                                                             |
| 93     | Product Transfer and Resale Detail (Metered Consumption Detail) | PTD Loop | PTD     | DTL   | 010      | 01       | Product Transfer Type Code         | Code indicating that this PTD loop contains additional information for the account and commodity requested.                                          | FG                                                                             | ID 2/2    | Required    | The PTD*FG loop is used to report additional information for the account and commodity specified in the request and should be sent when this info is available to the utility. This PTD loop should be sent in addition to the HIU data and when no HIU data is available from the utility. |

| Row No | NY DD Field Name                                                | Loop ID  | Segment | Level | Position | Ref Desc | Name                               | Description                                                                                                             | Code                                                                              | Data Type | Response    | Comments                                                                                              |
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| 94     | Product Transfer and Resale Detail (Metered Consumption Detail) | PTD Loop | PTD     | DTL   | 010      | 04       | Reference Identification Qualifier | Indicates that PTD05 identifies the commodity reported in this loop.                                                    | OZ                                                                                | ID 2/3    | Required    | When PTD*FG is being sent, this element is required.                                                  |
| 95     | Product Transfer and Resale Detail (Metered Consumption Detail) | PTD Loop | PTD     | DTL   | 010      | 05       | Reference Identification           | Code indicating commodity type                                                                                          | EL or GAS                                                                         | AN(1/30)  | Required    | When PTD*FG is being sent, this element is required.                                                  |
| 96     | Reference Identification (Customer Supply Status)               | PTD Loop | REF     | DTL   | 030      | 01       | Reference Identification Qualifier | Code indicating that REF02 contains the Customer Supply Status for the account being reported in this PTD loop.         | 0N                                                                                | ID 2/3    | Conditional | When PTD*FG is being sent, this element is required.                                                  |
| 97     | Reference Identification (Customer Supply Status)               | PTD Loop | REF     | DTL   | 030      | 02       | Reference Identification           | Customer Supply Status Indicator                                                                                        | E=Customer receiving supply from ESCO<br>U=Customer receiving supply from Utility | AN(1/30)  | Required    | When REF*0N is being sent, this element is required.                                                  |
| 98     | Reference Identification (Industrial Classification Code)       | PTD Loop | REF     | DTL   | 030      | 01       | Reference Identification Qualifier | Code indicating that REF02 contains the Industrial Classification Code for the account being reported in this PTD loop. | IJ                                                                                | ID(2/3)   | Conditional | When PTD*FG is being sent, this element is required if available in the utility's system.             |
| 99     | Reference Identification (Industrial Classification Code)       | PTD Loop | REF     | DTL   | 030      | 02       | Reference Identification           | Industrial Classification Code for the account being reported in this PTD loop.                                         |                                                                                   | AN(1/30)  | Required    | When REF*IJ is being sent, this element is required.                                                  |
| 100    | Reference Identification (Industrial Classification Code)       | PTD Loop | REF     | DTL   | 030      | 03       | Description                        | Code indicating whether REF02 contains the SIC or the NAICS Code.                                                       | NAICS=REF02 contains NAICS Code<br>SIC=REF02 contains SIC Code                    | AN(1/80)  | Required    | When REF*IJ is being sent, this element is required.                                                  |
| 101    | Reference Identification (Utility Tax Exempt Status)            | PTD Loop | REF     | DTL   | 030      | 01       | Reference Identification Qualifier | Code indicating that REF02 contains the Utility Tax Exempt Status for the account requested.                            | TX                                                                                | ID(2/3)   | Conditional | When PTD*FG is being sent, this element is required.                                                  |
| 103    | Reference Identification (Enrollment Block)                     | PTD Loop | REF     | DTL   | 030      | 01       | Reference Identification Qualifier | Code indicating that REF02 contains the Enrollment Block Indicator for the account requested.                           | ZV                                                                                | ID(2/3)   | Conditional | When PTD*FG is being sent, this element is required when there is an enrollment block on the account. |

| Row No | NY DD Field Name                                        | Loop ID  | Segment | Level | Position | Ref Desc | Name                               | Description                                                                                                  | Code                                                                                                               | Data Type | Response    | Comments                                                                                                                                                                                      |
