

# New York Implementation Standard

## For Standard Electronic Transactions

TRANSACTION SET

# 867

## Consumption History/Gas Profile

### Ver/Rel 004010

|                                 | <b>Summary of Changes</b>   |
|---------------------------------|---|
| July 20, 2001<br>Version 1.0    | Initial Release   |
| August 23, 2001                 | Errata Notice Issued<br>MEA07 element was deleted from PTD Loop where PTD01=BC (Unmetered Usage) in the corresponding 867HU data dictionary.  |
| March 17, 2004<br>Version 1.1   | Version 1.1 Issued <ul style="list-style-type: none"> <li>The following codes were added to element MEA07 in the MEA segments present in the QTY loops for the PTD*BO and PTD*BQ loops to provide for more detailed descriptions of electric consumption/usage data: 45 (Summer On Peak), 49 (Winter On Peak), 50 (Winter Mid Peak), 57 (Summer Total), 58 (Winter Total), 73 (Summer Off Peak), 74 (Summer Intermediate Peak), 75 (Winter Off Peak), 84 (High Tension On Peak Energy), 85 (High Tension Off Peak Energy), 86 (Low Tension On Peak Energy), 87 ( Low Tension Off Peak Energy), 88 (Low Tension Total Energy), 89 (Low Tension Primary Demand), 90 ( Low Tension Transmission Demand), 92 (High Tension Total Energy), 93 (High Tension Primary Demand) and 94 (High Transmission Demand).</li> <li>Notes were added to clarify the use of codes 41 (Off Peak), 42 (On Peak) and 51 (Total) by Consolidated Edison of New York..</li> <li>Notes regarding the attributes of "R" elements were added to the Front Matter notes.</li> <li>Use of the QTY*99 was corrected from 'Required' to 'Conditional'.</li> </ul> |
| October 23, 2014<br>Version 1.2 | Version 1.2 Issued  |
|                                 | <ul style="list-style-type: none"> <li>The PTD*FG (Additional Information) loop was added to include REF*0N (Customer Shopping Status), REF*IJ (Industrial Classification Code), REF*TX (Utility Tax Exempt Status), REF*ZV (Block on Account), REF*TDT (Account Settlement Indicator), REF*YP (NYPA Discount Indicator), REF*SG (Utility Discount), QTY*KZ (ICAP Tag), QTY*9N (Number of Meters) and REF*MG (Meter Number).</li> </ul> <p>This loop is used when data is available from the utility. <del>This loop is sent when there is</del><b>In the event that no historical usage is available if the utility has any of these data available for on the ESCO account, this may be the only information contained within the 867HU.</b></p>  |
|                                 | Utility specific notes are generalized, as appropriate, and designated for relocation to/reference within Utility Maintained EDI Guides, as necessary.  |
|                                 | <p>Updates to Notes and Examples to accommodate a hybrid 867HU transaction containing gas profile factors in a PTD*BG loop and up to 24 months of consumption history. Removal of no longer used segments from the PTD*SM loop:</p> <ul style="list-style-type: none"> <li>DTM*582****RMD – Annual Period</li> <li>QTY*99-Projected Usage – Normal</li> <li>QTY*QD-Projected Delivery – Normal</li> <li>QTY*9D-Projected Usage – Design</li> <li>QTY*DD-Projected Delivery – Design</li> </ul>  |

|  |  |
|--|--|
|  | Added possible value to MEA01:<br>CQ – Calculated Quantity |
|  | Replaced references to Marketer and E/M with ESCO.         |

DRAFT

|                                   |   |
|-----------------------------------|---|
|                                   | <b>Notes pertaining to the use of this document</b>   |
| Purpose                           | <ul style="list-style-type: none"> <li>This 867 Transaction Set is used to return Historic Usage or Gas Profile information in response to an 814 Consumption History/Gas Profile Request or to a secondary request for history/gas profile data sent in an 814 Enrollment Request transaction. These standards are based on the ASC X12 Ver/Rel 004010 standard and related UIG guidelines.</li> </ul>   |
| One account/one commodity per 867 | <ul style="list-style-type: none"> <li>Each response will contain up to 24 months of consumption history for one account for one commodity (i.e. electric or gas). If a customer takes both electric and gas bundled service from the utility under a single account number, the ESCO must request history for each commodity in separate transactions (i.e. two 814 Consumption History Request transactions or two 814 Enrollment Request transactions). If the requests are valid, the Utility will respond with two 867 transactions – one for each commodity.</li> </ul>   |
| All meters per account            | <ul style="list-style-type: none"> <li>When an ESCO requests consumption history for electric service on an account, the response will contain history data for all electric meters, and/or all unmetered electric service on the account. Similarly, when a request for consumption history is received for gas service on an account, the response will contain history data or gas profile(s) for all gas meters on the account.</li> </ul>  |
| Historic usage                    | <ul style="list-style-type: none"> <li>The responses reflected in this Implementation Guide are for history data or gas profile data. Each utility may elect to support gas profile requests and the details of a utility's gas profile implementation will be explained in its Utility Maintained EDI Guide. The history data is billing period information for the previous 24 months, or life of the account, whichever is shorter. The gas profile data is a weather normalized forecast for a 24 month period. If a gas profile is requested from a utility that does not support gas profiles, the 867 response will contain historic gas usage.</li> </ul> |
| Interval Data                     | <ul style="list-style-type: none"> <li>Historic interval consumption will be transmitted on an 867 in summarized form as used for billing. Actual interval data will be made available upon request in a non-EDI format.</li> </ul>   |
|                                   |   |

|                          |  |
|--------------------------|--|
| Description of PTD Loops | <ul style="list-style-type: none"> <li>Each PTD loop must contain the Utility Rate Service Class, Rate Sub Class (if applicable) and Load Profile code (for electric service) associated with the usage being sent.</li> <li>Responses to requests for historic usage may contain one or more PTD loops depending upon the type of data being sent. Summarized metered consumption is sent in PTD*BO loops; summarized unmetered consumption data is sent in PTD*BC loops; and detailed consumption by meter will be sent in PTD*BQ loops. These PTD segments will contain multiple QTY loops for usage data by period start and end dates. The data provided is data as available from the utility's Customer Information System. See examples at the back of this Implementation Guide.</li> <li>Two PTD loops will be used to transmit Gas Profile data. The PTD*BG segment will contain gas profile factors in a series of QTY loops. The PTD*SM segment contains the gas profile data. The profile data will be sent in multiple PTD*SM loops – one for each forecast. See examples at the back of this Implementation Guide.</li> <li>The PTD*FG (Additional Information) loop will be used to transmit additional information such as ICAP Tag and customer information.</li> </ul> |
| Data Element Attributes  | <ul style="list-style-type: none"> <li>Data elements whose X12 attribute type is 'R' (for example the QTY02 or AMT02 elements) 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.</li> </ul>   |
| Definitions              | <ul style="list-style-type: none"> <li>The term Utility or LDC (Local Distribution Company) is used in this document to refer to the local gas or electric distribution company, i.e. the entity providing regulated bundled commodity service. The term ESCO is used in this document to refer to either a gas or electric supplier. The principal parties involved in this Transaction Set 814 implementation guide are: <ul style="list-style-type: none"> <li>The end-use customer (Code 8R)</li> <li>The Utility (LDC) (Code 8S)</li> <li>The Supplier (ESCO) (Code SJ).</li> </ul> </li> <li>The terms Usage, Consumption, and Data used in this document refer to the calculated amount of the commodity (kWh, therms, etc.) used for utility billing.</li> </ul>   |
| Companion Documents      | <ul style="list-style-type: none"> <li>All of the applicable business rules for New York are not necessarily documented in this implementation guide. Accordingly, the Usage Business Processes – Historical document and the data dictionary for the TS867 Consumption History/Gas Profile should be reviewed where further clarification is needed.</li> </ul>   |

## Implementation Guideline Field Descriptions

|                        |  |                                 |
|------------------------|--|---------------------------------|
| <b>Segment:</b>        | <b>REF</b>   | <b>Reference Identification</b> |
| <b>Position:</b>       | 030  |                                 |
| <b>Loop:</b>           | LIN  | Optional                        |
| <b>Level:</b>          | Detail   |                                 |
| <b>Usage:</b>          | Optional   |                                 |
| <b>Max Use:</b>        | >1   |                                 |
| <b>Purpose:</b>        | To specify identifying information   |                                 |
| <b>Syntax Notes:</b>   | <ol style="list-style-type: none"> <li>1 At least one of REF02 or REF03 is required.</li> <li>2 If either C04003 or C04004 is present, then the other is required.</li> <li>3 If either C04005 or C04006 is present, then the other is required.</li> </ol>  |                                 |
| <b>Semantic Notes:</b> | 1 REF04 contains data relating to the value cited in REF02.  |                                 |
| <b>Comments:</b>       |  |                                 |
| <b>Notes:</b>          | <p>Account numbers will only contain uppercase letters (A to Z) and digits (0 to 9). Note that punctuation (spaces, dashes, etc.) must be excluded, and leading and trailing zeros that are part of the account number must be present.</p> <p>Request: Required</p> <p>Accept Response: Required</p> <p>Reject Response: Required unless account number was not provided on the request.</p> <p>REF*12*2931839200</p> |                                 |

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

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

One or more examples.

### Data Element Summary

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

This column documents differences between X12 and NY use for each data element within a segment.  
**Mand.** = X12 Required  
**Must Use** = NY Required  
**Optional** = NY Optional  
**Cond.** = NY Conditional

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

These columns show the X12 attributes for each data element:

M = Mandatory  
O = Optional  
X = Conditional

AN = Alphanumeric  
N# = Implied Decimal  
ID = Identification  
R = Real  
DT = Date (CCYYMMDD)

1/30 = Minimum 1, Maximum 30

# 867 Consumption History/Gas Profile

Functional Group ID=**PT**

## Introduction:

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

## Notes:

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

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

## Heading:

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

## Detail:

| Page No.      | Pos. No. | Seg. ID | Name  | Req. Des. | Max.Use | Loop Repeat | Notes and Comments |
|---------------|----------|---------|---|-----------|---------|-------------|--------------------|
| LOOP ID - PTD |          |         |   |           |         |             | >1                 |
| 13            | 010      | PTD     | Product Transfer and Resale Detail (Metered Summary)  | O         | 1       |             |                    |
| 14            | 030      | REF     | Reference Identification (Utility Rate Service Class) | O         | 1       |             |                    |
| 15            | 030      | REF     | Reference Identification (Rate Sub Class)             | O         | 1       |             |                    |
| 16            | 030      | REF     | Reference Identification (Load Profile)               | O         | 1       |             |                    |
| LOOP ID - QTY |          |         |   |           |         |             | >1                 |
| 17            | 110      | QTY     | Quantity  | O         | 1       |             |                    |
| 18            | 160      | MEA     | Measurements  | O         | 40      |             |                    |
| 20            | 210      | DTM     | Date/Time Reference (Period Start Date)               | O         | 1       |             |                    |
| 21            | 210      | DTM     | Date/Time Reference (Period End Date)                 | O         | 1       |             |                    |

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|               |     |     |   |    |    |
|---------------|-----|-----|---|----|----|
| LOOP ID - PTD |     |     |   | >1 |    |
| 22            | 010 | PTD | Product Transfer and Resale Detail (Unmetered Usage)            | O  | 1  |
| 23            | 030 | REF | Reference Identification (Utility Rate Service Class)           | O  | 1  |
| 24            | 030 | REF | Reference Identification (Rate Sub Class)                       | O  | 1  |
| 25            | 030 | REF | Reference Identification (Load Profile)                         | O  | 1  |
| LOOP ID - QTY |     |     |   | >1 |    |
| 26            | 110 | QTY | Quantity  | O  | 1  |
| 27            | 160 | MEA | Measurements  | O  | 1  |
| 28            | 210 | DTM | Date/Time Reference (Period Start Date)                         | O  | 1  |
| 29            | 210 | DTM | Date/Time Reference (Period End Date)                           | O  | 1  |
| LOOP ID - PTD |     |     |   | >1 |    |
| 30            | 010 | PTD | Product Transfer and Resale Detail (Metered Consumption Detail) | O  | 1  |
| 31            | 030 | REF | Reference Identification (Meter Number)                         | O  | 1  |
| 32            | 030 | REF | Reference Identification (Utility Rate Service Class)           | O  | 1  |
| 33            | 030 | REF | Reference Identification (Rate Sub Class)                       | O  | 1  |
| 34            | 030 | REF | Reference Identification (Load Profile)                         | O  | 1  |
| LOOP ID - QTY |     |     |   | >1 |    |
| 35            | 110 | QTY | Quantity  | O  | 1  |
| 36            | 160 | MEA | Measurements  | O  | 40 |
| 38            | 210 | DTM | Date/Time Reference (Period Start Date)                         | O  | 1  |
| 39            | 210 | DTM | Date/Time Reference (Period End Date)                           | O  | 1  |
| LOOP ID - PTD |     |     |   | 1  |    |
| 40            | 010 | PTD | Product Transfer and Resale Detail (Gas Profile Factors)        | O  | 1  |
| 41            | 020 | DTM | Date/Time Reference (Profile Period Start Date)                 | O  | 1  |
| 42            | 020 | DTM | Date/Time Reference (Date Customer Initiated Service)           | O  | 1  |
| 43            | 030 | REF | Reference Identification (Utility Rate Service Class)           | O  | 1  |
| 44            | 030 | REF | Reference Identification (Rate Sub Class)                       | O  | 1  |
| LOOP ID - QTY |     |     |   | 1  |    |
| 45            | 110 | QTY | Quantity (Base)   | O  | 1  |
| LOOP ID - QTY |     |     |   | 1  |    |
| 46            | 110 | QTY | Quantity (Slope)  | O  | 1  |
| LOOP ID - QTY |     |     |   | 1  |    |
| 47            | 110 | QTY | Quantity (Load Factor)  | O  | 1  |
| LOOP ID - QTY |     |     |   | 1  |    |
| 48            | 110 | QTY | Quantity (UFG Rate)   | O  | 1  |
| LOOP ID - QTY |     |     |   | 1  |    |
| 49            | 110 | QTY | Quantity (Maximum Delivery)                                     | O  | 1  |
| LOOP ID - PTD |     |     |   | 12 |    |
| 50            | 010 | PTD | Product Transfer and Resale Detail (Gas Profile Data)           | O  | 1  |
| 51            | 020 | DTM | Date/Time Reference (Report Month)                              | O  | 1  |
| 52            | 020 | DTM | Date/Time Reference (Annual Period)                             | O  | 1  |
| LOOP ID - QTY |     |     |   | 1  |    |
| 5253          | 110 | QTY | Quantity (Projected Usage - Normal)                             | O  | 1  |
| LOOP ID - QTY |     |     |   | 1  |    |
| 5254          | 110 | QTY | Quantity (Projected Monthly Usage)                              | O  | 1  |
| LOOP ID - QTY |     |     |   | 1  |    |
| 5355          | 110 | QTY | Quantity (Projected Delivery - Normal)                          | O  | 1  |



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|                 |     |     |  |   |   |   |  |
|-----------------|-----|-----|--|---|---|---|--|
|                 |     |     | LOOP ID - QTY                                  |   |   | 1 |  |
| <del>5356</del> | 110 | QTY | Quantity (Projected Monthly Delivery Quantity) | O | 1 |   |  |
|                 |     |     | LOOP ID - QTY                                  |   |   | 1 |  |
| <del>5457</del> | 110 | QTY | Quantity (Projected Daily Delivery Quantity)   | O | 1 |   |  |
|                 |     |     | LOOP ID - QTY                                  |   |   | 1 |  |
| <del>5558</del> | 110 | QTY | Quantity (Projected Usage - Design)            | O | 1 |   |  |
|                 |     |     | LOOP ID - QTY                                  |   |   | 1 |  |
| <del>5559</del> | 110 | QTY | Quantity (Projected Delivery - Design)         | O | 1 |   |  |
|                 |     |     | LOOP ID - QTY                                  |   |   | 1 |  |
| <del>5560</del> | 110 | QTY | Quantity (Projected Balancing Use)             | O | 1 |   |  |
| <del>5661</del> | 140 | AMT | Monetary Amount (Projected Swing Charges)      | O | 1 |   |  |

**Summary:**

| <u>Page No.</u> | <u>Pos. No.</u> | <u>Seg. ID</u> | <u>Name</u>             | <u>Req. Des.</u> | <u>Max.Use</u> | <u>Loop Repeat</u> | <u>Notes and Comments</u> |
|-----------------|-----------------|----------------|-------------------------|------------------|----------------|--------------------|---------------------------|
| <del>5661</del> | 030             | SE             | Transaction Set Trailer | M                | 1              |                    |                           |
| E-1             |                 |                | Examples                |                  |                |                    |                           |

**Transaction Set Notes:**

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

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

#### Data Element Summary

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

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

**Comments:**

**Notes:**

Required  
 BPT~52~2001062730326001~20010627~DD

**Data Element Summary**

|                 | <u>Ref.</u><br><u>Des.</u> | <u>Data</u><br><u>Element</u> | <u>Name</u>                         | <u>Attributes</u>   |
|-----------------|----------------------------|-------------------------------|-------------------------------------|---|
| <b>Mand.</b>    | <b>BPT01</b>               | <b>353</b>                    | <b>Transaction Set Purpose Code</b> | <b>M ID 2/2</b>   |
|                 |                            |                               | 52                                  | Response to Historical Inquiry  |
|                 |                            |                               |                                     | Response to a request for consumption history or gas profile.                         |
| <b>Must Use</b> | <b>BPT02</b>               | <b>127</b>                    | <b>Reference Identification</b>     | <b>O AN 1/30</b>  |
| <b>Mand.</b>    | <b>BPT03</b>               | <b>373</b>                    | <b>Date</b>                         | <b>M DT 8/8</b>   |
|                 |                            |                               |                                     | This is the date that the transaction was created by the sender's application system. |
| <b>Must Use</b> | <b>BPT04</b>               | <b>755</b>                    | <b>Report Type Code</b>             | <b>O ID 2/2</b>   |
|                 |                            |                               | 41                                  | Statistical Model   |
|                 |                            |                               |                                     | Gas Profile   |
|                 |                            |                               | DD                                  | Distributor Inventory Report  |
|                 |                            |                               |                                     | Historic Usage  |

