# New York Implementation Standard

### For **Standard Electronic Transactions**

TRANSACTION SET

## **867** Consumption History/Gas Profile

Ver/Rel 004010

October 23, 2014 Version 1.2

| 1 | 11 807 Consumption This  | Summary of Changes  |
|---|--------------------------|---|
|   | <b>L</b> 1 <b>D</b> 2001 | Summary of Changes  |
|   | July 20, 2001            | Initial Release   |
|   | Version 1.0              |   |
|   | August 23, 2001          | Errata Notice Issued  |
|   |                          | MEA07 element was deleted from PTD Loop where PTD01=BC  |
|   |                          | (Unmetered Usage) in the corresponding 867HU data dictionary.   |
|   | March 17, 2004           | Version 1.1 Issued  |
|   | Version 1.1              |   |
|   |                          | • 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<br>Tetal Energy), 80 (Low Tension Primery Demond), 00 (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).  |
|   |                          | • Notes were added to clarify the use of codes 41 (Off Peak), 42 (On Peak)  |
|   |                          | and 51 (Total) by Consolidated Edison of New York   |
|   |                          | • Notes regarding the attributes of "R" elements were added to the Front  |
|   |                          | Matter notes.   |
|   |                          | • Use of the QTY*99 was corrected from 'Required' to 'Conditional'.   |
|   | October 23, 2014         | Version 1.2 Issued  |
|   | Version 1.2              |   |
|   | V 0151011 1.2            | • The PTD*FG (Additional Information) loop was added to include   |
| 1 |                          | REF*0N (Customer Shopping Status), REF*IJ (SIC/NAISCIndustrial  |
|   |                          |   |
|   |                          | Classification Code), REF*TX (Utility Tax Exempt Status), REF*ZV  |
|   |                          | (Block on Account), REF*TDT (Account Settlement Indicator),   |
|   |                          | REF*YP (NYPA/ReCharge New York), REF*SG (Utility Discount),   |
|   |                          | QTY*KZ (ICAP Tag), QTY*9N (Number of Meters) and REF*MG   |
|   |                          | (Meter Number).   |
|   |                          | This loop is used when data is available from the utility. This loop is sent  |
|   |                          | when there is no historical usage available if the utility has any of these data  |
|   |                          | available for the ESCO.   |
|   |                          | Utility specific notes are generalized, as appropriate, and designated for  |
|   |                          | relocation to/reference within Utility Maintained EDI Guides, as necessary.   |
|   |                          | <b>`</b>  |

|   | Notes pertaining to the use of this document Replaced references to Marketer and E/M with ESCO. |
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|---|--------------------------------------|---|
|   | Purpose                              | <ul> <li>Notes pertaining to the use of this document</li> <li>This 867 Transaction Set is used to return Historic Usage or Gas Profile<br/>information in response to an 814 Consumption History/Gas Profile<br/>Request or to a secondary request for history/gas profile data sent in an<br/>814 Enrollment Request transaction. These standards are based on the<br/>ASC X12 Ver/Rel 004010 standard and related UIG guidelines.</li> </ul>   |
|   | One account/one<br>commodity per 867 | • Each response will contain up to 12 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 E/MESCO 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.  |
|   | All meters per<br>account            | • When an E/MESCO 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.   |
|   | Historic usage                       | • 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 12 months, or life of the account, whichever is shorter. The gas profile data is a weather normalized forecast for a 12 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. |
|   | Interval Data                        | • 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.   |
|   | Fees                                 | • Fees may be assessed for requests for consumption history. When requesting history, the <u>E/MESCO</u> must indicate a willingness to pay a fee. No 867 will be returned if the 814 request was rejected for fees. Refer to the Notes section of the Implementation Guides for the 814 Enrollment Request and Response and the 814 Consumption History Request and Response or the Usage Business Process – Historical document for the procedures for handling fees.   |

| Description of PTD<br>Loops | <ul> <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 contains the gas profile data. The profile data will be sent in multiple PTD*SM loops – one for each forecast month and optionally, one for an Annual Period. 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<br>Attributes  | • 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.   |
| Definitions                 | <ul> <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/Marketer 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:</li> <li>The end-use customer (Code 8R)</li> <li>The Utility (LDC) (Code 8S)</li> <li>The Supplier (ESCO/Marketer or E/M) (Code SJ).</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<br>Documents      | <ul> <li>All of the applicable business rules for New York are not necessarily<br/>documented in this implementation guide. Accordingly, the Usage<br/>Business Processes – Historical document and the data dictionary for<br/>the TS867 Consumption History/Gas Profile should be reviewed where<br/>further clarification is needed.</li> </ul>   |