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| 104    | Reference Identification (Enrollment Block)             | PTD Loop | REF     | DTL   | 030      | 02       | Reference Identification           | Code indicating that there is an Enrollment Block on the account requested.                                  | EB=Enrollment Block                                                                                                | AN(1/30)  | Required    | When REF*ZV is being sent, this element is required.                                                                                                                                          |
| 105    | Reference Identification (Account Settlement Indicator) | PTD Loop | REF     | DTL   | 030      | 01       | Reference Identification Qualifier | Code indicating that REF02 contains the Account Settlement Indicator for the account requested.              | TDT                                                                                                                | ID(2/3)   | Conditional | When PTD*FG is being sent, this element is required when the service being requested is Electric.                                                                                             |
| 106    | Reference Identification (Account Settlement Indicator) | PTD Loop | REF     | DTL   | 030      | 02       | Reference Identification           | Code indicating how the usage is settled with NYISO for the account requested.                               | C=Class Load Shape<br>H=Hourly<br>M=Mixed                                                                          | AN(1/30)  | Required    | When REF*TDT is being sent, this element is required.                                                                                                                                         |
| 107    | Reference Identification (NYPA Discount Indicator)      | PTD Loop | REF     | DTL   | 030      | 01       | Reference Identification Qualifier | Code indicating that REF02 contains the NYPA Discount Indicator for the account requested.                   | YP                                                                                                                 | ID(2/3)   | Conditional | When PTD*FG is being sent, this element is required when the service being requested is Electric and the information is available in the utility's system.                                    |
| 108    | Reference Identification (NYPA Discount Indicator)      | PTD Loop | REF     | DTL   | 030      | 02       | Reference Identification           | Code indicating whether the account requested participates in the NYPA Discount Program.                     | N=No, the customer does not participate in the program<br>Y=Yes, the customer does participate in the program      | AN(1/30)  | Required    | When REF*YP is being sent, this element is required.                                                                                                                                          |
| 109    | Reference Identification (Utility Discount Indicator)   | PTD Loop | REF     | DTL   | 030      | 01       | Reference Identification Qualifier | Code indicating that REF02 contains the Utility Discount Indicator for the account requested.                | SG                                                                                                                 | ID(2/3)   | Conditional | When PTD*FG is being sent, this element is required when the service being requested is Electric and the information is available in the utility's system.                                    |
| 110    | Reference Identification (Utility Discount Indicator)   | PTD Loop | REF     | DTL   | 030      | 02       | Reference Identification           | Code indicating whether the account requested receives a Discount or Incentive Rate from the Utility.        | N=No, there are no Utility Discounts/Incentive Rates<br>Y=Yes, there are Utility Discounts/Incentive Rates program | AN(1/30)  | Required    | When REF*SG is being sent, this element is required.                                                                                                                                          |
| 111    | Reference Identification (Bill Cycle Code)              | PTD Loop | REF     | DTL   | 30       | 1        | Reference Identification Qualifier | Code indicating that the data contained in REF02/03 describes the bill cycle for the customer being enrolled | BF                                                                                                                 | ID(2/3)   | Conditional | This segment must be provided if the information is not available on the Utility's website on a pre-enrollment basis or at the Utility's option as noted in the Utility Maintained EDI Guide. |
| 112    | Reference Identification (Bill Cycle Code)              | PTD Loop | REF     | DTL   | 30       | 2        | Reference Identification           | Number indicating billing cycle.                                                                             | Cycle Code                                                                                                         | AN(1/30)  | Required    | When a REF*BF is sent, this element is required.                                                                                                                                              |



| Row No | NY DD Field Name                           | Loop ID  | Segment | Level | Position | Ref Desc | Name                               | Description                                                                                                                    | Code                                               | Data Type | Response    | Comments                                                                                                                                                                                                          |
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| 113    | Reference Identification (Bill Cycle Code) | PTD Loop | REF     | DTL   | 30       | 3        | Description                        | Text indicating how frequently the customer is billed.                                                                         | MON, BIM, QTR                                      | AN(1/80)  | Conditional | When a REF*BF is sent, this element may be sent if the data in REF02 is not sufficiently descriptive.                                                                                                             |