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

#### Data Element Summary

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

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

#### Data Element Summary

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

|                        |   |
|------------------------|---|
| <b>Segment:</b>        | <b>N1</b> Name (Customer)   |
| <b>Position:</b>       | 080   |
| <b>Loop:</b>           | N1 Optional (Must Use)  |
| <b>Level:</b>          | Heading   |
| <b>Usage:</b>          | Optional (Must Use)   |
| <b>Max Use:</b>        | 1   |
| <b>Purpose:</b>        | To identify the customer in this transaction.   |
| <b>Syntax Notes:</b>   | <ol style="list-style-type: none"> <li>1 At least one of N102 or N103 is required.</li> <li>2 If either N103 or N104 is present, then the other is required.</li> </ol>   |
| <b>Semantic Notes:</b> |   |
| <b>Comments:</b>       | <ol style="list-style-type: none"> <li>1 This segment, used alone, provides the most efficient method of providing organizational identification. To obtain this efficiency the "ID Code" (N104) must provide a key to the table maintained by the transaction processing party.</li> <li>2 N105 and N106 further define the type of entity in N101.</li> </ol> |
| <b>Notes:</b>          | <p>Required</p> <p>The customer's current tax district must be sent in the N4 segment in this N1 loop. When an N4 segment is required, an N1 segment must also be sent to comply with X12 requirements.</p> <p>N1~8R~MARY SMITH<br/>N1~8R~NAME</p>  |

#### Data Element Summary

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

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

Optional  
 N3~STREET ADDRESS~OVERFLOW ADDRESS

#### Data Element Summary

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

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

N4~FLUSHING~NY~11355-2426~~TX~8005

#### Data Element Summary

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



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

#### Data Element Summary

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

|                        |   |
|------------------------|---|
| <b>Segment:</b>        | <b>REF</b> <b>Reference Identification (Previous Utility Account Number)</b>  |
| <b>Position:</b>       | 120   |
| <b>Loop:</b>           | N1 Optional (Must Use)  |
| <b>Level:</b>          | Heading   |
| <b>Usage:</b>          | Optional  |
| <b>Max Use:</b>        | 1   |
| <b>Purpose:</b>        | To specify identifying information  |
| <b>Syntax Notes:</b>   | <ol style="list-style-type: none"> <li>1 At least one of REF02 or REF03 is required.</li> <li>2 If either C04003 or C04004 is present, then the other is required.</li> <li>3 If either C04005 or C04006 is present, then the other is required.</li> </ol> |
| <b>Semantic Notes:</b> | 1 REF04 contains data relating to the value cited in REF02.   |
| <b>Comments:</b>       |   |
| <b>Notes:</b>          | <p>Conditional</p> <p>Required when the utility assigned account number for the customer has changed in the last 90 days.</p> <p>REF~45~9194132485705971</p>  |

#### Data Element Summary

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

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

**Semantic Notes:**

**Comments:**

**Notes:**

Conditional

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

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

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

PTD~BO~~OZ~EL

**Data Element Summary**

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

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

#### Data Element Summary

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

|                        |  |
|------------------------|--|
| <b>Segment:</b>        | <b>REF</b> <b>Reference Identification (Rate Sub Class)</b>  |
| <b>Position:</b>       | 030  |
| <b>Loop:</b>           | PTD Optional (Dependent)   |
| <b>Level:</b>          | Detail   |
| <b>Usage:</b>          | Optional   |
| <b>Max Use:</b>        | 1  |
| <b>Purpose:</b>        | To specify identifying information   |
| <b>Syntax Notes:</b>   | <b>1</b> At least one of REF02 or REF03 is required.<br><b>2</b> If either C04003 or C04004 is present, then the other is required.<br><b>3</b> If either C04005 or C04006 is present, then the other is required. |
| <b>Semantic Notes:</b> | <b>1</b> REF04 contains data relating to the value cited in REF02.   |
| <b>Comments:</b>       |  |
| <b>Notes:</b>          | Conditional<br><br>This segment must be sent if a rate subclass is applicable to the service delivery points summarized in this PTD loop.<br>REF~PR~RSVD<br>REF~PR~NRSVD   |

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

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

#### Data Element Summary

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

|                        |  |
|------------------------|--|
| <b>Segment:</b>        | <b>QTY</b> Quantity  |
| <b>Position:</b>       | 110  |
| <b>Loop:</b>           | QTY Optional (Must Use)  |
| <b>Level:</b>          | Detail   |
| <b>Usage:</b>          | Optional (Must Use)  |
| <b>Max Use:</b>        | 1  |
| <b>Purpose:</b>        | To specify quantity information. A separate Quantity loop is used for each register or measurement type provided by the meter. |
| <b>Syntax Notes:</b>   | <p>1 At least one of QTY02 or QTY04 is required.</p> <p>2 Only one of QTY02 or QTY04 may be present.</p>                       |
| <b>Semantic Notes:</b> | 1 QTY04 is used when the quantity is non-numeric.  |
| <b>Comments:</b>       |  |
| <b>Notes:</b>          | <p>Required</p> <p>QTY~FL~2 Data is summarized for 2 meters</p>  |

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

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

#### Data Element Summary

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



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

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

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

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

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

**Semantic Notes:**

**Comments:**

**Notes:**

Required  
 DTM~150~20010315

**Data Element Summary**

|                 | <b>Ref.<br/>Des.</b> | <b>Data<br/>Element</b> | <b>Name</b>                | <b>Attributes</b> |
|-----------------|----------------------|-------------------------|----------------------------|-------------------|
| <b>Mand.</b>    | <b>DTM01</b>         | <b>374</b>              | <b>Date/Time Qualifier</b> | <b>M ID 3/3</b>   |
|                 |                      |                         | 150 Service Period Start   |                   |
| <b>Must Use</b> | <b>DTM02</b>         | <b>373</b>              | <b>Date</b>                | <b>X DT 8/8</b>   |

Start date of the period reported in the current QTY loop in the form CCYYMMDD.

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

**Semantic Notes:**

**Comments:**

**Notes:**

Required  
 DTM~151~20010415

**Data Element Summary**

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

**Segment:** **PTD Product Transfer and Resale Detail (Unmetered Usage)**

**Position:** 010

**Loop:** PTD Optional (Dependent)

**Level:** Detail

**Usage:** Optional (Dependent)

**Max Use:** 1

**Purpose:** To indicate the start of detail information relating to the transfer/resale of a product and provide identifying data

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

2 If either PTD04 or PTD05 is present, then the other is required.

**Semantic Notes:**

**Comments:**

**Notes:**

Conditional

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

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

PTD~BC~~~OZ~EL

**Data Element Summary**

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

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

#### Data Element Summary

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

|                        |   |
|------------------------|---|
| <b>Segment:</b>        | <b>REF</b> Reference Identification (Rate Sub Class)  |
| <b>Position:</b>       | 030   |
| <b>Loop:</b>           | PTD Optional (Dependent)  |
| <b>Level:</b>          | Detail  |
| <b>Usage:</b>          | Optional  |
| <b>Max Use:</b>        | 1   |
| <b>Purpose:</b>        | To specify identifying information  |
| <b>Syntax Notes:</b>   | <ol style="list-style-type: none"> <li>1 At least one of REF02 or REF03 is required.</li> <li>2 If either C04003 or C04004 is present, then the other is required.</li> <li>3 If either C04005 or C04006 is present, then the other is required.</li> </ol> |
| <b>Semantic Notes:</b> | 1 REF04 contains data relating to the value cited in REF02.   |
| <b>Comments:</b>       |   |
| <b>Notes:</b>          | <p>Conditional</p> <p>This segment must be sent if a rate subclass is applicable to the service delivery points summarized in this PTD loop.</p> <p>REF~PR~RSVD<br/>REF~PR~NRSVD</p>  |

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

**Segment:** **REF** Reference Identification (Load Profile)

**Position:** 030

**Loop:** PTD Optional (Dependent)

**Level:** Detail

**Usage:** Optional (Dependent)

**Max Use:** 1

**Purpose:** To specify identifying information

**Syntax Notes:**

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

**Semantic Notes:**

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

**Comments:**

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

#### Data Element Summary

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

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

#### Data Element Summary

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



|                        |  |
|------------------------|--|
| <b>Segment:</b>        | <b>MEA</b> Measurements  |
| <b>Position:</b>       | 160  |
| <b>Loop:</b>           | QTY Optional (Must Use)  |
| <b>Level:</b>          | Detail   |
| <b>Usage:</b>          | Optional (Must Use)  |
| <b>Max Use:</b>        | 1  |
| <b>Purpose:</b>        | To specify physical measurements or counts, including dimensions, tolerances, variances, and weights (See Figures Appendix for example of use of C001)   |
| <b>Syntax Notes:</b>   | <ol style="list-style-type: none"> <li>1 At least one of MEA03 MEA05 MEA06 or MEA08 is required.</li> <li>2 If MEA05 is present, then MEA04 is required.</li> <li>3 If MEA06 is present, then MEA04 is required.</li> <li>4 If MEA07 is present, then at least one of MEA03 MEA05 or MEA06 is required.</li> <li>5 Only one of MEA08 or MEA03 may be present.</li> </ol> |
| <b>Semantic Notes:</b> | 1 MEA04 defines the unit of measure for MEA03, MEA05, and MEA06.   |
| <b>Comments:</b>       | 1 When citing dimensional tolerances, any measurement requiring a sign (+ or -), or any measurement where a positive (+) value cannot be assumed, use MEA05 as the negative (-) value and MEA06 as the positive (+) value.   |
| <b>Notes:</b>          | Required<br>MEA~BR~PRQ~10101~KH Billed consumption is 10,101 kilowatt hours  |

#### Data Element Summary

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

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

**Semantic Notes:**

**Comments:**

**Notes:**

Required  
 DTM~150~20000315

**Data Element Summary**

|                 | <u>Ref.</u><br><u>Des.</u> | <u>Data</u><br><u>Element</u> | <u>Name</u>                | <u>Attributes</u> |
|-----------------|----------------------------|-------------------------------|----------------------------|-------------------|
| <b>Mand.</b>    | <b>DTM01</b>               | <b>374</b>                    | <b>Date/Time Qualifier</b> | <b>M ID 3/3</b>   |
|                 |                            |                               | 150 Service Period Start   |                   |
| <b>Must Use</b> | <b>DTM02</b>               | <b>373</b>                    | <b>Date</b>                | <b>X DT 8/8</b>   |

Start date of the period reported in the current QTY loop in the form CCYYMMDD.

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

**Semantic Notes:**

**Comments:**

**Notes:**

Required

DTM~151~20000415

**Data Element Summary**

|                 | <u>Ref.</u><br><u>Des.</u> | <u>Data</u><br><u>Element</u> | <u>Name</u>                | <u>Attributes</u> |
|-----------------|----------------------------|-------------------------------|----------------------------|-------------------|
| <b>Mand.</b>    | <b>DTM01</b>               | <b>374</b>                    | <b>Date/Time Qualifier</b> | <b>M ID 3/3</b>   |
|                 |                            |                               | 151 Service Period End     |                   |
| <b>Must Use</b> | <b>DTM02</b>               | <b>373</b>                    | <b>Date</b>                | <b>X DT 8/8</b>   |

End date of the period reported in the current QTY loop in the form CCYYMMDD.

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

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

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

PTD~BQ~~~OZ~EL

#### Data Element Summary

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

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

#### Data Element Summary

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

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

#### Data Element Summary

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

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

Conditional

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

REF~PR~RSVD  
 REF~PR~NRSVD

#### Data Element Summary

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

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

#### Data Element Summary

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



|                        |  |
|------------------------|--|
| <b>Segment:</b>        | <b>QTY</b> Quantity  |
| <b>Position:</b>       | 110  |
| <b>Loop:</b>           | QTY Optional (Must Use)  |
| <b>Level:</b>          | Detail   |
| <b>Usage:</b>          | Optional (Must Use)  |
| <b>Max Use:</b>        | 1  |
| <b>Purpose:</b>        | To specify quantity information. A separate Quantity loop is used for each register or measurement type provided by the meter. |
| <b>Syntax Notes:</b>   | <b>1</b> At least one of QTY02 or QTY04 is required.<br><b>2</b> Only one of QTY02 or QTY04 may be present.                    |
| <b>Semantic Notes:</b> | <b>1</b> QTY04 is used when the quantity is non-numeric.   |
| <b>Comments:</b>       |  |
| <b>Notes:</b>          | Required<br>QTY~FL~1 Data is associated with 1 service delivery point.   |

| Data Element Summary   |                            |                               |                    |                   |
|--|----------------------------|-------------------------------|--------------------|-------------------|
|  | <u>Ref.</u><br><u>Des.</u> | <u>Data</u><br><u>Element</u> | <u>Name</u>        | <u>Attributes</u> |
| Mand.  | QTY01                      | 673                           | Quantity Qualifier | M ID 2/2          |
|  |                            |                               | FL Units           |                   |
| Must Use   | QTY02                      | 380                           | Quantity           | X R 1/15          |
| Valid value for this element in this segment will always be 1. |                            |                               |                    |                   |

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

#### Data Element Summary

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

K7 Kilowatt  
 KH Kilowatt Hour  
 TD Therms  
 TZ Thousand Cubic Feet

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

|   |   |
|---|---|
| This element is required for electric service but not used for gas service. |   |
| 41  | Off Peak<br>At the utility's option, this code will be used to designate Small Time of Use Off Peak Energy. |
| 42  | On Peak<br>At the utility's option, this code will be used to designate Small Time of Day On Peak Energy.   |
| 43  | Intermediate<br>Intermediate Peak   |
| 45  | Per Gallon<br>Summer On Peak  |
| 49  | Mist<br>Winter On Peak  |
| 50  | Predominant<br>Winter Mid Peak  |
| 51  | Total<br>At the utility's option, this code will be used to designate Total Energy or Total Billed Demand.  |
| 57  | Boarded or Blocked Up<br>Summer Total   |
| 58  | Planned<br>Winter Total   |
| 73  | Low to High<br>Summer Off Peak  |
| 74  | Low to Medium<br>Summer Intermediate Peak   |
| 75  | Low to Moderate<br>Winter Off Peak  |
| 84  | Good to High<br>High Tension On Peak Energy   |
| 85  | High<br>High Tension Off Peak Energy  |
| 86  | Budgeted<br>Low Tension On Peak Energy  |
| 87  | Forecast<br>Low Tension Off Peak Energy   |
| 88  | Adjusted<br>Low Tension Total Energy  |
| 89  | Allocated<br>Low Tension Primary Demand   |
| 90  | Increasing<br>Low Tension Secondary Demand  |
| 91  | Stable<br>Low Tension Transmission Demand   |
| 92  | Declining<br>High Tension Total Energy  |
| 93  | Previous<br>High Tension Primary Demand   |
| 94  | Potential<br>High Tension Transmission Demand   |

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

**Semantic Notes:**

**Comments:**

**Notes:**

Required  
 DTM~150~20000315

**Data Element Summary**

|                 | <b>Ref.<br/>Des.</b> | <b>Data<br/>Element</b> | <b>Name</b>                | <b>Attributes</b> |
|-----------------|----------------------|-------------------------|----------------------------|-------------------|
| <b>Mand.</b>    | <b>DTM01</b>         | <b>374</b>              | <b>Date/Time Qualifier</b> | <b>M ID 3/3</b>   |
|                 |                      |                         | 150 Service Period Start   |                   |
| <b>Must Use</b> | <b>DTM02</b>         | <b>373</b>              | <b>Date</b>                | <b>X DT 8/8</b>   |

Start date of the period reported in the current QTY loop in the form CCYYMMDD.

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

**Semantic Notes:**

**Comments:**

**Notes:**

Required  
 DTM~151~20000415

**Data Element Summary**

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

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

**Semantic Notes:**

**Comments:**

**Notes:**

Conditional

The PTD\*BG loop is used to transmit certain non-recurring data associated with the development of a customer's gas profile including the factors used to determine the quantities and amounts transmitted in the PTD\*SM loop.

The PTD\*SM loop (following this loop when a gas profile is being sent) is used to transmit the month-by-month profile data.