| Position:<br>Loop:<br>Level:<br>Usage:<br>Max Use:<br>Purpose:<br>Syntax Notes:<br>Semantic Notes:<br>Comments:<br>Notes: | REF Reference Identification<br>030<br>LIN Optional<br>Detail<br>Optional<br>>1<br>To specify identifying information<br>1 At least one of REF02 or REF03 is required<br>2 If either C04003 or C04004 is present, then<br>3 If either C04005 or C04006 is present, then<br>1 REF04 contains data relating to the value of<br>Account numbers will only contain uppercase<br>letters (A to Z) and digits (0 to 9). Note that | the other is required.<br>the other is required.<br>tited in REF02.<br>This section displays the NY Rules |
|---|---|---|
|   | punctuation (spaces, dashes, etc.) must be  | for implementation of this segment.   |
|   | excluded, and leading and trailing zeros that are part of the account number must be present.   |   |
|   | Request: Required   |   |
|   | Accept Response: Required<br>Reject Response: Required unless account   |   |
|   | number was not provided on the request.   |   |
|   | REF*12*2931839200   | One or more examples.   |
|   | Data Element Sumr   | nary  |
| Ref.  | Data  |   |
|   | <u>Clement</u> <u>Name</u>  | X12 Attributes  |
| Mand. REF01<br>◀  | 128 Reference Identification Qualifier<br>Codequalifying the Reference Identif  | M ID 2/3  |
|   | 12 Billing Account  |   |
|   |   | account number for the customer.  |
| Must Use <b>REF02</b>   | 127 Reference Identification  | X _AN 1/30  |
| 1 1   |   | a particular Transaction Set or as specified  |
|   | by the Reference Identification Qualit  | fier  |
| This column documents   | These are X12 code descriptions,  | These columns show the X12 attributes for each  |
| differences between X12 and   | -   | data element:   |
| NY use for each data  | access functions/descriptions.  |   |
| element within a segment.   | In these guides the meaning of codes  | M = Mandatory   |
| Mand. = X12 Required  | has been changed to correspond to   | O = Optional  |
| Must Use = NY Required  | retail access transactions as needed.   | X = Conditional   |
| <b>Optional</b> = NY Optional   |   |   |
| <b>Cond</b> . = NY Conditional  |   | AN = Alphanumeric   |
| L   |   | N# = Implied Decimal  |
|   |   | ID = Identification   |
|   |   | $\mathbf{R} = \mathbf{Real}$  |
|   |   | DT = Date (CCYYMMDD)  |
|   |   |   |
|   |   | 1/30 = Minimum 1, Maximum 30  |

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### 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<br><u>No.</u><br>4 | <b>Pos.</b><br><u>No.</u><br>010 | Seg.<br><u>ID</u><br>ST | <u>Name</u><br>Transaction Set Header                         | Req.<br><u>Des.</u><br>M | <u>Max.Use</u><br>1 | Loop<br><u>Repeat</u> | Notes and<br><u>Comments</u> |
|---|-------------------------|----------------------------------|-------------------------|---|--------------------------|---------------------|-----------------------|------------------------------|
|   | 5                       | 020                              | BPT                     | Beginning Segment for Product Transfer and Resale             | М                        | 1                   |                       |                              |
| 1 | 6                       | 080                              | N1                      | LOOP ID - N1<br>Name (ESCO/ <del>Marketer</del> )             | 0                        | 1                   | 1                     |                              |
|   |                         |                                  |                         | LOOP ID - N1  |                          |                     | 1                     |                              |
|   | 7                       | 080                              | N1                      | Name (Utility)  | 0                        | 1                   |                       |                              |
|   |                         |                                  |                         | LOOP ID - N1  |                          |                     | 1                     |                              |
|   | 8                       | 080                              | N1                      | Name (Customer)   | 0                        | 1                   |                       |                              |
|   | 9                       | 100                              | N3                      | Address Information (Service Address)                         | 0                        | 1                   |                       |                              |
|   | 10                      | 110                              | N4                      | Geographic Location (Service Address)                         | 0                        | 1                   |                       |                              |
|   | 11                      | 120                              | REF                     | Reference Identification (Utility Account Number)             | 0                        | 1                   |                       |                              |
|   | 12                      | 120                              | REF                     | Reference Identification (Previous Utility<br>Account Number) | 0                        | 1                   |                       |                              |