| 114    | Quantity (ICAP)                            | QTY Loop | QTY     | DTL   | 110      | 01       | Quantity Qualifier                 | Code indicating that the data in QTY02 represents the ICAP Tag.                                                                | KZ                                                 | ID 2/2    | Conditional | This segment is required when the service being requested is Electric and the information is available in the utility's system. Multiple QTY*KZ loops may be provided when future ICAP Tags have been calculated. |
| 115    | Quantity (ICAP)                            | QTY Loop | QTY     | DTL   | 110      | 02       | Quantity                           | ICAP Tag value                                                                                                                 |                                                    | R 1/15    | Required    | When QTY*KZ is sent this element is required.                                                                                                                                                                     |
| 116    | Quantity (ICAP)                            | QTY Loop | QTY     | DTL   | 110      | 03       | Unit or Basis for Measurement Code | Identifies the unit of measurement associated with the data sent in QTY02.                                                     | K1=Kilowatt Demand<br>AJ= Adjusted Kilowatt Demand | ID 2/2    | Required    | When QTY*KZ is sent this element is required. AJ indicates there is a Special Program Adjustment Indicator related to the ICAP Tag. For example, a NYPA adjustment has been applied.                              |
| 117    | Date/Time Reference (ICAP Effective Dates) | PTD Loop | DTM     | DTL   | 020      | 01       | Date/Time Qualifier                | Code indicating that this DTM segment identifies the effective dates associated with the ICAP data provided.                   | 007                                                | ID 3/3    | Optional    | The Utility may provide an effective date range for the ICAP Tag data.                                                                                                                                            |
| 118    | Date/Time Reference (ICAP Effective Dates) | PTD Loop | DTM     | DTL   | 020      | 05       | Date Time Period Format Qualifier  | Code indicating that the value sent element 06 in this segment will be a range of Dates Expressed in Format CCYYMMDD-CCYYMMDD. | RD8                                                | ID 2/3    | Required    | When a DTM*007 is being sent, this element is required.                                                                                                                                                           |
| 119    | Date/Time Reference (ICAP Effective Dates) | PTD Loop | DTM     | DTL   | 020      | 06       | Date Time Period                   | Period expressed in the format CCYYMMDD-CCYYMMDD                                                                               |                                                    | AN 1/35   | Required    | When a DTM*007 is being sent, this element is required.                                                                                                                                                           |
| 120    | Quantity (Number of Meters)                | QTY Loop | QTY     | DTL   | 110      | 01       | Quantity Qualifier                 | Code indicating that the data in QTY02 represents the Number of Meters of the account                                          | 9N                                                 | ID 2/2    | Conditional | The QTY*9N loop is not required when consumption is being reported on an account basis or when a gas profile is being provided.                                                                                   |
| 121    | Quantity (Number of Meters)                | QTY Loop | QTY     | DTL   | 110      | 02       | Quantity                           | Number of Meters                                                                                                               | x                                                  | R 1/15    | Required    | When QTY*9N is sent this element is required.                                                                                                                                                                     |
| 122    | Reference Identification (Meter Number)    | QTY Loop | REF     | DTL   | 030      | 01       | Reference Identification Qualifier | Code indicating that REF02 contains the Utility assigned meter number for the service point being reported in this PTD loop.   | MG                                                 | ID 2/3    | Required    | When QTY*9N is being sent, this element is required.                                                                                                                                                              |

| Row No | NY DD Field Name                                                            | Loop ID  | Segment | Level | Position | Ref Desc | Name                               | Description                                                                                                                                                     | Code      | Data Type | Response    | Comments                                                                                                                            |
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| 123    | Reference Identification (Meter Number)                                     | QTY Loop | REF     | DTL   | 030      | 02       | Reference Identification           | Utility assigned Meter Number or "UNMETERED" for unmetered service points.                                                                                      | Meter #   | AN(1/30)  | Required    | When REF*MG is being sent, this element is required.                                                                                |
| 124    | Product Transfer and Resale Detail (Interval Usage Summary – Account Level) | PTD Loop | PTD     | DTL   | 010      | 01       | Product Transfer Type Code         | Code indicating that this PTD loop contains interval consumption data by the account level on the account for the commodity being reported.                     | XY        | ID(2/2)   | Conditional | Provided when interval consumption is being requested at the account level. This PTD segment is for summarized metered consumption. |
| 125    | Product Transfer and Resale Detail (Interval Usage Summary – Account Level) | PTD Loop | PTD     | DTL   | 010      | 04       | Reference Identification Qualifier | Indicates that PTD05 identifies the commodity reported in this loop.                                                                                            | OZ        | ID(2/3)   | Required    |                                                                                                                                     |