PTD~BG~~~OZ~GAS

**Data Element Summary**

| <b>Mand.</b>    | <b>Ref.<br/>Des.</b> | <b>Data<br/>Element</b> | <b>Name</b>                               | <b>Attributes</b>   |
|-----------------|----------------------|-------------------------|---|---|
|                 | <b>PTD01</b>         | <b>521</b>              | <b>Product Transfer Type Code</b>         | <b>M ID 2/2</b>   |
|                 |                      |                         | BG  | Test and Evaluation   |
|                 |                      |                         |   | Gas Profile Factors   |
|                 |                      |                         |   | This PTD loop contains the factors used to determine the monthly forecast quantities in a gas profile and other non-recurring account attributes. |
| <b>Must Use</b> | <b>PTD04</b>         | <b>128</b>              | <b>Reference Identification Qualifier</b> | <b>X ID 2/3</b>   |
|                 |                      |                         | OZ  | Product Number  |
|                 |                      |                         |   | PTD05 contains the code for the commodity reported in this PTD loop.  |
| <b>Must Use</b> | <b>PTD05</b>         | <b>127</b>              | <b>Reference Identification</b>           | <b>X AN 1/30</b>  |
|                 |                      |                         | GAS                                       | Gas Service   |

**Segment:** **DTM** **Date/Time Reference (Profile Period Start Date)**  
**Position:** 020  
**Loop:** PTD Optional (Dependent)  
**Level:** Detail  
**Usage:** Optional (Must Use)  
**Max Use:** 1  
**Purpose:** To specify pertinent dates and times  
**Syntax Notes:** 1 At least one of DTM02 DTM03 or DTM05 is required.  
2 If DTM04 is present, then DTM03 is required.  
3 If either DTM05 or DTM06 is present, then the other is required.  
**Semantic Notes:**  
**Comments:**  
**Notes:** Required  
This segment is sent to provide the date a customer's gas profile was created.  
DTM~193~20010315

#### Data Element Summary

|                 | <u>Ref.</u><br><u>Des.</u> | <u>Data</u><br><u>Element</u> | <u>Name</u>                | <u>Attributes</u>                                      |
|-----------------|----------------------------|-------------------------------|----------------------------|--|
| <b>Mand.</b>    | <b>DTM01</b>               | <b>374</b>                    | <b>Date/Time Qualifier</b> | <b>M ID 3/3</b>  |
|                 |                            |                               | 193                        | Period Start   |
|                 |                            |                               |                            | Profile Period Start Date                              |
|                 |                            |                               |                            | This is the date a customer's gas profile was created. |
| <b>Must Use</b> | <b>DTM02</b>               | <b>373</b>                    | <b>Date</b>                | <b>X DT 8/8</b>  |
|                 |                            |                               |                            | Date profile was created in the form CCYYMMDD.         |

**Segment:** **DTM** **Date/Time Reference (Date Customer Initiated Service)**  
**Position:** 020  
**Loop:** PTD Optional (Dependent)  
**Level:** Detail  
**Usage:** Optional (Dependent)  
**Max Use:** 1  
**Purpose:** To specify pertinent dates and times  
**Syntax Notes:** 1 At least one of DTM02 DTM03 or DTM05 is required.  
2 If DTM04 is present, then DTM03 is required.  
3 If either DTM05 or DTM06 is present, then the other is required.  
**Semantic Notes:**  
**Comments:**  
**Notes:** Conditional

This segment may be sent by a utility that supports gas profiles to indicate the date the customer initiated service at the location for which a gas profile has been generated. If this date is unavailable, this segment will not be sent.  
DTM~629~20010315

#### Data Element Summary

|                 | <u>Ref.</u><br><u>Des.</u> | <u>Data</u><br><u>Element</u> | <u>Name</u>  | <u>Attributes</u> |
|-----------------|----------------------------|-------------------------------|--|-------------------|
| <b>Mand.</b>    | <b>DTM01</b>               | <b>374</b>                    | <b>Date/Time Qualifier</b>                                     | <b>M ID 3/3</b>   |
|                 |                            |                               | 629 Account Opened   |                   |
|                 |                            |                               | Date Customer Initiated Service                                |                   |
|                 |                            |                               | At the premise for which a gas profile has been created.       |                   |
| <b>Must Use</b> | <b>DTM02</b>               | <b>373</b>                    | <b>Date</b>  | <b>X DT 8/8</b>   |
|                 |                            |                               | Date on which customer initiated service in the form CCYYMMDD. |                   |



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

Although the profile is a forecast of gas consumption, this is the current rate class associated with the account for which a gas profile has been requested.  
 REF~NH~A001  
 REF~NH~1150100

#### Data Element Summary

|                 | <u>Ref.</u><br><u>Des.</u> | <u>Data</u><br><u>Element</u> | <u>Name</u>                               | <u>Attributes</u>  |
|-----------------|----------------------------|-------------------------------|---|--|
| <b>Mand.</b>    | <b>REF01</b>               | <b>128</b>                    | <b>Reference Identification Qualifier</b> | <b>M ID 2/3</b>  |
|                 |                            |                               | NH  | Rate Card Number   |
|                 |                            |                               |   | Utility Rate Service Class   |
|                 |                            |                               |   | REF02 contains the Utility specific rate code that references the service class and rates applicable to this service delivery point. |
| <b>Must Use</b> | <b>REF02</b>               | <b>127</b>                    | <b>Reference Identification</b>           | <b>X AN 1/30</b>   |
|                 |                            |                               | Utility Rate code                         |  |

|                        |  |
|------------------------|--|
| <b>Segment:</b>        | <b>REF</b> <b>Reference Identification (Rate Sub Class)</b>  |
| <b>Position:</b>       | 030  |
| <b>Loop:</b>           | PTD Optional (Dependent)   |
| <b>Level:</b>          | Detail   |
| <b>Usage:</b>          | Optional (Dependent)   |
| <b>Max Use:</b>        | 1  |
| <b>Purpose:</b>        | To specify identifying information   |
| <b>Syntax Notes:</b>   | <b>1</b> At least one of REF02 or REF03 is required.<br><b>2</b> If either C04003 or C04004 is present, then the other is required.<br><b>3</b> If either C04005 or C04006 is present, then the other is required. |
| <b>Semantic Notes:</b> | <b>1</b> REF04 contains data relating to the value cited in REF02.   |
| <b>Comments:</b>       |  |
| <b>Notes:</b>          | Conditional<br><br>This segment must be sent if a rate subclass is applicable to the service delivery points summarized in this PTD loop.<br>REF~PR~RSVD<br>REF~PR~NRSVD   |

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

|                        |   |
|------------------------|---|
| <b>Segment:</b>        | <b>QTY</b> Quantity (Base)  |
| <b>Position:</b>       | 110   |
| <b>Loop:</b>           | QTY Optional (Dependent)  |
| <b>Level:</b>          | Detail  |
| <b>Usage:</b>          | Optional (Dependent)  |
| <b>Max Use:</b>        | 1   |
| <b>Purpose:</b>        | To specify quantity information   |
| <b>Syntax Notes:</b>   | <b>1</b> At least one of QTY02 or QTY04 is required.<br><b>2</b> Only one of QTY02 or QTY04 may be present.   |
| <b>Semantic Notes:</b> | <b>1</b> QTY04 is used when the quantity is non-numeric.  |
| <b>Comments:</b>       |   |
| <b>Notes:</b>          | Conditional.<br>This segment may be sent by a utility that supports gas profiles to provide the customer's non-heating load factor.<br>QTY~1Y~12.24~TD<br>QTY~1Y~12.2357~TD |

#### Data Element Summary

|                 | <b>Ref.</b>        | <b>Data</b>           | <b>Name</b>   | <b>Attributes</b>      |
|-----------------|--------------------|-----------------------|---|------------------------|
| <b>Mand.</b>    | <b><u>Des.</u></b> | <b><u>Element</u></b> | <b><u>Quantity Qualifier</u></b>  | <b><u>M ID 2/2</u></b> |
|                 | <b>QTY01</b>       | <b>673</b>            | 1Y<br>Rate Per Day (RPD)<br>Base Quantity<br>This is the customer's non-heating load factor based on daily consumption. |                        |
| <b>Must Use</b> | <b>QTY02</b>       | <b>380</b>            | <b>Quantity</b>   | <b>X R 1/15</b>        |
|                 |                    |                       | The form of a numeric factor may be specified by the utility in its Utility Maintained EDI Guide.                       |                        |
| <b>Must Use</b> | <b>QTY03</b>       | <b>C001</b>           | <b>Composite Unit of Measure</b>  | <b>O</b>               |
|                 |                    |                       | Unit of Measurement   |                        |
| <b>Mand.</b>    | <b>C00101</b>      | <b>355</b>            | <b>Unit or Basis for Measurement Code</b>   | <b>M ID 2/2</b>        |
|                 |                    |                       | TD Therms   |                        |

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

This segment may be sent by a utility that supports gas profiles to provide the customer's weather normalized load factor.  
 QTY~FJ~.2303~TD Load factor is .2303 Therms per day

#### Data Element Summary

|          | Ref.<br>Des. | Data<br>Element | Name                               | Attributes  |
|----------|--------------|-----------------|------------------------------------|---|
| Mand.    | QTY01        | 673             | Quantity Qualifier                 | M ID 2/2  |
|          |              |                 | FJ                                 | Trunked Channels  |
|          |              |                 |                                    | Slope Quantity  |
|          |              |                 |                                    | This is the customer's weather normalized load factor based on average daily consumption. |
| Must Use | QTY02        | 380             | Quantity                           | X R 1/15  |
|          |              |                 |                                    | A numeric factor in the form <u>e.g., X.XX or x.xxxx.</u>                                 |
| Must Use | QTY03        | C001            | Composite Unit of Measure          | O   |
|          |              |                 | Unit of Measurement                |   |
| Mand.    | C00101       | 355             | Unit or Basis for Measurement Code | M ID 2/2  |
|          |              |                 | TD                                 | Therms  |

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

This segment may be sent by a utility that supports gas profiles to provide a load factor expressed as the ratio of non-heating to heating daily demand.

QTY~LP~3.03 The ratio is approximately 1:3 for this customer

#### Data Element Summary

|                 | <u>Ref.</u><br><u>Des.</u> | <u>Data</u><br><u>Element</u> | <u>Name</u>               | <u>Attributes</u>  |
|-----------------|----------------------------|-------------------------------|---------------------------|--|
| <b>Mand.</b>    | <b>QTY01</b>               | <b>673</b>                    | <b>Quantity Qualifier</b> | <b>M ID 2/2</b>  |
|                 |                            |                               | LP                        | Lease Periods  |
|                 |                            |                               |                           | Load Factor  |
|                 |                            |                               |                           | Expressed as the ratio of non-heating to heating daily demand. |
| <b>Must Use</b> | <b>QTY02</b>               | <b>380</b>                    | <b>Quantity</b>           | <b>X R 1/15</b>  |
|                 |                            |                               |                           | Factor expressed in the form x.xx.                             |

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

This segment may be sent by a utility that supports gas profiles to provide the factor used for lost and unaccounted for gas in generating a gas profile for this customer.  
 QTY~LH~3.3~TD A UFG factor of 3.3% was used for this profile.

#### Data Element Summary

|          | Ref.<br>Des. | Data<br>Element | Name                               | Attributes  |
|----------|--------------|-----------------|------------------------------------|---|
| Mand.    | QTY01        | 673             | Quantity Qualifier                 | M ID 2/2  |
|          |              |                 | LH                                 | Lost Gas  |
|          |              |                 |                                    | UFG Rate  |
|          |              |                 |                                    | Factor used to estimate lost and unaccounted for gas.                 |
| Must Use | QTY02        | 380             | Quantity                           | X R 1/15  |
|          |              |                 |                                    | Show whole percents with decimal points: 2.1 = 2.1%, .500 = .5%, etc. |
| Must Use | QTY03        | C001            | Composite Unit of Measure          | O   |
|          |              |                 | Unit of Measurement                |   |
| Mand.    | C00101       | 355             | Unit or Basis for Measurement Code | M ID 2/2  |
|          |              |                 | TD                                 | Therms  |

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

This segment may be sent by a utility that supports gas profiles to provide the forecast Maximum Monthly Delivery Quantity for the profile period for the account requested.  
 QTY~CG~2131~TD

#### Data Element Summary

|          | Ref.<br>Des. | Data<br>Element | Name                               | Attributes                                 |
|----------|--------------|-----------------|------------------------------------|--|
| Mand.    | QTY01        | 673             | Quantity Qualifier                 | M ID 2/2                                   |
|          |              |                 | CG                                 | Cumulative Gas Volume                      |
|          |              |                 |                                    | Maximum Delivery Quantity                  |
|          |              |                 |                                    | For the period covered by the gas profile. |
| Must Use | QTY02        | 380             | Quantity                           | X R 1/15                                   |
| Must Use | QTY03        | C001            | Composite Unit of Measure          | O  |
|          |              |                 | Unit of Measurement                |  |
| Mand.    | C00101       | 355             | Unit or Basis for Measurement Code | M ID 2/2                                   |
|          |              |                 | TD                                 | Therms                                     |

**Segment:** **PTD** **Product Transfer and Resale Detail (Gas Profile Data)**

**Position:** 010

**Loop:** PTD Optional (Dependent)

**Level:** Detail

**Usage:** Optional (Dependent)

**Max Use:** 1

**Purpose:** To indicate the start of detail information relating to the transfer/resale of a product and provide identifying data

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

2 If either PTD04 or PTD05 is present, then the other is required.

**Semantic Notes:**

**Comments:**

**Notes:**

Conditional

The PTD\*SM loop is used to transmit gas profile data and must be sent with the PTD\*BG loop containing the gas profile factors. A separate PTD loop is required for each period being reported. A DTM segment is sent in each PTD loop to identify the report period, either a month or an annual period, associated with the data sent in the QTY loop. Utilities that support gas profiles will send 12 PTD\*SM loops - one for each report month in the gas.

PTD~SM~~~OZ~GAS

**Data Element Summary**

|                 | <u>Ref.</u><br><u>Des.</u> | <u>Data</u><br><u>Element</u> | <u>Name</u>                               | <u>Attributes</u>  |
|-----------------|----------------------------|-------------------------------|---|--|
| <b>Mand.</b>    | <b>PTD01</b>               | <b>521</b>                    | <b>Product Transfer Type Code</b>         | <b>M ID 2/2</b>  |
|                 |                            |                               | SM  | Sample   |
|                 |                            |                               |   | Gas Profile Data   |
|                 |                            |                               |   | This PTD loop contains forecast monthly, and annual, gas consumption data for this customer. |
| <b>Must Use</b> | <b>PTD04</b>               | <b>128</b>                    | <b>Reference Identification Qualifier</b> | <b>X ID 2/3</b>  |
|                 |                            |                               | OZ  | Product Number   |
| <b>Must Use</b> | <b>PTD05</b>               | <b>127</b>                    | <b>Reference Identification</b>           | <b>X AN 1/30</b>   |
|                 |                            |                               | GAS                                       | Gas Service  |



|                        |   |
|------------------------|---|
| <b>Segment:</b>        | <b>DTM</b> <b>Date/Time Reference (Report Month)</b>  |
| <b>Position:</b>       | 020   |
| <b>Loop:</b>           | PTD Optional (Dependent)  |
| <b>Level:</b>          | Detail  |
| <b>Usage:</b>          | Optional (Dependent)  |
| <b>Max Use:</b>        | 1   |
| <b>Purpose:</b>        | To specify pertinent dates and times  |
| <b>Syntax Notes:</b>   | <b>1</b> At least one of DTM02 DTM03 or DTM05 is required.<br><b>2</b> If DTM04 is present, then DTM03 is required.<br><b>3</b> If either DTM05 or DTM06 is present, then the other is required.  |
| <b>Semantic Notes:</b> |   |
| <b>Comments:</b>       |   |
| <b>Notes:</b>          | Conditional<br><br>Each PTD*SM loop must include a DTM*582 segment (either Report Month or Annual Period) to indicate the time period associated with the gas profile data sent in the QTY segment.<br>DTM~582~~~~MM~01 Report period is January<br>DTM~582~~~~MM~10 Report period is October |

| Data Element Summary |                            |                               |   |                   |
|----------------------|----------------------------|-------------------------------|---|-------------------|
|                      | <u>Ref.</u><br><u>Des.</u> | <u>Data</u><br><u>Element</u> | <u>Name</u>   | <u>Attributes</u> |
| <b>Mand.</b>         | <b>DTM01</b>               | <b>374</b>                    | <b>Date/Time Qualifier</b>  | <b>M ID 3/3</b>   |
|                      |                            |                               | 582 Report Period   |                   |
|                      |                            |                               | Reporting month associated with the gas profile data.   |                   |
| <b>Must Use</b>      | <b>DTM05</b>               | <b>1250</b>                   | <b>Date Time Period Format Qualifier</b>  | <b>X ID 2/3</b>   |
|                      |                            |                               | MM Month of Year in Numeric Format  |                   |
| <b>Must Use</b>      | <b>DTM06</b>               | <b>1251</b>                   | <b>Date Time Period</b>   | <b>X AN 1/35</b>  |
|                      |                            |                               | The month for which QTY Loop values apply in the form MM i.e. 01 = January, 02 = February, etc. |                   |

**Segment: QTY Quantity (Projected Monthly Usage)**

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

This segment may be sent by a utility that supports gas profiles to report the projected monthly weather normalized usage (including line losses).  
 QTY~AY~5075~TD

**Data Element Summary**

|                 | <u>Ref.</u><br><u>Des.</u> | <u>Data</u><br><u>Element</u> | <u>Name</u>                               | <u>Attributes</u>   |
|-----------------|----------------------------|-------------------------------|---|---|
| <b>Mand.</b>    | <b>QTY01</b>               | <b>673</b>                    | <b>Quantity Qualifier</b>                 | <b>M ID 2/2</b>   |
|                 |                            |                               | AY  | Forecast  |
|                 |                            |                               |   | Projected Monthly Usage<br>QTY02 contains a projected monthly weather<br>normalized usage which includes line losses. |
| <b>Must Use</b> | <b>QTY02</b>               | <b>380</b>                    | <b>Quantity</b>                           | <b>X R 1/15</b>   |
| <b>Must Use</b> | <b>QTY03</b>               | <b>C001</b>                   | <b>Composite Unit of Measure</b>          | <b>O</b>  |
|                 |                            |                               | Unit of Measurement                       |   |
| <b>Mand.</b>    | <b>C00101</b>              | <b>355</b>                    | <b>Unit or Basis for Measurement Code</b> | <b>M ID 2/2</b>   |
|                 |                            |                               | TD  | Therms  |

**Segment:** **QTY** Quantity (Projected Monthly Delivery Quantity)

**Position:** 110

**Loop:** QTY Optional (Dependent)

**Level:** Detail

**Usage:** Optional (Dependent)

**Max Use:** 1

**Purpose:** To specify quantity information

**Syntax Notes:**

- 1 At least one of QTY02 or QTY04 is required.
- 2 Only one of QTY02 or QTY04 may be present.