#### **Detail:**

| Page<br><u>No.</u> | Pos.<br><u>No.</u> | Seg.<br><u>ID</u> | Name  | Req.<br><u>Des.</u> | <u>Max.Use</u> | Loop<br><u>Repeat</u> | Notes and<br><u>Comments</u> |
|--------------------|--------------------|-------------------|---|---------------------|----------------|-----------------------|------------------------------|
|                    |                    |                   | LOOP ID - PTD   |                     |                | >1                    |                              |
| 13                 | 010                | PTD               | Product Transfer and Resale Detail (Metered Summary)  | 0                   | 1              |                       |                              |
| 14                 | 030                | REF               | Reference Identification (Utility Rate Service Class) | 0                   | 1              |                       |                              |
| 15                 | 030                | REF               | Reference Identification (Rate Sub Class)             | 0                   | 1              |                       |                              |
| 16                 | 030                | REF               | Reference Identification (Load Profile)               | 0                   | 1              |                       |                              |
|                    |                    |                   | LOOP ID - QTY   |                     |                | >1                    |                              |
| 17                 | 110                | QTY               | Quantity  | 0                   | 1              |                       |                              |
| 18                 | 160                | MEA               | Measurements  | 0                   | 40             |                       |                              |
| 20                 | 210                | DTM               | Date/Time Reference (Period Start Date)               | 0                   | 1              |                       |                              |
| 21                 | 210                | DTM               | Date/Time Reference (Period End Date)                 | 0                   | 1              |                       |                              |