| 126    | Product Transfer and Resale Detail (Interval Usage Summary – Account Level) | PTD Loop | PTD     | DTL   | 010      | 05       | Reference Identification           | Code indicating commodity type                                                                                                                                  | EL or GAS | AN(1/30)  | Required    |                                                                                                                                     |
| 127    | Reference Identification (Rate Class)                                       | PTD Loop | REF     | DTL   | 030      | 01       | Reference Identification Qualifier | Code indicating that REF02 contains the Utility service class associated with the metered usage data contained in this PTD loop for the account being reported. | NH        | ID(2/3)   | Required    | The rate class associated with the meter or service end point being reported is required.                                           |
| 128    | Reference Identification (Rate Class)                                       | PTD Loop | REF     | DTL   | 030      | 02       | Reference Identification           | Utility rate code as found in the tariff associated with the metered usage data contained in this PTD loop.                                                     |           | AN(1/30)  | Required    | When a REF*NH segment is sent, this element is required.                                                                            |
| 129    | Reference Identification (Rate Sub Class)                                   | PTD Loop | REF     | DTL   | 030      | 01       | Reference Identification Qualifier | Code indicating that REF02 contains the utility rate subclass associated with the metered usage data contained in this PTD loop for the account being reported. | PR        | ID(2/3)   | Conditional | Used when further clarification of a rate is provided.                                                                              |

| Row No | NY DD Field Name                                   | Loop ID  | Segment | Level | Position | Ref Desc | Name                               | Description                                                                                                                                                                                                                             | Code                                                       | Data Type | Response    | Comments                                                                                                                                |
|--------|----------------------------------------------------|----------|---------|-------|----------|----------|------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------|-----------|-------------|-----------------------------------------------------------------------------------------------------------------------------------------|
| 130    | Reference Identification (Rate Sub Class)          | PTD Loop | REF     | DTL   | 030      | 02       | Reference Identification           | Code indicating the sub class associated with the REF NH segment for the metered usage data in this PTD loop for the account and commodity being reported.                                                                              |                                                            | AN(1/30)  | Required    | When a REF*PR segment is sent, this element is required.                                                                                |
| 131    | Reference Identification (Interval Reading Period) | PTD Loop | REF     | DTL   | 030      | 01       | Reference Identification Qualifier | Code indicating that REF02 contains the Utility Interval Reading Period for the service end point being reported in this PTD loop.                                                                                                      | MT                                                         | ID(2/3)   | Conditional | Used to provide clarification of interval meter data reading period.                                                                    |
| 132    | Reference Identification (Interval Reading Period) | PTD Loop | REF     | DTL   | 030      | 02       | Reference Identification           | 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. | Interval Reading Period                                    | AN(1/30)  | Required    | When REF*MT is sent, the 02 element is required.                                                                                        |
| 133    | Date/Time Reference (Period Start Date)            | PTD Loop | DTM     | DTL   | 070      | 01       | Date/Time Qualifier                | Code indicating that DTM02 contains the start date for the usage period being reported in this PTD loop.                                                                                                                                | 150                                                        | ID(3/3)   | Required    |                                                                                                                                         |
| 134    | Date/Time Reference (Period Start Date)            | PTD Loop | DTM     | DTL   | 070      | 02       | Date                               |                                                                                                                                                                                                                                         | CCYYMMDD                                                   | DT(8/8)   | Required    |                                                                                                                                         |
| 135    | Date/Time Reference (Period End Date)              | PTD Loop | DTM     | DTL   | 070      | 01       | Date/Time Qualifier                | Code indicating that DTM02 contains the end date for the usage period being reported in this PTD loop.                                                                                                                                  | 151                                                        | ID(3/3)   | Required    |                                                                                                                                         |