**Semantic Notes:**

- 1 QTY04 is used when the quantity is non-numeric.

**Comments:**

**Notes:** Conditional

This segment may be sent by a utility to report the projected weather normalized monthly delivery quantity for the report month.  
QTY~70~131~TD

#### Data Element Summary

|                 | <u>Ref.</u><br><u>Des.</u> | <u>Data</u><br><u>Element</u> | <u>Name</u>                               | <u>Attributes</u>  |
|-----------------|----------------------------|-------------------------------|---|--|
| <b>Mand.</b>    | <b>QTY01</b>               | <b>673</b>                    | <b>Quantity Qualifier</b>                 | <b>M ID 2/2</b>  |
|                 |                            |                               | 70  | Maximum Order Quantity   |
|                 |                            |                               |   | Projected Monthly Delivery Quantity  |
|                 |                            |                               |   | A projected weather normalized delivery quantity for the report month indicated. |
| <b>Must Use</b> | <b>QTY02</b>               | <b>380</b>                    | <b>Quantity</b>                           | <b>X R 1/15</b>  |
| <b>Must Use</b> | <b>QTY03</b>               | <b>C001</b>                   | <b>Composite Unit of Measure</b>          | <b>O</b>   |
|                 |                            |                               | Unit of Measurement                       |  |
| <b>Mand.</b>    | <b>C00101</b>              | <b>355</b>                    | <b>Unit or Basis for Measurement Code</b> | <b>M ID 2/2</b>  |
|                 |                            |                               | TD  | Therms   |

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

This segment may be sent by a utility to report the forecasted weather normalized daily delivery quantity (including line losses) for the account requested for the report month indicated.  
 QTY~WD~123~TD

#### Data Element Summary

|                 | <u>Ref.</u><br><u>Des.</u> | <u>Data</u><br><u>Element</u> | <u>Name</u>                               | <u>Attributes</u>  |
|-----------------|----------------------------|-------------------------------|---|--|
| <b>Mand.</b>    | <b>QTY01</b>               | <b>673</b>                    | <b>Quantity Qualifier</b>                 | <b>M ID 2/2</b>  |
|                 |                            |                               | WD  | Units Worked per Day   |
|                 |                            |                               |   | Projected Daily Delivery Quantity  |
|                 |                            |                               |   | Forecast quantity for the report month indicated based on weather normalization and including line losses. |
| <b>Must Use</b> | <b>QTY02</b>               | <b>380</b>                    | <b>Quantity</b>                           | <b>X R 1/15</b>  |
| <b>Must Use</b> | <b>QTY03</b>               | <b>C001</b>                   | <b>Composite Unit of Measure</b>          | <b>O</b>   |
|                 |                            |                               | Unit of Measurement                       |  |
| <b>Mand.</b>    | <b>C00101</b>              | <b>355</b>                    | <b>Unit or Basis for Measurement Code</b> | <b>M ID 2/2</b>  |
|                 |                            |                               | TD  | Therms   |

**Segment:** **QTY** Quantity (Projected Balancing Use)

**Position:** 110

**Loop:** QTY Optional (Dependent)

**Level:** Detail

**Usage:** Optional (Dependent)

**Max Use:** 1

**Purpose:** To specify quantity information

**Syntax Notes:**

- 1 At least one of QTY02 or QTY04 is required.
- 2 Only one of QTY02 or QTY04 may be present.

**Semantic Notes:**

- 1 QTY04 is used when the quantity is non-numeric.

**Comments:**

**Notes:**

Conditional

A utility may send this segment to report the difference between the average daily usage for an historical monthly billing period (weather normalized) and the average daily summer usage.

QTY~BA~123~TD

#### Data Element Summary

|                 | <u>Ref.</u><br><u>Des.</u> | <u>Data</u><br><u>Element</u> | <u>Name</u>                               | <u>Attributes</u>  |
|-----------------|----------------------------|-------------------------------|---|--|
| <b>Mand.</b>    | <b>QTY01</b>               | <b>673</b>                    | <b>Quantity Qualifier</b>                 | <b>M ID 2/2</b>  |
|                 |                            |                               | BA  | Due-In   |
|                 |                            |                               |   | Projected Balancing Use  |
|                 |                            |                               |   | The difference between the average daily usage for the historical monthly billing period (weather normalized) and the average daily summer usage for the report month indicated. |
| <b>Must Use</b> | <b>QTY02</b>               | <b>380</b>                    | <b>Quantity</b>                           | <b>X R 1/15</b>  |
| <b>Must Use</b> | <b>QTY03</b>               | <b>C001</b>                   | <b>Composite Unit of Measure</b>          | <b>O</b>   |
|                 |                            |                               | Unit of Measurement                       |  |
| <b>Mand.</b>    | <b>C00101</b>              | <b>355</b>                    | <b>Unit or Basis for Measurement Code</b> | <b>M ID 2/2</b>  |
|                 |                            |                               | TD  | Therms   |

**Segment:** **AMT** Monetary Amount (Projected Swing Charges)  
**Position:** 140  
**Loop:** QTY Optional (Dependent)  
**Level:** Detail  
**Usage:** Optional (Dependent)  
**Max Use:** 1  
**Purpose:** To indicate the total monetary amount  
**Syntax Notes:**  
**Semantic Notes:**  
**Comments:**  
**Notes:**

Conditional

A utility may send this segment to report the forecasted charges for balancing services for the report month indicated.  
 AMT~SW~100.00

#### Data Element Summary

|              | <u>Ref.</u><br><u>Des.</u> | <u>Data</u><br><u>Element</u> | <u>Name</u>                  | <u>Attributes</u>   |
|--------------|----------------------------|-------------------------------|------------------------------|---|
| <b>Mand.</b> | <b>AMT01</b>               | <b>522</b>                    | <b>Amount Qualifier Code</b> | <b>M ID 1/3</b>   |
|              |                            |                               | SW                           | Base Award Fee  |
|              |                            |                               |                              | Projected Swing Charges   |
|              |                            |                               |                              | Forecast charges for balancing services for the report month indicated. |
| <b>Mand.</b> | <b>AMT02</b>               | <b>782</b>                    | <b>Monetary Amount</b>       | <b>M R 1/18</b>   |

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

**Semantic Notes:**

**Comments:**

**Notes:**

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

**Data Element Summary**

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

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

#### Data Element Summary

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



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

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

#### Data Element Summary

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

|                        |  |
|------------------------|--|
| <b>Segment:</b>        | <b>REF</b> Reference Identification (Utility Tax Exempt Status)  |
| <b>Position:</b>       | 030  |
| <b>Loop:</b>           | PTD Optional (Dependent)   |
| <b>Level:</b>          | Detail   |
| <b>Usage:</b>          | Optional (Dependent)   |
| <b>Max Use:</b>        | 20   |
| <b>Purpose:</b>        | To specify identifying information   |
| <b>Syntax Notes:</b>   | <ol style="list-style-type: none"> <li>1 At least one of REF02 or REF03 is required.</li> <li>2 If either C04003 or C04004 is present, then the other is required.</li> <li>3 If either C04005 or C04006 is present, then the other is required.</li> </ol>  |
| <b>Semantic Notes:</b> | 1 REF04 contains data relating to the value cited in REF02.  |
| <b>Comments:</b>       |  |
| <b>Notes:</b>          | <p>Required</p> <p>The Utility Tax Exempt Status signifies the existence of exemptions and/or certifications, if any, held by the utility, that are used to bill the customer for utility services. The indicator is informational only; the utility's exemption is not transferable to the ESCO to bill the customer for ESCO services. The ESCO should not rely upon the utility's information for billing purposes and should contact the customer to obtain necessary information consistent with the requirements of the New York State Department of Taxation &amp; Finance and any applicable laws.</p> <p>REF~TX~Y</p> |

#### Data Element Summary

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

|                        |   |
|------------------------|---|
| <b>Segment:</b>        | <b>REF</b> Reference Identification (Account Settlement Indicator)  |
| <b>Position:</b>       | 030   |
| <b>Loop:</b>           | PTD Optional (Dependent)  |
| <b>Level:</b>          | Detail  |
| <b>Usage:</b>          | Optional (Dependent)  |
| <b>Max Use:</b>        | 20  |
| <b>Purpose:</b>        | To specify identifying information  |
| <b>Syntax Notes:</b>   | <ol style="list-style-type: none"> <li>1 At least one of REF02 or REF03 is required.</li> <li>2 If either C04003 or C04004 is present, then the other is required.</li> <li>3 If either C04005 or C04006 is present, then the other is required.</li> </ol> |
| <b>Semantic Notes:</b> | 1 REF04 contains data relating to the value cited in REF02.   |
| <b>Comments:</b>       |   |
| <b>Notes:</b>          | Conditional<br>Required for Electric only<br>This indicator reflects how the usage is settled with NYISO, not necessarily how the usage is metered.<br>REF~TDT~H  |

#### Data Element Summary

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

|                        |   |
|------------------------|---|
| <b>Segment:</b>        | <b>REF</b> Reference Identification (NYPA Discount Indicator)   |
| <b>Position:</b>       | 030   |
| <b>Loop:</b>           | PTD Optional (Dependent)  |
| <b>Level:</b>          | Detail  |
| <b>Usage:</b>          | Optional (Dependent)  |
| <b>Max Use:</b>        | 20  |
| <b>Purpose:</b>        | To specify identifying information  |
| <b>Syntax Notes:</b>   | <ol style="list-style-type: none"> <li>1 At least one of REF02 or REF03 is required.</li> <li>2 If either C04003 or C04004 is present, then the other is required.</li> <li>3 If either C04005 or C04006 is present, then the other is required.</li> </ol> |
| <b>Semantic Notes:</b> | 1 REF04 contains data relating to the value cited in REF02.   |
| <b>Comments:</b>       |   |
| <b>Notes:</b>          | Conditional<br>Required for Electric accounts, if available in the utility's system.<br>REF~YP~N  |

#### Data Element Summary

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

|                        |   |
|------------------------|---|
| <b>Segment:</b>        | <b>REF</b> Reference Identification (Utility Discount Indicator)  |
| <b>Position:</b>       | 030   |
| <b>Loop:</b>           | PTD Optional (Dependent)  |
| <b>Level:</b>          | Detail  |
| <b>Usage:</b>          | Optional (Must Use)   |
| <b>Max Use:</b>        | 20  |
| <b>Purpose:</b>        | To specify identifying information  |
| <b>Syntax Notes:</b>   | <ol style="list-style-type: none"> <li>1 At least one of REF02 or REF03 is required.</li> <li>2 If either C04003 or C04004 is present, then the other is required.</li> <li>3 If either C04005 or C04006 is present, then the other is required.</li> </ol>   |
| <b>Semantic Notes:</b> | 1 REF04 contains data relating to the value cited in REF02.   |
| <b>Comments:</b>       |   |
| <b>Notes:</b>          | <p>Conditional</p> <p>Required for non-residential accounts where the customer receives a commodity discount from the utility or a delivery discount that is dependent upon purchase of commodity from the utility. Further, the indicator should be set to "N" in cases where all non-residential customers in a rate class or service receive the same discount or when the delivery discount is portable, i.e. it applies whether the customer purchases commodity from the ESCO or the utility.</p> <p>REF~SG~Y</p> |

#### Data Element Summary

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

**Segment:** **QTY** Quantity (ICAP)  
**Position:** 110  
**Loop:** QTY Optional (Dependent)  
**Level:** Detail  
**Usage:** Optional (Dependent)  
**Max Use:** 1  
**Purpose:** To specify quantity information  
**Syntax Notes:** 1 At least one of QTY02 or QTY04 is required.  
 2 Only one of QTY02 or QTY04 may be present.  
**Semantic Notes:** 1 QTY04 is used when the quantity is non-numeric.  
**Comments:**  
**Notes:** Required for Electric accounts, if available  
 QTY~KZ~476~K1

#### Data Element Summary

|                        | Ref.<br>Des. | Data<br>Element | Name                               | Attributes  |
|------------------------|--------------|-----------------|------------------------------------|---|
| <del>Cond. Mand.</del> | QTY01        | 673             | Quantity Qualifier                 | M ID 2/2  |
|                        |              |                 | KZ                                 | Corrective Action Requests-Written<br>ICAP Tag  |
| Must Use               | QTY02        | 380             | Quantity                           | X R 1/15  |
|                        |              |                 | ICAP Tag                           |   |
|                        | QTY03        | C001            | Composite Unit of Measure          | O   |
| Mand.                  | C00101       | 355             | Unit or Basis for Measurement Code | M ID 2/2  |
|                        |              |                 | K1                                 | Kilowatt Demand   |
|                        |              |                 | AJ                                 | Adjusted Kilowatt Demand  |
|                        |              |                 |                                    | There is a Special Program Adjustment Indicator related to the ICAP Tag. For example, a NYPA adjustment has been applied. |

**Segment:** **DTM** **Date/Time Reference (ICAP Effective Dates)**

**Position:** 210

**Loop:** QTY Optional

**Level:** Detail

**Usage:** Optional

**Max Use:** 10

**Purpose:** To specify pertinent dates and times

**Syntax Notes:** 1 At least one of DTM02 DTM03 or DTM05 is required.

2 If DTM04 is present, then DTM03 is required.

3 If either DTM05 or DTM06 is present, then the other is required.

**Semantic Notes:**

**Comments:**

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

**Data Element Summary**

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

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

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

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

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

QTY~9N~0  
 REF~MG~UNMETERED

#### Data Element Summary

| Mand.    | Ref.<br>Des. | Data<br>Element | Name               | Attributes |        |
|----------|--------------|-----------------|--------------------|------------|--------|
|          |              |                 |                    | M          | ID 2/2 |
| Mand.    | QTY01        | 673             | Quantity Qualifier |            |        |
|          |              |                 |                    |            |        |
|          |              |                 |                    |            |        |
| Must Use | QTY02        | 380             | Quantity           |            |        |
|          |              |                 |                    |            |        |
|          |              |                 |                    |            |        |



|                        |   |
|------------------------|---|
| <b>Segment:</b>        | <b>REF</b> Reference Identification (Meter Number)  |
| <b>Position:</b>       | 190   |
| <b>Loop:</b>           | QTY Optional (Dependent)  |
| <b>Level:</b>          | Detail  |
| <b>Usage:</b>          | Optional (Dependent)  |
| <b>Max Use:</b>        | >1  |
| <b>Purpose:</b>        | To specify identifying information  |
| <b>Syntax Notes:</b>   | <ol style="list-style-type: none"> <li>1 At least one of REF02 or REF03 is required.</li> <li>2 If either C04003 or C04004 is present, then the other is required.</li> <li>3 If either C04005 or C04006 is present, then the other is required.</li> </ol>   |
| <b>Semantic Notes:</b> | 1 REF04 contains data relating to the value cited in REF02.   |
| <b>Comments:</b>       |   |
| <b>Notes:</b>          | <p>Required - One REF segment will be sent for each Meter Number on the account and/or one REF segment would be sent if there are unmetered services on the account.</p> <p>The REF*MG is not required when consumption is reported on an account basis or when a gas profile is provided.</p> <p>For example:<br/>           QTY~9N~3<br/>           REF~MG~13259131<br/>           REF~MG~59381932<br/>           REF~MG~10393823<br/>           REF~MG~UNMETERED</p> <p>QTY~9N~0<br/>           REF~MG~UNMETERED</p> |

#### Data Element Summary

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

|                        |  |
|------------------------|--|
| <b>Segment:</b>        | <b>SE</b> Transaction Set Trailer  |
| <b>Position:</b>       | 030  |
| <b>Loop:</b>           |  |
| <b>Level:</b>          | Summary  |
| <b>Usage:</b>          | Mandatory  |
| <b>Max Use:</b>        | 1  |
| <b>Purpose:</b>        | To indicate the end of the transaction set and provide the count of the transmitted segments (including the beginning (ST) and ending (SE) segments) |
| <b>Syntax Notes:</b>   |  |
| <b>Semantic Notes:</b> |  |
| <b>Comments:</b>       | 1 SE is the last segment of each transaction set.  |
| <b>Notes:</b>          | Required<br>SE~99~0001   |