|          |            |          | LOOP ID - PTD   |   |    | × 1 |   |
|----------|------------|----------|---|---|----|-----|---|
| 22       | 010        | PTD      | Product Transfer and Resale Detail                              | 0 | 1  | >1  |   |
| 22       | 010        | ПD       | (Unmetered Usage)   | 0 | 1  |     |   |
| 23       | 030        | REF      | Reference Identification (Utility Rate Service                  | 0 | 1  |     |   |
| 24       | 030        | REF      | Class)<br>Reference Identification (Rate Sub Class)             | 0 | 1  |     |   |
| 25       | 030        | REF      | Reference Identification (Load Profile)                         | 0 | 1  |     |   |
|          |            |          | LOOP ID - QTY   |   |    | >1  |   |
| 26       | 110        | QTY      | Quantity  | 0 | 1  |     |   |
| 27       | 160        | MEA      | Measurements  | 0 | 1  |     |   |
| 28       | 210        | DTM      | Date/Time Reference (Period Start Date)                         | 0 | 1  |     |   |
| 29       | 210        | DTM      | Date/Time Reference (Period End Date)                           | 0 | 1  |     |   |
|          |            |          | LOOP ID - PTD   |   |    | >1  |   |
| 30       | 010        | PTD      | Product Transfer and Resale Detail (Metered Consumption Detail) | 0 | 1  |     |   |
| 31       | 030        | REF      | Reference Identification (Meter Number)                         | 0 | 1  |     |   |
| 32       | 030        | REF      | Reference Identification (Utility Rate Service                  | 0 | 1  |     |   |
| 22       | 020        | DEE      | Class)  | 0 | 1  |     |   |
| 33       | 030        | REF      | Reference Identification (Rate Sub Class)                       | 0 | 1  |     |   |
| 34       | 030        | REF      | Reference Identification (Load Profile)<br>LOOP ID - QTY        | 0 | 1  | × 1 |   |
| 35       | 110        | QTY      | Quantity  | 0 | 1  | >1  |   |
| 35<br>36 | 110<br>160 | MEA      | Measurements  | 0 | 40 |     |   |
| 38       | 210        | DTM      | Date/Time Reference (Period Start Date)                         | 0 | 1  |     |   |
| 39       | 210        | DTM      | Date/Time Reference (Period End Date)                           | 0 | 1  |     |   |
| •        |            |          | · · · · · · · · · · · · · · · · · · ·                           |   | _  | 1   |   |
| 40       | 010        | PTD      | LOOP ID - PTD<br>Product Transfer and Resale Detail (Gas        | 0 | 1  | 1   |   |
| 40       | 010        | FID      | Profile Factors)  | 0 | 1  |     |   |
| 41       | 020        | DTM      | Date/Time Reference (Profile Period Start Date)                 | 0 | 1  |     |   |
| 42       | 020        | DTM      | Date/Time Reference (Date Customer Initiated                    | 0 | 1  |     |   |
| 43       | 030        | REF      | Service)<br>Reference Identification (Utility Rate Service      | 0 | 1  |     |   |
| 44       | 030        | REF      | Class)<br>Reference Identification (Rate Sub Class)             | 0 | 1  |     |   |
|          | 050        | KLI      | LOOP ID - QTY   | 0 | 1  | 1   |   |
| 45       | 110        | QTY      | Quantity (Base)   | 0 | 1  | 1   |   |
| 10       | 110        | <b>X</b> |   | 0 | •  | 1   |   |
| 10       | 110        | OTV      | LOOP ID - QTY   | 0 | 1  | 1   |   |
| 46       | 110        | QTY      | Quantity (Slope)  | 0 | 1  |     |   |
|          |            |          | LOOP ID - QTY   |   |    | 1   |   |
| 47       | 110        | QTY      | Quantity (Load Factor)  | 0 | 1  |     |   |
|          |            |          | LOOP ID - QTY   |   |    | 1   |   |
| 48       | 110        | QTY      | Quantity (UFG Rate)   | 0 | 1  |     |   |
|          |            |          | LOOP ID - QTY   |   |    | 1   |   |
| 49       | 110        | QTY      | Quantity (Maximum Delivery)                                     | 0 | 1  |     |   |
|          |            |          | LOOP ID - PTD   |   |    | 13  |   |
| 50       | 010        | PTD      | Product Transfer and Resale Detail (Gas                         | 0 | 1  | 15  |   |
| 20       | 010        | 115      | Profile Data)   | 0 | -  |     |   |
| 51       | 020        | DTM      | Date/Time Reference (Report Month)                              | 0 | 1  |     |   |
| 52       | 020        | DTM      | Date/Time Reference (Annual Period)                             | 0 | 1  |     |   |
|          |            |          | LOOP ID - QTY   |   |    | 1   |   |
| 53       | 110        | QTY      | Quantity (Projected Usage - Normal)                             | 0 | 1  |     |   |
|          |            |          | LOOP ID - QTY   |   |    | 1   |   |
| 54       | 110        | QTY      | Quantity (Projected Monthly Usage)                              | 0 | 1  |     |   |
|          |            |          | LOOP ID - QTY   |   |    | 1   |   |
| 55       | 110        | QTY      | Quantity (Projected Delivery - Normal)                          | 0 | 1  |     |   |
|          |            |          |   |   |    |     | J |

| 56 | 110 | QTY | LOOP ID - QTY<br>Quantity (Projected Monthly Delivery<br>Quantity) | 0 | 1 | 1 |  |
|----|-----|-----|--|---|---|---|--|
| 57 | 110 | QTY | LOOP ID - QTY<br>Quantity (Projected Daily Delivery Quantity)      | 0 | 1 | 1 |  |
| 58 | 110 | QTY | LOOP ID - QTY<br>Quantity (Projected Usage - Design)               | 0 | 1 | 1 |  |
| 59 | 110 | QTY | LOOP ID - QTY<br>Quantity (Projected Delivery - Design)            | 0 | 1 | 1 |  |
| 60 | 110 | QTY | LOOP ID - QTY<br>Quantity (Projected Balancing Use)                | 0 | 1 | 1 |  |
| 61 | 140 | AMT | Monetary Amount (Projected Swing Charges)                          | 0 | 1 |   |  |

#### **Summary:**

| Page             | Pos.              | Seg.            |  | Req.             |         | Loop          | Notes and |
|------------------|-------------------|-----------------|--|------------------|---------|---------------|-----------|
| <u>No.</u><br>62 | <u>No.</u><br>030 | <u>ID</u><br>SE | <u>Name</u><br>Transaction Set Trailer | <u>Des.</u><br>M | Max.Use | <u>Repeat</u> | Comments  |
| E-1              | 050               | SL              | Examples                               | 141              | 1       |               |           |

#### **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 loop is sent by utilities that support gas profiles in response to requests for gas profile data.