| 136    | Date/Time Reference (Period End Date)              | PTD Loop | DTM     | DTL   | 070      | 02       | Date                               |                                                                                                                                                                                                                                         | CCYYMMDD                                                   | DT(8/8)   | Required    |                                                                                                                                         |
| 137    | Quantity                                           | QTY Loop | QTY     | DTL   | 110      | 01       | Quantity Qualifier                 | Code indicating whether the consumption in this PTD loop is actual, estimated or billed consumption.                                                                                                                                    | QD=Period Actual<br>KA=Period Estimated<br>20=Missing Read | ID(2/2)   | Required    | When a PTD*XY loop is being sent, A QTY segment is required. This element indicates the character of the value being provided in QTY02. |

| Row No | NY DD Field Name                                           | Loop ID  | Segment | Level | Position | Ref Desc | Name                               | Description                                                                                                                                                    | Code                                                     | Data Type | Response    | Comments                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
|--------|------------------------------------------------------------|----------|---------|-------|----------|----------|------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------|-----------|-------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 138    | Quantity                                                   | QTY Loop | QTY     | DTL   | 110      | 02       | Quantity                           | Quantity of recorded usage for the type indicated in QTY03 for the period indicated in DTM*582 for this PTD loop for the account and commodity being reported. |                                                          | R(1/15)   | Required    | Data elements whose X12 attribute type is 'R' are treated as real numbers. Real numbers are assumed to be positive numbers and a minus (-) sign must precede the amount when a negative number is being sent. Real numbers do NOT provide for an implied decimal position; therefore a decimal point must be sent when decimal precision is required. Note that in transmitting real numbers it is acceptable, but not necessary, to transmit digits that have no significance i.e. leading or trailing zeros. |
| 139    | Quantity                                                   | QTY Loop | QTY     | DTL   | 110      | 03       | Unit or Basis for Measurement Code | Use these codes to describe the measurement units associated with the quantity sent in MEA03.                                                                  | HH or KH                                                 | ID(2/2)   | Required    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| 140    | Date/Time Reference (Period End Date)                      | PTD Loop | DTM     | DTL   | 070      | 01       | Date/Time Qualifier                | Code indicating that DTM02 and DTM03 contain the end date and time for the usage period being reported in this PTD loop.                                       | 582                                                      | ID(3/3)   | Required    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| 141    | Date/Time Reference (Period End Date)                      | PTD Loop | DTM     | DTL   | 070      | 02       | Date                               |                                                                                                                                                                | CCYYMMDD                                                 | DT(8/8)   | Required    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| 142    | Date/Time Reference (Period End Date)                      | PTD Loop | DTM     | DTL   | 070      | 03       | Time                               |                                                                                                                                                                | HHMM                                                     | TM(4/8)   | Required    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| 143    | Date/Time Reference (Period End Date)                      | PTD Loop | DTM     | DTL   | 070      | 04       | Time Code                          | Time Zone for the period being reported in DTM02 and DTM03.                                                                                                    | ED – Eastern Daylight Time<br>ES – Eastern Standard Time | ID(2/2)   | Optional    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| 144    | Product Transfer and Resale Detail (Interval Meter Detail) | PTD Loop | PTD     | DTL   | 010      | 01       | Product Transfer Type Code         | Code indicating that this PTD loop contains metered usage data by each individual metered service point on the account for the commodity being reported.       | PM                                                       | ID(2/2)   | Conditional | This PTD loop is used to report interval meter data by meter. Unless beginning and ending 'reads' are being used to describe unmetered consumption, that data should not be sent in this loop but in PTD*BC.                                                                                                                                                                                                                                                                                                   |
| 145    | Product Transfer and Resale Detail (Interval Meter Detail) | PTD Loop | PTD     | DTL   | 010      | 04       | Reference Identification Qualifier | Indicates that PTD05 identifies the commodity reported in this loop.                                                                                           | OZ                                                       | ID(2/3)   | Required    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |

| Row No | NY DD Field Name                                           | Loop ID  | Segment | Level | Position | Ref Desc | Name                               | Description                                                                                                                                                     | Code      | Data Type | Response    | Comments                                                                                                                 |
|--------|------------------------------------------------------------|----------|---------|-------|----------|----------|------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------|-----------|-------------|--------------------------------------------------------------------------------------------------------------------------|
| 146    | Product Transfer and Resale Detail (Interval Meter Detail) | PTD Loop | PTD     | DTL   | 010      | 05       | Reference Identification           | Code indicating commodity type                                                                                                                                  | EL or GAS | AN(1/30)  | Required    |                                                                                                                          |
| 147    | Reference Identification (Meter Number)                    | PTD Loop | REF     | DTL   | 030      | 01       | Reference Identification Qualifier | Code indicating that REF02 contains the Utility assigned meter number for the service end point being reported in this PTD loop.                                | MG        | ID(2/3)   | Conditional | A meter number OR a service point id number must be provided for each measurement point being reported in this PTD loop. |
| 148    | Reference Identification (Meter Number)                    | PTD Loop | REF     | DTL   | 030      | 02       | Reference Identification           | Utility assigned meter number                                                                                                                                   | Meter #   | AN(1/30)  | Required    | When REF*MG is sent, the 02 element is required.                                                                         |
| 149    | Reference Identification (Rate Class)                      | PTD Loop | REF     | DTL   | 030      | 01       | Reference Identification Qualifier | Code indicating that REF02 contains the Utility service class associated with the metered usage data contained in this PTD loop for the account being reported. | NH        | ID(2/3)   | Required    | The rate class associated with the meter or service end point being reported is required.                                |
| 150    | Reference Identification (Rate Class)                      | PTD Loop | REF     | DTL   | 030      | 02       | Reference Identification           | Utility rate code as found in the tariff associated with the metered usage data contained in this PTD loop.                                                     |           | AN(1/30)  | Required    | When a REF*NH segment is sent, this element is required.                                                                 |
| 151    | Reference Identification (Rate Sub Class)                  | PTD Loop | REF     | DTL   | 030      | 01       | Reference Identification Qualifier | Code indicating that REF02 contains the utility rate subclass associated with the metered usage data contained in this PTD loop for the account being reported. | PR        | ID(2/3)   | Conditional | Used when further clarification of a rate is provided.                                                                   |
| 152    | Reference Identification (Rate Sub Class)                  | PTD Loop | REF     | DTL   | 030      | 02       | Reference Identification           | Code indicating the sub class associated with the REF NH segment for the metered usage data in this PTD loop for the account and commodity being reported.      |           | AN(1/30)  | Required    | When a REF*PR segment is sent, this element is required.                                                                 |
| 153    | Reference Identification (Interval Reading Period)         | PTD Loop | REF     | DTL   | 030      | 01       | Reference Identification Qualifier | Code indicating that REF02 contains the Utility Interval Reading Period for the service end point being reported in this PTD loop.                              | MT        | ID(2/3)   | Conditional | Used to provide clarification of interval meter data reading period.                                                     |

| Row No | NY DD Field Name                                   | Loop ID  | Segment | Level | Position | Ref Desc | Name                     | Description                                                                                                                                                                                                                             | Code                                                       | Data Type | Response | Comments                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
|--------|----------------------------------------------------|----------|---------|-------|----------|----------|--------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------|-----------|----------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 154    | Reference Identification (Interval Reading Period) | PTD Loop | REF     | DTL   | 030      | 02       | Reference Identification | 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. | Interval Reading Period                                    | AN(1/30)  | Required | When REF*MT is sent, the 02 element is required.                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| 155    | Date/Time Reference (Period Start Date)            | PTD Loop | DTM     | DTL   | 070      | 01       | Date/Time Qualifier      | Code indicating that DTM02 contains the start date for the usage period being reported in this PTD loop.                                                                                                                                | 150                                                        | ID(3/3)   | Required |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| 156    | Date/Time Reference (Period Start Date)            | PTD Loop | DTM     | DTL   | 070      | 02       | Date                     |                                                                                                                                                                                                                                         | CCYYMMDD                                                   | DT(8/8)   | Required |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| 157    | Date/Time Reference (Period End Date)              | PTD Loop | DTM     | DTL   | 070      | 01       | Date/Time Qualifier      | Code indicating that DTM02 contains the end date for the usage period being reported in this PTD loop.                                                                                                                                  | 151                                                        | ID(3/3)   | Required |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| 158    | Date/Time Reference (Period End Date)              | PTD Loop | DTM     | DTL   | 070      | 02       | Date                     |                                                                                                                                                                                                                                         | CCYYMMDD                                                   | DT(8/8)   | Required |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| 159    | Quantity                                           | QTY Loop | QTY     | DTL   | 110      | 01       | Quantity Qualifier       | Code indicating whether the consumption in this PTD loop is actual, estimated or billed consumption.                                                                                                                                    | QD=Period Actual<br>KA=Period Estimated<br>20=Missing Read | ID(2/2)   | Required | When a PTD*PM loop is being sent, A QTY segment is required. This element indicates the character of the value being provided in QTY02.                                                                                                                                                                                                                                                                                                                                                                        |
| 160    | Quantity                                           | QTY Loop | QTY     | DTL   | 110      | 02       | Quantity                 | Quantity of recorded usage for the type indicated in QTY03 for the period indicated in DTM*582 for this PTD loop for the account and commodity being reported.                                                                          |                                                            | R(1/15)   | Required | Data elements whose X12 attribute type is 'R' are treated as real numbers. Real numbers are assumed to be positive numbers and a minus (-) sign must precede the amount when a negative number is being sent. Real numbers do NOT provide for an implied decimal position; therefore a decimal point must be sent when decimal precision is required. Note that in transmitting real numbers it is acceptable, but not necessary, to transmit digits that have no significance i.e. leading or trailing zeros. |

| Row No | NY DD Field Name                      | Loop ID  | Segment | Level | Position | Ref Desc | Name                               | Description                                                                                                              | Code                                                     | Data Type | Response | Comments                                                          |
|--------|---------------------------------------|----------|---------|-------|----------|----------|------------------------------------|--------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------|-----------|----------|-------------------------------------------------------------------|
| 161    | Quantity                              | QTY Loop | QTY     | DTL   | 110      | 03       | Unit or Basis for Measurement Code | Use these codes to describe the measurement units associated with the quantity sent in MEA03.                            | HH or KH                                                 | ID(2/2)   | Required |                                                                   |
| 162    | Date/Time Reference (Period End Date) | PTD Loop | DTM     | DTL   | 070      | 01       | Date/Time Qualifier                | Code indicating that DTM02 and DTM03 contain the end date and time for the usage period being reported in this PTD loop. | 582                                                      | ID(3/3)   | Required |                                                                   |
| 163    | Date/Time Reference (Period End Date) | PTD Loop | DTM     | DTL   | 070      | 02       | Date                               |                                                                                                                          | CCYYMMDD                                                 | DT(8/8)   | Required |                                                                   |
| 164    | Date/Time Reference (Period End Date) | PTD Loop | DTM     | DTL   | 070      | 03       | Time                               |                                                                                                                          | HHMM                                                     | TM(4/8)   | Required |                                                                   |
| 165    | Date/Time Reference (Period End Date) | PTD Loop | DTM     | DTL   | 070      | 04       | Time Code                          | Time Zone for the period being reported in DTM02 and DTM03.                                                              | ED – Eastern Daylight Time<br>ES – Eastern Standard Time | ID(2/2)   | Optional |                                                                   |
| 166    | Transaction Set Trailer               | None     | SE      | DTL   | 180      | 01       | Number of Included Segments        | Number of segments in this transaction.                                                                                  | #                                                        | NO 1/10   | Required |                                                                   |
| 167    | Transaction Set Trailer               | None     | SE      | DTL   | 180      | 02       | Transaction Set Control Number     |                                                                                                                          | ST02                                                     | AN(4/9)   | Required | Refer to examples at the back of the 867HIU Implementation Guide. |