#### Data Element Summary

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

## EXAMPLES

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

### *Response to Request for Historical Usage for Gas (NGRID-NY)*

|  |  |
|--|--|
| ST*867*0003/                             | Transaction Set header; transaction defined is an 867; control number assigned by originator   |
| BPT*52*2014091030326001*20140910*DD/     | Transaction is a Response to Historical Inquiry; Unique id number for this transaction; transaction creation date; Report type is Historic Usage |
| N1*SJ*AMERADA HESS*24*110584613/         | ESCO Name and Tax ID number  |
| N1*8S*NGRID NY DOWNSTATE-NY*1*178077227/ | Utility Name and DUNS number   |
| N1*8R*FLATBUSH SQUARE B&B/               | Customer Name  |
| REF*12*2051354580/                       | Utility assigned account number for the customer   |
| PTD*BG***OZ*GAS                          | PTD loop contains Gas Profile Factors; service is Gas  |
| DTM*193*20140801                         | Date gas profile factors were calculated for this account  |
| DTM*629*20140131                         | Date customer initiated service at the address associated with this account  |
| REF*NH*T1B                               | Utility Rate Service Class   |
| QTY*1Y*1.43*TD                           | Customer's non-heating load factor; unit is TD   |
| QTY*FJ*.2229*TD                          | Customer's weather normalized load factor; unit is TD  |
| QTY*LP*.27*TD                            | Ratio of non-heating to heating daily demand; unit is TD   |
| QTY*LH*1.53*TD                           | Factor for lost & unaccounted for gas used in calculating the gas profile; unit is TD  |
| PTD*BQ***OZ*GAS                          | This PTD loop pertains to Metered Consumption Detail; Service is Gas   |
| REF*MG*000114739                         | Meter Number   |
| REF*NH*T1B                               | Utility Rate Class   |
| QTY*FL*1                                 | Historic usage in this QTY loop is from one service delivery point   |
| MEA*AN*PRQ*39*TD                         | Consumption reported is actual; quantity measured is 39; unit is TD  |
| DTM*150*20140527                         | Measurement period start date for this QTY loop  |
| DTM*151*20140624                         | Measurement period end date for this QTY loop  |
| QTY*FL*1                                 | Historic usage in this QTY loop is from one service delivery point   |
| MEA*AN*PRQ*58*TD                         | Consumption reported is actual; quantity measured is 58; unit is TD  |
| DTM*150*20140430                         | Measurement period start date for this QTY loop  |
| DTM*151*20140527                         | Measurement period end date for this QTY loop  |

***Response to Request for Historical Usage for Gas (NGRID-NY) - Continued***

|                   |  |
|-------------------|--|
| QTY*FL*1          | Historic usage in this QTY loop is from one service delivery point     |
| MEA*EN*PRQ*23*TD  | Consumption reported is estimated; quantity measured is 23; unit is TD |
| DTM*150*20140424  | Measurement period start date for this QTY loop                        |
| DTM*151*20140430  | Measurement period end date for this QTY loop                          |
| QTY*FL*1          | Historic usage in this QTY loop is from one service delivery point     |
| MEA*AN*PRQ*159*TD | Consumption reported is actual; quantity measured is 159; unit is TD   |
| DTM*150*20140325  | Measurement period start date for this QTY loop                        |
| DTM*151*20140424  | Measurement period end date for this QTY loop                          |
| QTY*FL*1          | Historic usage in this QTY loop is from one service delivery point     |
| MEA*AN*PRQ*245*TD | Consumption reported is actual; quantity measured is 245; unit is TD   |
| DTM*150*20140224  | Measurement period start date for this QTY loop                        |
| DTM*151*20140325  | Measurement period end date for this QTY loop                          |
| QTY*FL*1          | Historic usage in this QTY loop is from one service delivery point     |
| MEA*AN*PRQ*230*TD | Consumption reported is actual; quantity measured is 230; unit is TD   |
| DTM*150*20140131  | Measurement period start date for this QTY loop                        |
| DTM*151*20140224  | Measurement period end date for this QTY loop                          |
| QTY*FL*1          | Historic usage in this QTY loop is from one service delivery point     |
| MEA*EN*PRQ*66*TD  | Consumption reported is estimated; quantity measured is 66; unit is TD |
| DTM*150*20140124  | Measurement period start date for this QTY loop                        |
| DTM*151*20140131  | Measurement period end date for this QTY loop                          |
| QTY*FL*1          | Historic usage in this QTY loop is from one service delivery point     |
| MEA*AN*PRQ*308*TD | Consumption reported is actual; quantity measured is 308; unit is TD   |
| DTM*150*20131223  | Measurement period start date for this QTY loop                        |
| DTM*151*20140124  | Measurement period end date for this QTY loop                          |
| QTY*FL*1          | Historic usage in this QTY loop is from one service delivery point     |
| MEA*AN*PRQ*218*TD | Consumption reported is actual; quantity measured is 218; unit is TD   |
| DTM*150*20131121  | Measurement period start date for this QTY loop                        |
| DTM*151*20131223  | Measurement period end date for this QTY loop                          |

***Response to Request for Historical Usage for Gas (NGRID-NY) - Continued***

|                   |  |
|-------------------|--|
| QTY*FL*1          | Historic usage in this QTY loop is from one service delivery point   |
| MEA*AN*PRQ*137*TD | Consumption reported is actual; quantity measured is 137; unit is TD |
| DTM*150*20131024  | Measurement period start date for this QTY loop                      |
| DTM*151*20131121  | Measurement period end date for this QTY loop                        |
| QTY*FL*1          | Historic usage in this QTY loop is from one service delivery point   |
| MEA*AN*PRQ*63*TD  | Consumption reported is actual; quantity measured is 63; unit is TD  |
| DTM*150*20130924  | Measurement period start date for this QTY loop                      |
| DTM*151*20131024  | Measurement period end date for this QTY loop                        |
| QTY*FL*1          | Historic usage in this QTY loop is from one service delivery point   |
| MEA*AN*PRQ*46*TD  | Consumption reported is actual; quantity measured is 46; unit is TD  |
| DTM*150*20130826  | Measurement period start date for this QTY loop                      |
| DTM*151*20130924  | Measurement period end date for this QTY loop                        |
| QTY*FL*1          | Historic usage in this QTY loop is from one service delivery point   |
| MEA*AN*PRQ*43*TD  | Consumption reported is actual; quantity measured is 43; unit is TD  |
| DTM*150*20130725  | Measurement period start date for this QTY loop                      |
| DTM*151*20130826  | Measurement period end date for this QTY loop                        |
| QTY*FL*1          | Historic usage in this QTY loop is from one service delivery point   |
| MEA*AN*PRQ*39*TD  | Consumption reported is actual; quantity measured is 39; unit is TD  |
| DTM*150*20130624  | Measurement period start date for this QTY loop                      |
| DTM*151*20130725  | Measurement period end date for this QTY loop                        |
| QTY*FL*1          | Historic usage in this QTY loop is from one service delivery point   |
| MEA*AN*PRQ*52*TD  | Consumption reported is actual; quantity measured is 52; unit is TD  |
| DTM*150*20130524  | Measurement period start date for this QTY loop                      |
| DTM*151*20130624  | Measurement period end date for this QTY loop                        |
| QTY*FL*1          | Historic usage in this QTY loop is from one service delivery point   |
| MEA*AN*PRQ*72*TD  | Consumption reported is actual; quantity measured is 72; unit is TD  |
| DTM*150*20130424  | Measurement period start date for this QTY loop                      |
| DTM*151*20130524  | Measurement period end date for this QTY loop                        |

***Response to Request for Historical Usage for Gas (NGRID-NY) - Continued***

|                   |  |
|-------------------|--|
| QTY*FL*1          | Historic usage in this QTY loop is from one service delivery point   |
| MEA*AN*PRQ*152*TD | Consumption reported is actual; quantity measured is 152; unit is TD |
| DTM*150*20130322  | Measurement period start date for this QTY loop                      |
| DTM*151*20130424  | Measurement period end date for this QTY loop                        |
| QTY*FL*1          | Historic usage in this QTY loop is from one service delivery point   |
| MEA*AN*PRQ*175*TD | Consumption reported is actual; quantity measured is 175; unit is TD |
| DTM*150*20130222  | Measurement period start date for this QTY loop                      |
| DTM*151*20130322  | Measurement period end date for this QTY loop                        |
| QTY*FL*1          | Historic usage in this QTY loop is from one service delivery point   |
| MEA*AN*PRQ*271*TD | Consumption reported is actual; quantity measured is 271; unit is TD |
| DTM*150*20130124  | Measurement period start date for this QTY loop                      |
| DTM*151*20130222  | Measurement period end date for this QTY loop                        |
| QTY*FL*1          | Historic usage in this QTY loop is from one service delivery point   |
| MEA*AN*PRQ*238*TD | Consumption reported is actual; quantity measured is 238; unit is TD |
| DTM*150*20121221  | Measurement period start date for this QTY loop                      |
| DTM*151*20130124  | Measurement period end date for this QTY loop                        |
| QTY*FL*1          | Historic usage in this QTY loop is from one service delivery point   |
| MEA*AN*PRQ*151*TD | Consumption reported is actual; quantity measured is 151; unit is TD |
| DTM*150*20121121  | Measurement period start date for this QTY loop                      |
| DTM*151*20121221  | Measurement period end date for this QTY loop                        |
| QTY*FL*1          | Historic usage in this QTY loop is from one service delivery point   |
| MEA*AN*PRQ*67*TD  | Consumption reported is actual; quantity measured is 67; unit is TD  |
| DTM*150*20121023  | Measurement period start date for this QTY loop                      |
| DTM*151*20121121  | Measurement period end date for this QTY loop                        |
| QTY*FL*1          | Historic usage in this QTY loop is from one service delivery point   |
| MEA*AN*PRQ*52*TD  | Consumption reported is actual; quantity measured is 52; unit is TD  |
| DTM*150*20120924  | Measurement period start date for this QTY loop                      |
| DTM*151*20121023  | Measurement period end date for this QTY loop                        |

***Response to Request for Historical Usage for Gas (NGRID-NY) - Continued***

|                  |   |
|------------------|---|
| QTY*FL*1         | Historic usage in this QTY loop is from one service delivery point            |
| MEA*AN*PRQ*32*TD | Consumption reported is actual; quantity measured is 32; unit is TD           |
| DTM*150*20120824 | Measurement period start date for this QTY loop                               |
| DTM*151*20120924 | Measurement period end date for this QTY loop                                 |
| SE*114*018242520 | Transaction Set Trailer; segment count; control number assigned by originator |

**Response to Request for Historic Usage for GAS (Con Edison)**

|                                      |   |
|--------------------------------------|---|
| ST*867*0008/                         | Transaction Set header; transaction defined is an <b>867</b> ; control number assigned by originator  |
| BPT*52*2001062730326001*20010627*DD/ | Transaction is a <b>Response to Historical Inquiry</b> ; Unique id number for this transaction; transaction creation date; Report type is <b>Historic Usage</b> |
| N1*SJ*AMERADA HESS*1*006977763/      | ESCO Name and DUNS number   |
| N1*8S*CON EDISON*1*006982359/        | Utility Name and DUNS number  |
| N1*8R*NAME/                          | Customer Name   |
| N4*FLUSHING*NY*11355-2426**TX*8009/  | Customer's City, State, Postal Code and Current Tax District Code   |
| REF*12*233939360100025/              | Utility assigned account number for the customer  |
| PTD*BQ***OZ*GAS/                     | This PTD loop pertains to <b>Metered Consumption Detail</b> ; Service is <b>Gas</b>   |
| REF*MG*3660153/                      | Meter Number  |
| REF*NH*931/                          | Utility Rate Service Class associated with this meter   |
| QTY*FL*1/                            | Historic usage in this QTY loop is from <b>one</b> service delivery point   |
| MEA*AN*PRQ*5067*HH/                  | Consumption reported is actual; quantity measured is <b>5,067</b> ; unit is <b>CCF</b>  |
| DTM*150*20010131/                    | Measurement period <b>start date</b> for this QTY loop  |
| DTM*151*20010302/                    | Measurement period <b>end date</b> for this QTY loop  |
| QTY*FL*1/                            | Historic usage in this QTY loop is from <b>one</b> service delivery point   |
| MEA*AN*PRQ*6646*HH/                  | Consumption reported is actual; quantity measured is <b>6,646</b> ; unit is <b>CCF</b>  |
| DTM*150*20001229/                    | Measurement period <b>start date</b> for this QTY loop  |
| DTM*150*20010131/                    | Measurement period <b>end date</b> for this QTY loop  |
| QTY*FL*1/                            | Historic usage in this QTY loop is from <b>one</b> service delivery point   |
| MEA*AN*PRQ*5806*HH/                  | Consumption reported is actual; quantity measured is <b>5,806</b> ; unit is <b>CCF</b>  |
| DTM*150*20001130/                    | Measurement period <b>start date</b> for this QTY loop  |
| DTM*151*20001229/                    | Measurement period <b>end date</b> for this QTY loop  |
| QTY*FL*1/                            | Historic usage in this QTY loop is from <b>one</b> service delivery point   |
| MEA*AN*PRQ*2986*HH/                  | Consumption reported is actual; quantity measured is <b>2,986</b> ; unit is <b>CCF</b>  |
| DTM*150*20001027/                    | Measurement period <b>start date</b> for this QTY loop  |
| DTM*151*20001130/                    | Measurement period <b>end date</b> for this QTY loop  |
| QTY*FL*1/                            | Historic usage in this QTY loop is from <b>one</b> service delivery point   |
| MEA*AN*PRQ*1236*HH/                  | Consumption reported is actual; quantity measured is <b>1,236</b> ; unit is <b>CCF</b>  |



***Response to Request for Historic Usage for GAS (Con Edison) – Continued***

|                     |  |
|---------------------|--|
| DTM*150*20000928/   | Measurement period <b>start date</b> for this QTY loop                                 |
| DTM*151*20001027/   | Measurement period <b>end date</b> for this QTY loop                                   |
| QTY*FL*1/           | Historic usage in this QTY loop is from <b>one</b> service delivery point              |
| MEA*AN*PRQ*1022*K1/ | Consumption reported is actual; quantity measured is <b>1,022</b> ; unit is <b>CCF</b> |
| DTM*150*20000829/   | Measurement period <b>start date</b> for this QTY loop                                 |
| DTM*151*20000928/   | Measurement period <b>end date</b> for this QTY loop                                   |
| QTY*FL*1/           | Historic usage in this QTY loop is from <b>one</b> service delivery point              |
| MEA*AN*PRQ*955*HH/  | Consumption reported is actual; quantity measured is <b>955</b> ; unit is <b>CCF</b>   |
| DTM*150*20000731/   | Measurement period <b>start date</b> for this QTY loop                                 |
| DTM*151*20000829/   | Measurement period <b>end date</b> for this QTY loop                                   |
| QTY*FL*1/           | Historic usage in this QTY loop is from <b>one</b> service delivery point              |
| MEA*AN*PRQ*1281*HH/ | Consumption reported is actual; quantity measured is <b>1,281</b> ; unit is <b>CCF</b> |
| DTM*150*20000629/   | Measurement period <b>start date</b> for this QTY loop                                 |
| DTM*151*20000731/   | Measurement period <b>end date</b> for this QTY loop                                   |
| QTY*FL*1/           | Historic usage in this QTY loop is from <b>one</b> service delivery point              |
| MEA*AN*PRQ*1211*HH/ | Consumption reported is actual; quantity measured is <b>1,211</b> ; unit is <b>CCF</b> |
| DTM*150*20000531/   | Measurement period <b>start date</b> for this QTY loop                                 |
| DTM*151*20000629/   | Measurement period <b>end date</b> for this QTY loop                                   |
| QTY*FL*1/           | Historic usage in this QTY loop is from <b>one</b> service delivery point              |
| MEA*AN*PRQ*1524*HH/ | Consumption reported is actual; quantity measured is <b>1,524</b> ; unit is <b>CCF</b> |
| DTM*150*20000501/   | Measurement period <b>start date</b> for this QTY loop                                 |
| DTM*151*20000531/   | Measurement period <b>end date</b> for this QTY loop                                   |
| QTY*FL*1/           | Historic usage in this QTY loop is from <b>one</b> service delivery point              |
| MEA*AN*PRQ*2822*HH/ | Consumption reported is actual; quantity measured is <b>2,822</b> ; unit is <b>CCF</b> |
| DTM*150*20000321/   | Measurement period <b>start date</b> for this QTY loop                                 |
| DTM*151*20000501/   | Measurement period <b>end date</b> for this QTY loop                                   |
| QTY*FL*1/           | Historic usage in this QTY loop is from <b>one</b> service delivery point              |
| MEA*AN*PRQ*3418*HH/ | Consumption reported is actual; quantity measured is <b>3,418</b> ; unit is <b>CCF</b> |

***Response to Request for Historic Usage for GAS (Con Edison) - Continued***

|                   |   |
|-------------------|---|
| DTM*150*20000302/ | Measurement period <b>start date</b> for this QTY loop  |
| DTM*151*20000331/ | Measurement period <b>end date</b> for this QTY loop  |
| SE*59*0008/       | Transaction set trailer; segment count; control number assigned by originator of this transaction |