|       | Segment:            | ST т  | ransaction Set Header  |      |               |  |  |  |  |
|-------|---------------------|---|--|------|---------------|--|--|--|--|
|       | <b>Position:</b>    | 010   | 010  |      |               |  |  |  |  |
|       | Loop:               |   |  |      |               |  |  |  |  |
|       | Level:              | Heading   |  |      |               |  |  |  |  |
|       | Usage:              | Mandato   | ry   |      |               |  |  |  |  |
|       | Max Use:            | 1   |  |      |               |  |  |  |  |
|       | <b>Purpose:</b>     | To indica   | ate the start of a transaction set and to assign a control number  |      |               |  |  |  |  |
| Syn   | tax Notes:          |   |  |      |               |  |  |  |  |
| Sema  | ntic 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). |  |      |               |  |  |  |  |
| 0     | Comments:           |   |  |      |               |  |  |  |  |
|       | Notes:              | Required  |  |      |               |  |  |  |  |
|       |                     | ST~867~   |  |      |               |  |  |  |  |
|       | Ref.                | Data  | Data Element Summary   |      |               |  |  |  |  |
|       | Des.                | <u>Element</u>  | Name   | Attı | ributes       |  |  |  |  |
| Mand. | <u>Des.</u><br>ST01 | <u>143</u>  | Transaction Set Identifier Code  | M    | ID 3/3        |  |  |  |  |
| manu. | 5101                | 145   | 867 Product Transfer and Resale Report   | 171  | 10 5/5        |  |  |  |  |
| Mand. | ST02                | 329   | Transaction Set Control Number   | Μ    | AN 4/9        |  |  |  |  |
|       |                     |   | This control number uniquely identifies the transaction set de<br>and it's corresponding SE segment within a functional group. |      | ed by this ST |  |  |  |  |

|          | Segment:         | BPT                     | Beginning Segmen                   | t for Product Transfer and Resale              |         |                   |        |
|----------|------------------|-------------------------|------------------------------------|--|---------|-------------------|--------|
|          | <b>Position:</b> | 020                     |                                    |  |         |                   |        |
|          | Loop:            |                         |                                    |  |         |                   |        |
|          | Level:           | Heading                 |                                    |  |         |                   |        |
|          | Usage:           | Mandato                 | ry                                 |  |         |                   |        |
|          | Max Use:         | 1                       |                                    |  |         |                   |        |
|          | Purpose:         | To indica<br>identifyii |                                    | he Product Transfer and Resale Report T        | ransad  | ction Set and tra | ansmit |
|          | tax Notes:       | 1 If ei                 | ther BPT05 or BPT06                | 5 is present, then the other is required.      |         |                   |        |
| Seman    | tic Notes:       |                         | 02 identifies the trans            |  |         |                   |        |
|          |                  |                         | 03 identifies the trans            |  |         |                   |        |
|          |                  |                         | 08 identifies the trans            |  |         |                   |        |
|          |                  | 4 BPT                   | 09 is used when it is              | necessary to reference a Previous Report       | Num     | ber.              |        |
| C        | omments:         | -                       |                                    |  |         |                   |        |
|          | Notes:           | Required                | 1                                  |  |         |                   |        |
|          |                  | BPT~52                  | ~2001062730326001                  | ~20010627~DD                                   |         |                   |        |
|          |                  |                         |                                    |  |         |                   |        |
|          |                  | _                       | Data 1                             | Element Summary                                |         |                   |        |
|          | Ref.             | Data                    | N7                                 |  | • • •   |                   |        |
| Maad     | Des.             | Element                 | <u>Name</u><br>Transmission Set De |  |         | ributes           |        |
| Mand.    | BPT01            | 353                     | Transaction Set Pu                 | -  | M       | ID 2/2            |        |
|          |                  |                         | 52                                 | Response to Historical Inquiry                 |         |                   |        |
|          |                  |                         |                                    | Response to a request for consumption profile. | histor  | ry or gas         |        |
| Must Use | BPT02            | 127                     | <b>Reference Identific</b>         | ation  | 0       | AN 1/30           |        |
| Mand.    | BPT03            | 373                     | Date                               |  | Μ       | DT 8/8            |        |
|          |                  |                         | This is the date that              | the transaction was created by the sende       | r's apr | olication         |        |
|          |                  |                         | system.                            | · · · · · · · · · · · · · · · · · · ·          |         |                   |        |
| Must Use | BPT04            | 755                     | Report Type Code                   |  | 0       | ID 2/2            |        |
|          |                  |                         | 41                                 | Statistical Model                              |         |                   |        |
|          |                  |                         |                                    | Gas Profile                                    |         |                   |        |
|          |                  |                         | DD                                 | Distributor Inventory Report                   |         |                   |        |
|          |                  |                         |                                    | Historic Usage                                 |         |                   |        |
|          |                  |                         |                                    |  |         |                   |        |