**Gas Profile Data for the Same Account (Con Edison)**

|                                      |  |
|--------------------------------------|--|
| ST*867*0004/                         | Transaction Set header; transaction defined is an <b>867</b> ; control number assigned by originator   |
| BPT*52*2001062730326001*20010627*41/ | Transaction is a <b>Response to Historical Inquiry</b> ; Unique id number for this transaction; transaction creation date; Report type is <b>Gas Profile</b> |
| N1*SJ*AMERADA HESS*1*006977763/      | ESCO Name and DUNS number  |
| N1*8S*CON EDISON*1*006982359/        | Utility Name and DUNS number   |
| N1*8R*NAME/                          | Customer Name  |
| N4*FLUSHING*NY*11355-2426**TX*8009/  | Customer's City, State, Postal Code and Current Tax District Code  |
| REF*12*233939360100025/              | Utility assigned account number for the customer   |
| PTD*BG***OZ*GAS/                     | PTD loop contains <b>Gas Profile Factors</b> ; service is <b>Gas</b>   |
| DTM*193*199970901/                   | Profile Period Start Date  |
| REF*NH*931/                          | Utility Rate Service Class   |
| QTY*CG*7136*TD/                      | <b>Maximum Delivery Quantity</b> for the gas profile period  |
| PTD*SM***OZ*GAS/                     | PTD loop contains <b>Gas Profile Data</b> ; service is <b>Gas</b>  |
| DTM*582****MM*08/                    | Data in this loop is for <b>August</b>   |
| QTY*AY*926*TD/                       | Quantity reported is <b>projected weather normalized monthly usage including line losses</b> ; unit is <b>Therms</b>   |
| QTY*70*956*TD/                       | Quantity reported is the <b>projected monthly delivery quantity</b> ; unit is <b>Therms</b>  |
| QTY*WD*32*TD/                        | Quantity reported is <b>the projected daily delivery quantity</b> , unit is <b>Therms</b>  |
| QTY*BA*185*TD/                       | Quantity reported is <b>the projected balancing use</b> , unit is <b>Therms</b>  |
| AMT*SW*11.29/                        | Amount reported is the <b>estimated swing charges</b> for the period   |
| PTD*SM***OZ*GAS/                     | PTD loop contains <b>Gas Profile Data</b> ; service is <b>Gas</b>  |
| DTM*582****MM*09/                    | Data in this loop is for <b>September</b>  |
| QTY*AY*1024*TD/                      | Quantity reported is <b>projected weather normalized monthly usage including line losses</b> ; unit is <b>Therms</b>   |
| QTY*70*1058*TD/                      | Quantity reported is the <b>projected monthly delivery quantity</b> ; unit is <b>Therms</b>  |
| QTY*WD*36*TD/                        | Quantity reported is <b>the projected daily delivery quantity</b> , unit is <b>Therms</b>  |
| QTY*BA*205*TD/                       | Quantity reported is <b>the projected balancing use</b> , unit is <b>Therms</b>  |
| AMT*SW*12.49/                        | Amount reported is the <b>estimated swing charges</b> for the period   |
| PTD*SM***OZ*GAS/                     | PTD loop contains <b>Gas Profile Data</b> ; service is <b>Gas</b>  |
| DTM*582****MM*10/                    | Data in this loop is for <b>October</b>  |

**Gas Profile Data for the Same Account (Con Edison) - Continued**

|                   |  |
|-------------------|--|
| QTY*AY*2442*TD/   | Quantity reported is <b>projected weather normalized monthly usage including line losses</b> ; unit is <b>Therms</b> |
| QTY*70*2523*TD/   | Quantity reported is the <b>projected monthly delivery quantity</b> ; unit is <b>Therms</b>                          |
| QTY*WD*84*TD/     | Quantity reported is <b>the projected daily delivery quantity</b> , unit is <b>Therms</b>                            |
| QTY*BA*1186*TD/   | Quantity reported is <b>the projected balancing use</b> , unit is <b>Therms</b>                                      |
| AMT*SW*72.32/     | Amount reported is the <b>estimated swing charges</b> for the period   |
| PTD*SM***OZ*GAS/  | PTD loop contains <b>Gas Profile Data</b> ; service is <b>Gas</b>  |
| DTM*582****MM*11/ | Data in this loop is for <b>November</b>   |
| QTY*AY*2979*TD/   | Quantity reported is <b>projected weather normalized monthly usage including line losses</b> ; unit is <b>Therms</b> |
| QTY*70*3078*TD/   | Quantity reported is the <b>projected monthly delivery quantity</b> ; unit is <b>Therms</b>                          |
| QTY*WD*106*TD/    | Quantity reported is <b>the projected daily delivery quantity</b> , unit is <b>Therms</b>                            |
| QTY*BA*1765*TD/   | Quantity reported is <b>the projected balancing use</b> , unit is <b>Therms</b>                                      |
| AMT*SW*107.66/    | Amount reported is the <b>estimated swing charges</b> for the period   |
| PTD*SM***OZ*GAS/  | PTD loop contains <b>Gas Profile Data</b> ; service is <b>Gas</b>  |
| DTM*582****MM*12/ | Data in this loop is for <b>December</b>   |
| QTY*AY*6286*TD/   | Quantity reported is <b>projected weather normalized monthly usage including line losses</b> ; unit is <b>Therms</b> |
| QTY*70*6494*TD/   | Quantity reported is the <b>projected monthly delivery quantity</b> ; unit is <b>Therms</b>                          |
| QTY*WD*216*TD/    | Quantity reported is <b>the projected daily delivery quantity</b> , unit is <b>Therms</b>                            |
| QTY*BA*5030*TD/   | Quantity reported is <b>the projected balancing use</b> , unit is <b>Therms</b>                                      |
| AMT*SW*306.81/    | Amount reported is the <b>estimated swing charges</b> for the period   |
| PTD*SM***OZ*GAS/  | PTD loop contains <b>Gas Profile Data</b> ; service is <b>Gas</b>  |
| DTM*582****MM*01/ | Data in this loop is for <b>January</b>  |
| QTY*AY*7136*TD/   | Quantity reported is <b>projected weather normalized monthly usage including line losses</b> ; unit is <b>Therms</b> |
| QTY*70*7372*TD/   | Quantity reported is the <b>projected monthly delivery quantity</b> ; unit is <b>Therms</b>                          |
| QTY*WD*246*TD/    | Quantity reported is <b>the projected daily delivery quantity</b> , unit is <b>Therms</b>                            |
| QTY*BA*5880*TD/   | Quantity reported is <b>the projected balancing use</b> , unit is <b>Therms</b>                                      |
| AMT*SW*358.65/    | Amount reported is the <b>estimated swing charges</b> for the period   |
| PTD*SM***OZ*GAS/  | PTD loop contains <b>Gas Profile Data</b> ; service is <b>Gas</b>  |

**Gas Profile Data for the Same Account (Con Edison)- Continued**

|                   |  |
|-------------------|--|
| DTM*582****MM*02/ | Data in this loop is for <b>February</b>   |
| QTY*AY*5645*TD/   | Quantity reported is <b>projected weather normalized monthly usage including line losses</b> ; unit is <b>Therms</b> |
| QTY*70*5832*TD/   | Quantity reported is the <b>projected monthly delivery quantity</b> ; unit is <b>Therms</b>                          |
| QTY*WD*216*TD/    | Quantity reported is <b>the projected daily delivery quantity</b> , unit is <b>Therms</b>                            |
| QTY*BA*4514*TD/   | Quantity reported is <b>the projected balancing use</b> , unit is <b>Therms</b>                                      |
| AMT*SW*275.37/    | Amount reported is the <b>estimated swing charges</b> for the period   |
| PTD*SM***OZ*GAS/  | PTD loop contains <b>Gas Profile Data</b> ; service is <b>Gas</b>  |
| DTM*582****MM*03/ | Data in this loop is for <b>March</b>  |
| QTY*AY*4068*TD/   | Quantity reported is <b>projected weather normalized monthly usage including line losses</b> ; unit is <b>Therms</b> |
| QTY*70*4202*TD/   | Quantity reported is the <b>projected monthly delivery quantity</b> ; unit is <b>Therms</b>                          |
| QTY*WD*140*TD/    | Quantity reported is <b>the projected daily delivery quantity</b> , unit is <b>Therms</b>                            |
| QTY*BA*2811*TD/   | Quantity reported is <b>the projected balancing use</b> , unit is <b>Therms</b>                                      |
| AMT*SW*171.50/    | Amount reported is the <b>estimated swing charges</b> for the period   |
| PTD*SM***OZ*GAS/  | PTD loop contains <b>Gas Profile Data</b> ; service is <b>Gas</b>  |
| DTM*582****MM*04/ | Data in this loop is for <b>April</b>  |
| QTY*AY*3009*TD/   | Quantity reported is <b>projected weather normalized monthly usage including line losses</b> ; unit is <b>Therms</b> |
| QTY*70*3109*TD/   | Quantity reported is the <b>projected monthly delivery quantity</b> ; unit is <b>Therms</b>                          |
| QTY*WD*107*TD/    | Quantity reported is <b>the projected daily delivery quantity</b> , unit is <b>Therms</b>                            |
| QTY*BA*1795*TD/   | Quantity reported is <b>the projected balancing use</b> , unit is <b>Therms</b>                                      |
| AMT*SW*1099.48/   | Amount reported is the <b>estimated swing charges</b> for the period   |
| PTD*SM***OZ*GAS/  | PTD loop contains <b>Gas Profile Data</b> ; service is <b>Gas</b>  |
| DTM*582****MM*05/ | Data in this loop is for <b>May</b>  |
| QTY*AY*1727*TD/   | Quantity reported is <b>projected weather normalized monthly usage including line losses</b> ; unit is <b>Therms</b> |
| QTY*70*1785*TD/   | Quantity reported is the <b>projected monthly delivery quantity</b> ; unit is <b>Therms</b>                          |
| QTY*WD*59*TD/     | Quantity reported is <b>the projected daily delivery quantity</b> , unit is <b>Therms</b>                            |
| QTY*BA*471*TD/    | Quantity reported is <b>the projected balancing use</b> , unit is <b>Therms</b>                                      |
| AMT*SW*28.74/     | Amount reported is the <b>estimated swing charges</b> for the period   |

***Gas Profile Data for the Same Account (Con Edison) - Continued***

|                   |  |
|-------------------|--|
| PTD*SM***OZ*GAS/  | PTD loop contains <b>Gas Profile Data</b> ; service is <b>Gas</b>  |
| DTM*582****MM*06/ | Data in this loop is for <b>June</b>   |
| QTY*AY*1744*TD/   | Quantity reported is <b>projected weather normalized monthly usage including line losses</b> ; unit is <b>Therms</b> |
| QTY*70*1802*TD/   | Quantity reported is the <b>projected monthly delivery quantity</b> ; unit is <b>Therms</b>                          |
| QTY*WD*62*TD/     | Quantity reported is <b>the projected daily delivery quantity</b> , unit is <b>Therms</b>                            |
| QTY*BA*530*TD/    | Quantity reported is <b>the projected balancing use</b> , unit is <b>Therms</b>                                      |
| AMT*SW*32.33/     | Amount reported is the <b>estimated swing charges</b> for the period   |
| PTD*SM***OZ*GAS/  | PTD loop contains <b>Gas Profile Data</b> ; service is <b>Gas</b>  |
| DTM*582****MM*07/ | Data in this loop is for <b>July</b>   |
| QTY*AY*985*TD/    | Quantity reported is <b>projected weather normalized monthly usage including line losses</b> ; unit is <b>Therms</b> |
| QTY*70*1018*TD/   | Quantity reported is the <b>projected monthly delivery quantity</b> ; unit is <b>Therms</b>                          |
| QTY*WD*34*TD/     | Quantity reported is <b>the projected daily delivery quantity</b> , unit is <b>Therms</b>                            |
| QTY*BA*197*TD/    | Quantity reported is <b>the projected balancing use</b> , unit is <b>Therms</b>                                      |
| AMT*SW*12.02/     | Amount reported is the <b>estimated swing charges</b> for the period   |
| SE*95*0004/       | Transaction Set Trailer; segment count; control number assigned by originator  |

**Response Contains Electric Detail Interval Usage Data**

|                                      |   |
|--------------------------------------|---|
| ST*867*0011/                         | Transaction Set header; transaction defined is an <b>867</b> ; control number assigned by originator  |
| BPT*52*2001062730326001*20010706*DD/ | Transaction is a <b>Response to Historical Inquiry</b> ; Unique id number for this transaction; transaction creation date; Report type is <b>Historic Usage</b> |
| N1*SJ*TXU ENERGY*1*006827749/        | ESCO Name and DUNS number   |
| N1*8S*ROCHESTER G&E*24*160612110/    | Utility Name and DUNS number  |
| N1*8R*HENRY WOLCOTT III/             | Customer Name   |
| N4*NAPLES*NY*14512-9116**TX*3272/    | Customer's City, State, Postal Code and Current Tax District Code   |
| REF*12*245610/                       | Utility assigned account number for the customer  |
| PTD*BQ***OZ*EL/                      | PTD loop contains <b>Metered Consumption Detail</b> ; Service is <b>Electric</b>  |
| REF*MG*82582420/                     | Meter number  |
| REF*NH*04/                           | Utility Rate Service Class associated with this meter   |
| REF*PR*TR3/                          | Utility Rate Sub Class associated with this meter   |
| REF*LO*MSL/                          | Utility Load Profile Code associated with this meter  |
| QTY*FL*1/                            | <b>QTY Loop #1:</b> Number of service delivery end points represented in this QTY loop is <b>1</b>  |
| MEA*AN*PRQ*145*KH***42/              | <b>Recorded on-peak usage was 145 Kilowatt hours</b> for this period  |
| DTM*150*20010131/                    | <b>Start date</b> for the measurement period in which the usage in this QTY loop was recorded   |
| DTM*151*20010227/                    | <b>End date</b> for the measurement period in which the usage in this QTY loop was recorded   |
| QTY*FL*1/                            | <b>QTY Loop #2:</b> Number of service delivery end points represented in this QTY loop is <b>1</b>  |
| MEA*AN*PRQ*558*KH***41/              | <b>Recorded off-peak usage was 558 Kilowatt hours</b> for this period   |
| DTM*150*20010131/                    | <b>Start date</b> for the measurement period in which the usage in this QTY loop was recorded   |
| DTM*151*20010227/                    | <b>End date</b> for the measurement period in which the usage in this QTY loop was recorded   |
| QTY*FL*1/                            | <b>QTY Loop #3:</b> Number of service delivery end points represented in this QTY loop is <b>1</b>  |
| MEA*AN*PRQ*267*KH***43/              | <b>Recorded intermediate-peak usage was 267 Kilowatt hours</b> for this period  |
| DTM*150*20010131/                    | <b>Start date</b> for the measurement period in which the usage in this QTY loop was recorded   |
| DTM*151*20010227/                    | <b>End date</b> for the measurement period in which the usage in this QTY loop was recorded   |
| QTY*FL*1/                            | <b>QTY Loop #4:</b> Number of service delivery end points represented in this QTY loop is <b>1</b>  |

**Response Contains Electric Detail Interval Usage Data - Continued**

|                         |  |
|-------------------------|--|
| MEA*AN*PRQ*184*KH***42/ | <b>Recorded on-peak usage was 184 Kilowatt hours</b> for this period                               |
| DTM*150*20001229/       | <b>Start date</b> for the measurement period in which the usage in this QTY loop was recorded      |
| DTM*151*20010131/       | <b>End date</b> for the measurement period in which the usage in this QTY loop was recorded        |
| QTY*FL*1/               | <b>QTY Loop #5:</b> Number of service delivery end points represented in this QTY loop is <b>1</b> |
| MEA*AN*PRQ*646*KH***41/ | <b>Recorded off-peak usage was 646 Kilowatt hours</b> for this period                              |
| DTM*150*20001229/       | <b>Start date</b> for the measurement period in which the usage in this QTY loop was recorded      |
| DTM*151*20010131/       | <b>End date</b> for the measurement period in which the usage in this QTY loop was recorded        |
| QTY*FL*1/               | <b>QTY Loop #6</b> Number of service delivery end points represented in this QTY loop is <b>1</b>  |
| MEA*AN*PRQ*336*KH***43/ | <b>Recorded intermediate-peak usage was 336 Kilowatt hours</b> for this period                     |
| DTM*150*20001229/       | <b>Start date</b> for the measurement period in which the usage in this QTY loop was recorded      |
| DTM*151*20010131/       | <b>End date</b> for the measurement period in which the usage in this QTY loop was recorded        |
| QTY*FL*1/               | <b>QTY Loop #7:</b> Number of service delivery end points represented in this QTY loop is <b>1</b> |
| MEA*AN*PRQ*147*KH***42/ | <b>Recorded on-peak usage was 147 Kilowatt hours</b> for this period                               |
| DTM*150*20001129/       | <b>Start date</b> for the measurement period in which the usage in this QTY loop was recorded      |
| DTM*151*20001229/       | <b>End date</b> for the measurement period in which the usage in this QTY loop was recorded        |
| QTY*FL*1/               | <b>QTY Loop #8:</b> Number of service delivery end points represented in this QTY loop is <b>1</b> |
| MEA*AN*PRQ*562*KH***41/ | <b>Recorded off-peak usage was 562 Kilowatt hours</b> for this period                              |
| DTM*150*20001129/       | <b>Start date</b> for the measurement period in which the usage in this QTY loop was recorded      |
| DTM*151*20001229/       | <b>End date</b> for the measurement period in which the usage in this QTY loop was recorded        |
| QTY*FL*1/               | <b>QTY Loop #9:</b> Number of service delivery end points represented in this QTY loop is <b>1</b> |
| MEA*AN*PRQ*331*KH***43/ | <b>Recorded intermediate-peak usage was 331 Kilowatt hours</b> for this period                     |
| DTM*150*20001129/       | <b>Start date</b> for the measurement period in which the usage in this QTY loop was recorded      |



***Response Contains Electric Detail Interval Usage Data - Continued***

|                         |   |
|-------------------------|---|
| DTM*151*20001229/       | <b>End date</b> for the measurement period in which the usage in this QTY loop was recorded         |
| QTY*FL*1/               | <b>QTY Loop #10:</b> Number of service delivery end points represented in this QTY loop is <b>1</b> |
| MEA*AN*PRQ*0*KH***42/   | <b>Recorded on-peak usage was 0 Kilowatt hours</b> for this period                                  |
| DTM*150*20001026/       | <b>Start date</b> for the measurement period in which the usage in this QTY loop was recorded       |
| DTM*151*20001129/       | <b>End date</b> for the measurement period in which the usage in this QTY loop was recorded         |
| QTY*FL*1/               | <b>QTY Loop #11:</b> Number of service delivery end points represented in this QTY loop is <b>1</b> |
| MEA*AN*PRQ*578*KH***41/ | <b>Recorded off-peak usage was 578 Kilowatt hours</b> for this period                               |
| DTM*150*20001026/       | <b>Start date</b> for the measurement period in which the usage in this QTY loop was recorded       |
| DTM*151*20001129/       | <b>End date</b> for the measurement period in which the usage in this QTY loop was recorded         |
| QTY*FL*1/               | <b>QTY Loop #12:</b> Number of service delivery end points represented in this QTY loop is <b>1</b> |
| MEA*AN*PRQ*531*KH***43/ | <b>Recorded intermediate-peak usage was 531 Kilowatt hours</b> for this period                      |
| DTM*150*20001026/       | <b>Start date</b> for the measurement period in which the usage in this QTY loop was recorded       |
| DTM*151*20001129/       | <b>End date</b> for the measurement period in which the usage in this QTY loop was recorded         |
| QTY*FL*1/               | <b>QTY Loop #13:</b> Number of service delivery end points represented in this QTY loop is <b>1</b> |
| MEA*AN*PRQ*17*KH***42/  | <b>Recorded peak usage was 17 Kilowatt hours</b> for this period                                    |
| DTM*150*20000926/       | <b>Start date</b> for the measurement period in which the usage in this QTY loop was recorded       |
| DTM*151*20001026/       | <b>End date</b> for the measurement period in which the usage in this QTY loop was recorded         |
| QTY*FL*1/               | <b>QTY Loop #14:</b> Number of service delivery end points represented in this QTY loop is <b>1</b> |
| MEA*AN*PRQ*523*KH***41/ | <b>Recorded off-peak usage was 523 Kilowatt hours</b> for this period                               |
| DTM*150*20000926/       | <b>Start date</b> for the measurement period in which the usage in this QTY loop was recorded       |
| DTM*151*20001026/       | <b>End date</b> for the measurement period in which the usage in this QTY loop was recorded         |
| QTY*FL*1/               | <b>QTY Loop #15:</b> Number of service delivery end points represented in this QTY loop is <b>1</b> |

**Response Contains Electric Detail Interval Usage Data - Continued**

|                         |   |
|-------------------------|---|
| MEA*AN*PRQ*364*KH***43/ | <b>Recorded intermediate-peak usage was 364 Kilowatt hours</b> for this period                      |
| DTM*150*20000926/       | <b>Start date</b> for the measurement period in which the usage in this QTY loop was recorded       |
| DTM*151*20001026/       | <b>End date</b> for the measurement period in which the usage in this QTY loop was recorded         |
| QTY*FL*1/               | <b>QTY Loop #16:</b> Number of service delivery end points represented in this QTY loop is <b>1</b> |
| MEA*AN*PRQ*187*KH***42/ | <b>Recorded peak usage was 187 Kilowatt hours</b> for this period                                   |
| DTM*150*20000824/       | <b>Start date</b> for the measurement period in which the usage in this QTY loop was recorded       |
| DTM*151*20000926/       | <b>End date</b> for the measurement period in which the usage in this QTY loop was recorded         |
| QTY*FL*1/               | <b>QTY Loop #17:</b> Number of service delivery end points represented in this QTY loop is <b>1</b> |
| MEA*AN*PRQ*470*KH***41/ | <b>Recorded off-peak usage was 470 Kilowatt hours</b> for this period                               |
| DTM*150*20000824/       | <b>Start date</b> for the measurement period in which the usage in this QTY loop was recorded       |
| DTM*151*20000926/       | <b>End date</b> for the measurement period in which the usage in this QTY loop was recorded         |
| QTY*FL*1/               | <b>QTY Loop #18:</b> Number of service delivery end points represented in this QTY loop is <b>1</b> |
| MEA*AN*PRQ*321*KH***43/ | <b>Recorded intermediate-peak usage was 321 Kilowatt hours</b> for this period                      |
| DTM*150*20000824/       | <b>Start date</b> for the measurement period in which the usage in this QTY loop was recorded       |
| DTM*151*20000926/       | <b>End date</b> for the measurement period in which the usage in this QTY loop was recorded         |
| QTY*FL*1/               | <b>QTY Loop #19:</b> Number of service delivery end points represented in this QTY loop is <b>1</b> |
| MEA*AN*PRQ*140*KH***42/ | <b>Recorded on-peak usage was 140 Kilowatt hours</b> for this period                                |
| DTM*150*20000728/       | <b>Start date</b> for the measurement period in which the usage in this QTY loop was recorded       |
| DTM*151*20000824/       | <b>End date</b> for the measurement period in which the usage in this QTY loop was recorded         |
| QTY*FL*1/               | <b>QTY Loop #20:</b> Number of service delivery end points represented in this QTY loop is <b>1</b> |
| MEA*AN*PRQ*404*KH***41/ | <b>Recorded off-peak usage was 404 Kilowatt hours</b> for this period                               |
| DTM*150*20000728/       | <b>Start date</b> for the measurement period in which the usage in this QTY loop was recorded       |

**Response Contains Electric Detail Interval Usage Data- Continued**

|                         |   |
|-------------------------|---|
| DTM*151*20000824/       | <b>End date</b> for the measurement period in which the usage in this QTY loop was recorded         |
| QTY*FL*1/               | <b>QTY Loop #21:</b> Number of service delivery end points represented in this QTY loop is <b>1</b> |
| MEA*AN*PRQ*245*KH***43/ | <b>Recorded intermediate-peak usage was 245 Kilowatt hours</b> for this period                      |
| DTM*150*20000728/       | <b>Start date</b> for the measurement period in which the usage in this QTY loop was recorded       |
| DTM*151*20000824/       | <b>End date</b> for the measurement period in which the usage in this QTY loop was recorded         |
| QTY*FL*1/               | <b>QTY Loop #22:</b> Number of service delivery end points represented in this QTY loop is <b>1</b> |
| MEA*AN*PRQ*187*KH***42/ | <b>Recorded on-peak usage was 187 Kilowatt hours</b> for this period                                |
| DTM*150*20000626/       | <b>Start date</b> for the measurement period in which the usage in this QTY loop was recorded       |
| DTM*151*20000728/       | <b>End date</b> for the measurement period in which the usage in this QTY loop was recorded         |
| QTY*FL*1/               | <b>QTY Loop #23:</b> Number of service delivery end points represented in this QTY loop is <b>1</b> |
| MEA*AN*PRQ*462*KH***41/ | <b>Recorded off-peak usage was 462 Kilowatt hours</b> for this period                               |
| DTM*150*20000626/       | <b>Start date</b> for the measurement period in which the usage in this QTY loop was recorded       |
| DTM*151*20000728/       | <b>End date</b> for the measurement period in which the usage in this QTY loop was recorded         |
| QTY*FL*1/               | <b>QTY Loop #24:</b> Number of service delivery end points represented in this QTY loop is <b>1</b> |
| MEA*AN*PRQ*312*KH***43/ | <b>Recorded intermediate-peak usage was 312 Kilowatt hours</b> for this period                      |
| DTM*150*20000626/       | <b>Start date</b> for the measurement period in which the usage in this QTY loop was recorded       |
| DTM*151*20000728/       | <b>End date</b> for the measurement period in which the usage in this QTY loop was recorded         |
| QTY*FL*1/               | <b>QTY Loop #25:</b> Number of service delivery end points represented in this QTY loop is <b>1</b> |
| MEA*AN*PRQ*118*KH***42/ | <b>Recorded on-peak usage was 118 Kilowatt hours</b> for this period                                |
| DTM*150*20000525/       | <b>Start date</b> for the measurement period in which the usage in this QTY loop was recorded       |
| DTM*151*20000626/       | <b>End date</b> for the measurement period in which the usage in this QTY loop was recorded         |
| QTY*FL*1/               | <b>QTY Loop #26:</b> Number of service delivery end points represented in this QTY loop is <b>1</b> |

***Response Contains Electric Detail Interval Usage Data - Continued***

|                         |   |
|-------------------------|---|
| MEA*AN*PRQ*411*KH***41/ | <b>Recorded off-peak usage was 411 Kilowatt hours</b> for this period                               |
| DTM*150*20000525/       | <b>Start date</b> for the measurement period in which the usage in this QTY loop was recorded       |
| DTM*151*20000626/       | <b>End date</b> for the measurement period in which the usage in this QTY loop was recorded         |
| QTY*FL*1/               | <b>QTY Loop #27:</b> Number of service delivery end points represented in this QTY loop is <b>1</b> |
| MEA*AN*PRQ*323*KH***43/ | <b>Recorded intermediate-peak usage was 323 Kilowatt hours</b> for this period                      |
| DTM*150*20000525/       | <b>Start date</b> for the measurement period in which the usage in this QTY loop was recorded       |
| DTM*151*20000626/       | <b>End date</b> for the measurement period in which the usage in this QTY loop was recorded         |
| QTY*FL*1/               | <b>QTY Loop #28:</b> Number of service delivery end points represented in this QTY loop is <b>1</b> |
| MEA*AN*PRQ*0*KH***42/   | <b>Recorded on-peak usage was 0 Kilowatt hours</b> for this period                                  |
| DTM*150*20000425/       | <b>Start date</b> for the measurement period in which the usage in this QTY loop was recorded       |
| DTM*151*20000525/       | <b>End date</b> for the measurement period in which the usage in this QTY loop was recorded         |
| QTY*FL*1/               | <b>QTY Loop #29:</b> Number of service delivery end points represented in this QTY loop is <b>1</b> |
| MEA*AN*PRQ*410*KH***41/ | <b>Recorded off-peak usage was 410 Kilowatt hours</b> for this period                               |
| DTM*150*20000425/       | <b>Start date</b> for the measurement period in which the usage in this QTY loop was recorded       |
| DTM*151*20000525/       | <b>End date</b> for the measurement period in which the usage in this QTY loop was recorded         |
| QTY*FL*1/               | <b>QTY Loop #30:</b> Number of service delivery end points represented in this QTY loop is <b>1</b> |
| MEA*AN*PRQ*428*KH***43/ | <b>Recorded intermediate-peak usage was 428 Kilowatt hours</b> for this period                      |
| DTM*150*20000425/       | <b>Start date</b> for the measurement period in which the usage in this QTY loop was recorded       |
| DTM*151*20000525/       | <b>End date</b> for the measurement period in which the usage in this QTY loop was recorded         |
| QTY*FL*1/               | <b>QTY Loop #31:</b> Number of service delivery end points represented in this QTY loop is <b>1</b> |
| MEA*AN*PRQ*0*KH***42/   | <b>Recorded peak usage was 0 Kilowatt hours</b> for this period                                     |
| DTM*150*20000425/       | <b>Start date</b> for the measurement period in which the usage in this QTY loop was recorded       |

***Response Contains Electric Detail Interval Usage Data- Continued***

|                         |   |
|-------------------------|---|
| DTM*151*20000525/       | <b>End date</b> for the measurement period in which the usage in this QTY loop was recorded         |
| QTY*FL*1/               | <b>QTY Loop #32:</b> Number of service delivery end points represented in this QTY loop is <b>1</b> |
| MEA*AN*PRQ*557*KH***41/ | <b>Recorded off-peak usage was 557 Kilowatt hours</b> for this period                               |
| DTM*150*20000323/       | <b>Start date</b> for the measurement period in which the usage in this QTY loop was recorded       |
| DTM*151*20000425/       | <b>End date</b> for the measurement period in which the usage in this QTY loop was recorded         |
| QTY*FL*1/               | <b>QTY Loop #33:</b> Number of service delivery end points represented in this QTY loop is <b>1</b> |
| MEA*AN*PRQ*515*KH***43/ | <b>Recorded intermediate-peak usage was 515 Kilowatt hours</b> for this period                      |
| DTM*150*20000323/       | <b>Start date</b> for the measurement period in which the usage in this QTY loop was recorded       |
| DTM*151*20000425/       | <b>End date</b> for the measurement period in which the usage in this QTY loop was recorded         |
| QTY*FL*1/               | <b>QTY Loop #34:</b> Number of service delivery end points represented in this QTY loop is <b>1</b> |
| MEA*AN*PRQ*35*KH***42/  | <b>Recorded peak usage was 35 Kilowatt hours</b> for this period                                    |
| DTM*150*20000223/       | <b>Start date</b> for the measurement period in which the usage in this QTY loop was recorded       |
| DTM*151*20000323/       | <b>End date</b> for the measurement period in which the usage in this QTY loop was recorded         |
| QTY*FL*1/               | <b>QTY Loop #35:</b> Number of service delivery end points represented in this QTY loop is <b>1</b> |
| MEA*AN*PRQ*433*KH***41/ | <b>Recorded off-peak usage was 433 Kilowatt hours</b> for this period                               |
| DTM*150*20000223/       | <b>Start date</b> for the measurement period in which the usage in this QTY loop was recorded       |
| DTM*151*20000323/       | <b>End date</b> for the measurement period in which the usage in this QTY loop was recorded         |
| QTY*FL*1/               | <b>QTY Loop #36:</b> Number of service delivery end points represented in this QTY loop is <b>1</b> |
| MEA*AN*PRQ*409*KH***43/ | <b>Recorded intermediate-peak usage was 409 Kilowatt hours</b> for this period                      |
| DTM*150*20000223/       | <b>Start date</b> for the measurement period in which the usage in this QTY loop was recorded       |
| DTM*151*20000323/       | <b>End date</b> for the measurement period in which the usage in this QTY loop was recorded         |
| SE*157*0011/            | Transaction Set Trailer; segment count; control number assigned by originator                       |

**Response Contains Electric Unmetered Usage Data**

|                                      |   |
|--------------------------------------|---|
| ST*867*0012/                         | Transaction Set header; transaction defined is an <b>867</b> ; control number assigned by originator  |
| BPT*52*20000301145101*20010706*DD/   | Transaction is a <b>Response to Historical Inquiry</b> ; Unique id number for this transaction; transaction creation date; Report type is <b>Historic Usage</b> |
| N1*SJ*ENERGETIX*1*006817952/         | ESCO Name and DUNS number   |
| N1*8S*ROCHESTER G&E*24*160612110/    | Utility Name and DUNS number  |
| N1*8R*DOT FIELD OFFICE #5/           | Customer Name   |
| N4*ROCHESTER*NY*14624-5121**TX*2605/ | Customer's City, State, Postal Code and Current Tax District Code   |
| REF*12*96135/                        | Utility assigned account number for the customer  |
| PTD*BC***OZ*EL/                      | This PTD loop contains <b>Unmetered Usage</b> ; Service is <b>Electric</b>  |
| REF*NH*02/                           | Utility Rate Service Class associated with the service delivery points summarized in this PTD loop  |
| REF*PR*EC2/                          | Utility Rate Sub Class associated with the service delivery points summarized in this PTD loop  |
| REF*LO*MSL/                          | Utility Load Profile Code associated with the service delivery points summarized in this PTD loop   |
| QTY*FL*1/                            | <b>QTY Loop #1:</b> Usage in this QTY loop is for <b>1 service delivery point</b> on this account   |
| MEA*BR*PRQ*0*KH/                     | <b>Billed usage was 0 Kilowatt hours</b> for this period  |
| DTM*150*20010110/                    | <b>Start date</b> for the measurement period for the usage in this QTY loop   |
| DTM*151*20010209/                    | <b>End date</b> for the measurement period for the usage in this QTY loop   |
| QTY*FL*1/                            | <b>QTY Loop #2:</b> Usage in this QTY loop is for <b>1 service delivery point</b> on this account   |
| MEA*BR*PRQ*0*KH/                     | <b>Billed usage was 0 Kilowatt hours</b> for this period  |
| DTM*150*20001208/                    | <b>Start date</b> for the measurement period for the usage in this QTY loop   |
| DTM*151*20010110/                    | <b>End date</b> for the measurement period for the usage in this QTY loop   |
| QTY*FL*1/                            | <b>QTY Loop #3:</b> Usage in this QTY loop is for <b>1 service delivery point</b> on this account   |
| MEA*BR*PRQ*0*KH/                     | <b>Billed usage was 0 Kilowatt hours</b> for this period  |
| DTM*150*20001108/                    | <b>Start date</b> for the measurement period for the usage in this QTY loop   |
| DTM*151*20001208/                    | <b>End date</b> for the measurement period for the usage in this QTY loop   |
| QTY*FL*1/                            | <b>QTY Loop #4:</b> Usage in this QTY loop is for <b>1 service delivery point</b> on this account   |
| MEA*BR*PRQ*0*KH/                     | <b>Billed usage was 0 Kilowatt hours</b> for this period  |
| DTM*150*20001010/                    | <b>Start date</b> for the measurement period for the usage in this QTY loop   |

***Response Contains Electric Unmetered Usage Data - Continued***

|                   |  |
|-------------------|--|
| DTM*151*20001108/ | <b>End date</b> for the measurement period for the usage in this QTY loop                          |
| QTY*FL*1/         | <b>QTY Loop #5:</b> Usage in this QTY loop is for <b>1 service delivery point</b> on this account  |
| MEA*BR*PRQ*0*KH/  | <b>Billed usage was 0 Kilowatt hours</b> for this period   |
| DTM*150*20000908/ | <b>Start date</b> for the measurement period for the usage in this QTY loop                        |
| DTM*151*20001010/ | <b>End date</b> for the measurement period for the usage in this QTY loop                          |
| QTY*FL*1/         | <b>QTY Loop #6:</b> Usage in this QTY loop is for <b>1 service delivery point</b> on this account  |
| MEA*BR*PRQ*0*KH/  | <b>Billed usage was 0 Kilowatt hours</b> for this period   |
| DTM*150*20000808/ | <b>Start date</b> for the measurement period for the usage in this QTY loop                        |
| DTM*151*20000908/ | <b>End date</b> for the measurement period for the usage in this QTY loop                          |
| QTY*FL*1/         | <b>QTY Loop #7:</b> Usage in this QTY loop is for <b>1 service delivery point</b> on this account  |
| MEA*BR*PRQ*0*KH/  | <b>Billed usage was 0 Kilowatt hours</b> for this period   |
| DTM*150*20000711/ | <b>Start date</b> for the measurement period for the usage in this QTY loop                        |
| DTM*151*20000808/ | <b>End date</b> for the measurement period for the usage in this QTY loop                          |
| QTY*FL*1/         | <b>QTY Loop #8:</b> Usage in this QTY loop is for <b>1 service delivery point</b> on this account  |
| MEA*BR*PRQ*0*KH/  | <b>Billed usage was 0 Kilowatt hours</b> for this period   |
| DTM*150*20000608/ | <b>Start date</b> for the measurement period for the usage in this QTY loop                        |
| DTM*151*20000711/ | <b>End date</b> for the measurement period for the usage in this QTY loop                          |
| QTY*FL*1/         | <b>QTY Loop #9:</b> Usage in this QTY loop is for <b>1 service delivery point</b> on this account  |
| MEA*BR*PRQ*0*KH/  | <b>Billed usage was 0 Kilowatt hours</b> for this period   |
| DTM*150*20000509/ | <b>Start date</b> for the measurement period for the usage in this QTY loop                        |
| DTM*151*20000608/ | <b>End date</b> for the measurement period for the usage in this QTY loop                          |
| QTY*FL*1/         | <b>QTY Loop #10:</b> Usage in this QTY loop is for <b>1 service delivery point</b> on this account |
| MEA*BR*PRQ*0*KH/  | <b>Billed usage was 0 Kilowatt hours</b> for this period   |
| DTM*150*20000406/ | <b>Start date</b> for the measurement period for the usage in this QTY loop                        |
| DTM*151*20000509/ | <b>End date</b> for the measurement period for the usage in this QTY loop                          |
| QTY*FL*1/         | <b>QTY Loop #11:</b> Usage in this QTY loop is for <b>1 service delivery point</b> on this account |
| MEA*BR*PRQ*0*KH/  | <b>Billed usage was 0 Kilowatt hours</b> for this period   |
| DTM*150*20000307/ | <b>Start date</b> for the measurement period for the usage in this QTY loop                        |

**Response Contains Electric Unmetered Usage Data - Continued**

|                     |   |
|---------------------|---|
| DTM*151*20000406/   | <b>End date</b> for the measurement period for the usage in this QTY loop                                     |
| QTY*FL*1/           | <b>QTY Loop #12:</b> Usage in this QTY loop is for <b>1 service delivery point</b> on this account            |
| MEA*BR*PRQ*0*KH/    | <b>Billed usage was 0 Kilowatt hours</b> for this period  |
| DTM*150*20000207/   | <b>Start date</b> for the measurement period for the usage in this QTY loop                                   |
| DTM*151*20000307/   | <b>End date</b> for the measurement period for the usage in this QTY loop                                     |
| PTD*BC***OZ*EL/     | <b>PTD loop #2:</b> This PTD loop contains <b>Unmetered Usage;</b> Service is <b>Electric</b>                 |
| REF*NH*02/          | Utility Rate Service Class associated with the service delivery points summarized in this PTD loop            |
| REF*PR*NM1/         | Utility Rate Sub Class associated with the service delivery points summarized in this PTD loop                |
| REF*LO*MSL/         | Utility Load Profile Code associated with the service delivery points summarized in this PTD loop             |
| QTY*FL*3/           | <b>QTY Loop #1:</b> Usage in this QTY loop is summarized for <b>3 service delivery points</b> on this account |
| MEA*BR*PRQ*1250*KH/ | <b>Billed usage was 1250 Kilowatt hours</b> for this period   |
| DTM*150*20010110/   | <b>Start date</b> for the measurement period for the usage in this QTY loop                                   |
| DTM*151*20010209/   | <b>End date</b> for the measurement period for the usage in this QTY loop                                     |
| QTY*FL*3/           | <b>QTY Loop #2:</b> Usage in this QTY loop is summarized for <b>3 service delivery points</b> on this account |
| MEA*BR*PRQ*1250*KH/ | <b>Billed usage was 1250 Kilowatt hours</b> for this period   |
| DTM*150*20001208/   | <b>Start date</b> for the measurement period for the usage in this QTY loop                                   |
| DTM*151*20010110/   | <b>End date</b> for the measurement period for the usage in this QTY loop                                     |
| QTY*FL*3/           | <b>QTY Loop #3:</b> Usage in this QTY loop is summarized for <b>3 service delivery points</b> on this account |
| MEA*BR*PRQ*1250*KH/ | <b>Billed usage was 1250 Kilowatt hours</b> for this period   |
| DTM*150*20001108/   | <b>Start date</b> for the measurement period for the usage in this QTY loop                                   |
| DTM*151*20001208/   | <b>End date</b> for the measurement period for the usage in this QTY loop                                     |
| QTY*FL*3/           | <b>QTY Loop #4:</b> Usage in this QTY loop is summarized for <b>3 service delivery points</b> on this account |
| MEA*BR*PRQ*1250*KH/ | <b>Billed usage was 1250 Kilowatt hours</b> for this period   |
| DTM*150*20001010/   | <b>Start date</b> for the measurement period for the usage in this QTY loop                                   |



***Response Contains Electric Unmetered Usage Data - Continued***

|                     |  |
|---------------------|--|
| DTM*151*20001108/   | <b>End date</b> for the measurement period for the usage in this QTY loop                                      |
| QTY*FL*3/           | <b>QTY Loop #5:</b> Usage in this QTY loop is summarized for <b>3 service delivery points</b> on this account  |
| MEA*BR*PRQ*1250*KH/ | <b>Billed usage was 1250 Kilowatt hours</b> for this period  |
| DTM*150*20000908/   | <b>Start date</b> for the measurement period for the usage in this QTY loop                                    |
| DTM*151*20001010/   | <b>End date</b> for the measurement period for the usage in this QTY loop                                      |
| QTY*FL*3/           | <b>QTY Loop #6:</b> Usage in this QTY loop is summarized for <b>3 service delivery points</b> on this account  |
| MEA*BR*PRQ*1250*KH/ | <b>Billed usage was 1250 Kilowatt hours</b> for this period  |
| DTM*150*20000808/   | <b>Start date</b> for the measurement period for the usage in this QTY loop                                    |
| DTM*151*20000908/   | <b>End date</b> for the measurement period for the usage in this QTY loop                                      |
| QTY*FL*3/           | <b>QTY Loop #7:</b> Usage in this QTY loop is summarized for <b>3 service delivery points</b> on this account  |
| MEA*BR*PRQ*1250*KH/ | <b>Billed usage was 1250 Kilowatt hours</b> for this period  |
| DTM*150*20000711/   | <b>Start date</b> for the measurement period for the usage in this QTY loop                                    |
| DTM*151*20000808/   | <b>End date</b> for the measurement period for the usage in this QTY loop                                      |
| QTY*FL*3/           | <b>QTY Loop #8:</b> Usage in this QTY loop is summarized for <b>3 service delivery points</b> on this account  |
| MEA*BR*PRQ*1250*KH/ | <b>Billed usage was 1250 Kilowatt hours</b> for this period  |
| DTM*150*20000608/   | <b>Start date</b> for the measurement period for the usage in this QTY loop                                    |
| DTM*151*20000711/   | <b>End date</b> for the measurement period for the usage in this QTY loop                                      |
| QTY*FL*3/           | <b>QTY Loop #9:</b> Usage in this QTY loop is summarized for <b>3 service delivery points</b> on this account  |
| MEA*BR*PRQ*1250*KH/ | <b>Billed usage was 1250 Kilowatt hours</b> for this period  |
| DTM*150*20000509/   | <b>Start date</b> for the measurement period for the usage in this QTY loop                                    |
| DTM*151*20000608/   | <b>End date</b> for the measurement period for the usage in this QTY loop                                      |
| QTY*FL*3/           | <b>QTY Loop #10:</b> Usage in this QTY loop is summarized for <b>3 service delivery points</b> on this account |
| MEA*BR*PRQ*1250*KH/ | <b>Billed usage was 1250 Kilowatt hours</b> for this period  |
| DTM*150*20000406/   | <b>Start date</b> for the measurement period for the usage in this QTY loop                                    |
| DTM*151*20000509/   | <b>End date</b> for the measurement period for the usage in this QTY loop                                      |

***Response Contains Electric Unmetered Usage Data - Continued***

|                     |  |
|---------------------|--|
| QTY*FL*3/           | <b>QTY Loop #11:</b> Usage in this QTY loop is summarized for <b>3 service delivery points</b> on this account |
| MEA*BR*PRQ*1250*KH/ | <b>Billed usage was 1250 Kilowatt hours</b> for this period  |
| DTM*150*20000307/   | <b>Start date</b> for the measurement period for the usage in this QTY loop                                    |
| DTM*151*20000406/   | <b>End date</b> for the measurement period for the usage in this QTY loop                                      |
| QTY*FL*3/           | <b>QTY Loop #12:</b> Usage in this QTY loop is summarized for <b>3 service delivery points</b> on this account |
| MEA*BR*PRQ*1250*KH/ | <b>Billed usage was 1250 Kilowatt hours</b> for this period  |
| DTM*150*20000207/   | <b>Start date</b> for the measurement period for the usage in this QTY loop                                    |
| DTM*151*20000307/   | <b>End date</b> for the measurement period for the usage in this QTY loop                                      |
| SE*112*0012/        | Transaction Set Trailer; segment count; control number assigned by originator                                  |

**Response to Request for Historic Usage for GAS Includes Additional Information**

|                                      |   |
|--------------------------------------|---|
| ST*867*0008/                         | Transaction Set header; transaction defined is an <b>867</b> ; control number assigned by originator  |
| BPT*52*2001062730326001*20010627*DD/ | Transaction is a <b>Response to Historical Inquiry</b> ; Unique id number for this transaction; transaction creation date; Report type is <b>Historic Usage</b> |
| N1*SJ*AMERADA HESS*1*006977763/      | ESCO Name and DUNS number   |
| N1*8S*CON EDISON*1*006982359/        | Utility Name and DUNS number  |
| N1*8R*NAME/                          | Customer Name   |
| N4*FLUSHING*NY*11355-2426**TX*8009/  | Customer's City, State, Postal Code and Current Tax District Code   |
| REF*12*233939360100025/              | Utility assigned account number for the customer  |
| PTD*BQ***OZ*GAS/                     | This PTD loop pertains to <b>Metered Consumption Detail</b> ; Service is <b>Gas</b>   |
| REF*MG*3660153/                      | Meter Number  |
| REF*NH*931/                          | Utility Rate Service Class associated with this meter   |
| QTY*FL*1/                            | Historic usage in this QTY loop is from <b>one</b> service delivery point   |
| MEA*AN*PRQ*5067*HH/                  | Consumption reported is actual; quantity measured is <b>5,067</b> ; unit is <b>CCF</b>  |
| DTM*150*20010131/                    | Measurement period <b>start date</b> for this QTY loop  |
| DTM*151*20010302/                    | Measurement period <b>end date</b> for this QTY loop  |
| QTY*FL*1/                            | Historic usage in this QTY loop is from <b>one</b> service delivery point   |
| MEA*AN*PRQ*6646*HH/                  | Consumption reported is actual; quantity measured is <b>6,646</b> ; unit is <b>CCF</b>  |
| DTM*150*20001229/                    | Measurement period <b>start date</b> for this QTY loop  |
| DTM*150*20010131/                    | Measurement period <b>end date</b> for this QTY loop  |
| QTY*FL*1/                            | Historic usage in this QTY loop is from <b>one</b> service delivery point   |
| MEA*AN*PRQ*5806*HH/                  | Consumption reported is actual; quantity measured is <b>5,806</b> ; unit is <b>CCF</b>  |
| DTM*150*20001130/                    | Measurement period <b>start date</b> for this QTY loop  |
| DTM*151*20001229/                    | Measurement period <b>end date</b> for this QTY loop  |
| QTY*FL*1/                            | Historic usage in this QTY loop is from <b>one</b> service delivery point   |
| MEA*AN*PRQ*2986*HH/                  | Consumption reported is actual; quantity measured is <b>2,986</b> ; unit is <b>CCF</b>  |
| DTM*150*20001027/                    | Measurement period <b>start date</b> for this QTY loop  |
| DTM*151*20001130/                    | Measurement period <b>end date</b> for this QTY loop  |
| QTY*FL*1/                            | Historic usage in this QTY loop is from <b>one</b> service delivery point   |
| MEA*AN*PRQ*1236*HH/                  | Consumption reported is actual; quantity measured is <b>1,236</b> ; unit is <b>CCF</b>  |

***Response to Request for Historic Usage for GAS Includes Additional Information - Continued***

|                     |  |
|---------------------|--|
| DTM*150*20000928/   | Measurement period <b>start date</b> for this QTY loop                                 |
| DTM*151*20001027/   | Measurement period <b>end date</b> for this QTY loop                                   |
| QTY*FL*1/           | Historic usage in this QTY loop is from <b>one</b> service delivery point              |
| MEA*AN*PRQ*1022*K1/ | Consumption reported is actual; quantity measured is <b>1,022</b> ; unit is <b>CCF</b> |
| DTM*150*20000829/   | Measurement period <b>start date</b> for this QTY loop                                 |
| DTM*151*20000928/   | Measurement period <b>end date</b> for this QTY loop                                   |
| QTY*FL*1/           | Historic usage in this QTY loop is from <b>one</b> service delivery point              |
| MEA*AN*PRQ*955*HH/  | Consumption reported is actual; quantity measured is <b>955</b> ; unit is <b>CCF</b>   |
| DTM*150*20000731/   | Measurement period <b>start date</b> for this QTY loop                                 |
| DTM*151*20000829/   | Measurement period <b>end date</b> for this QTY loop                                   |
| QTY*FL*1/           | Historic usage in this QTY loop is from <b>one</b> service delivery point              |
| MEA*AN*PRQ*1281*HH/ | Consumption reported is actual; quantity measured is <b>1,281</b> ; unit is <b>CCF</b> |
| DTM*150*20000629/   | Measurement period <b>start date</b> for this QTY loop                                 |
| DTM*151*20000731/   | Measurement period <b>end date</b> for this QTY loop                                   |
| QTY*FL*1/           | Historic usage in this QTY loop is from <b>one</b> service delivery point              |
| MEA*AN*PRQ*1211*HH/ | Consumption reported is actual; quantity measured is <b>1,211</b> ; unit is <b>CCF</b> |
| DTM*150*20000531/   | Measurement period <b>start date</b> for this QTY loop                                 |
| DTM*151*20000629/   | Measurement period <b>end date</b> for this QTY loop                                   |
| QTY*FL*1/           | Historic usage in this QTY loop is from <b>one</b> service delivery point              |
| MEA*AN*PRQ*1524*HH/ | Consumption reported is actual; quantity measured is <b>1,524</b> ; unit is <b>CCF</b> |
| DTM*150*20000501/   | Measurement period <b>start date</b> for this QTY loop                                 |
| DTM*151*20000531/   | Measurement period <b>end date</b> for this QTY loop                                   |
| QTY*FL*1/           | Historic usage in this QTY loop is from <b>one</b> service delivery point              |
| MEA*AN*PRQ*2822*HH/ | Consumption reported is actual; quantity measured is <b>2,822</b> ; unit is <b>CCF</b> |
| DTM*150*20000321/   | Measurement period <b>start date</b> for this QTY loop                                 |
| DTM*151*20000501/   | Measurement period <b>end date</b> for this QTY loop                                   |
| QTY*FL*1/           | Historic usage in this QTY loop is from <b>one</b> service delivery point              |

***Response to Request for Historic Usage for GAS Includes Additional Information - Continued***

|                     |   |
|---------------------|---|
| MEA*AN*PRQ*3418*HH/ | Consumption reported is actual; quantity measured is <b>3,418</b> ; unit is <b>CCF</b>            |
| DTM*150*20000302/   | Measurement period <b>start date</b> for this QTY loop  |
| DTM*151*20000331/   | Measurement period <b>end date</b> for this QTY loop  |
| PTD*FG*OZ*GAS/      | Additional Information  |
| REF*ON*E/           | Customer Supply Status  |
| REF*TX*Y/           | Utility Tax Exempt Status   |
| SE*59*0008/         | Transaction set trailer; segment count; control number assigned by originator of this transaction |

***Response to Request for Historic Usage with only Additional Information***

|  |   |
|--|---|
| ST*867*0008/                             | Transaction Set header; transaction defined is an <b>867</b> ; control number assigned by originator  |
| BPT*52*2001062730326001*20010627*DD/     | Transaction is a <b>Response to Historical Inquiry</b> ; Unique id number for this transaction; transaction creation date; Report type is <b>Historic Usage</b> |
| N1*SJ*AMERADA HESS*1*006977763/          | ESCO Name and DUNS number   |
| N1*8S*CON EDISON*1*006982359/            | Utility Name and DUNS number  |
| N1*8R*NAME/                              | Customer Name   |
| N4*FLUSHING*NY*11355-2426**TX*8009/      | Customer's City, State, Postal Code and Current Tax District Code   |
| REF*12*233939360100025/                  | Utility assigned account number for the customer  |
| PTD*FG*OZ*EL/                            | Additional Information  |
| REF*ON*E/                                | Customer Supply Status  |
| REF*TX*Y/                                | Utility Tax Exempt Status   |
| REF*TDT*C/                               | Account Settlement Indicator (Electric)   |
| QTY*KZ*476*K1/                           | ICAP  |
| <u>DTM*007****RD8*20140601-20150531/</u> | <u>ICAP Effective Dates</u>   |
| QTY*9N*1/                                | Number of Meters  |
| REF*MG*12345/                            | Meter Number  |
| SE*59*0008/                              | Transaction set trailer; segment count; control number assigned by originator of this transaction   |