|          | Segment:           | N1 N  | Jame (FSCO/Marke                           | tor)  |        |                |  |  |  |
|----------|--------------------|---|--|---|--------|----------------|--|--|--|
|          | Position:          | N1 Name (ESCO <del>/Marketer</del> )<br>080   |  |   |        |                |  |  |  |
|          | Loop:              |   |  |   |        |                |  |  |  |
|          | Level:             | Heading   | optional (Must 030)                        |   |        |                |  |  |  |
|          | Usage:             |   | (Must Use)                                 |   |        |                |  |  |  |
|          | Max Use:           | 1   |  |   |        |                |  |  |  |
|          | <b>Purpose:</b>    | To ident  | ify a party by type of                     | organization, name, and code  |        |                |  |  |  |
| Synt     | ax Notes:          | 1 At le   | east one of N102 or N                      | V103 is required.   |        |                |  |  |  |
|          |                    | 2 If ei   | ther N103 or N104 is                       | present, then the other is required.  |        |                |  |  |  |
| Seman    | tic Notes:         |   |  |   |        |                |  |  |  |
| C        | omments:<br>Notes: | <ol> <li>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>N105 and N106 further define the type of entity in N101.</li> <li>Required</li> <li>N1~SJ~24~163456789</li> </ol> |  |   |        |                |  |  |  |
|          |                    |   | Data                                       | Element Summary   |        |                |  |  |  |
|          | Ref.               | Data  |  |   |        |                |  |  |  |
|          | Des.               | <u>Element</u>  | <u>Name</u>                                |   | Att    | <u>ributes</u> |  |  |  |
| Mand.    | N101               | 98  | Entity Identifier C                        |   | Μ      | ID 2/3         |  |  |  |
|          |                    |   | SJ   | Service Provider  |        |                |  |  |  |
|          |                    |   |  | Identifies the ESCO <del>/Marketer</del> participa<br>transaction.  | ting i | n this         |  |  |  |
|          | N102               | 93  | Name                                       |   | Х      | AN 1/60        |  |  |  |
|          |                    |   | Supplemental text in identification of the | <b>Harketer</b> Company Name<br>Information supplied, if desired, to provide<br>ESCO <del>/Marketer</del> . It is not necessary for<br>ransaction but may be provided by mutual<br>thers. | succe  | ssful          |  |  |  |
|          | N100               | ((  |  |   | v      | ID 1/2         |  |  |  |
| Must Use | N103               | 66  | Identification Cod                         | -   | X      | ID 1/2         |  |  |  |
|          |                    |   | 1  | D-U-N-S Number, Dun & Bradstreet  |        |                |  |  |  |
|          |                    |   | 9  | D-U-N-S+4, D-U-N-S Number with Fo   | ur Ch  | aracter Suffix |  |  |  |
|          |                    |   | 24   | Employer's Identification Number  |        |                |  |  |  |
|          |                    |   |  | Federal Tax ID  |        |                |  |  |  |
| Must Use | N104               | 67  | Identification Cod                         | e   | Х      | AN 2/80        |  |  |  |
|          |                    |   | The D-U-N-S numb                           | per or the Federal Tax ID   |        |                |  |  |  |

|                      | Segment:           | N1 N                         | ame (Utility)  |  |             |                          |
|----------------------|--------------------|------------------------------|--|--|-------------|--------------------------|
|                      | Position:          | 080                          |  |  |             |                          |
|                      | Loop:              |                              | Optional (Must Use)  |  |             |                          |
|                      | Level:             | Heading                      | - · · ·  |  |             |                          |
|                      | Usage:             | Optional                     | (Must Use)   |  |             |                          |
|                      | Max Use:           | 1                            |  |  |             |                          |
|                      | <b>Purpose:</b>    |                              |  | organization, name, and code   |             |                          |
| Synt                 | tax Notes:         |                              | east one of N102 or N  | -  |             |                          |
| a                    |                    | 2 If eit                     | ther N103 or N104 is   | present, then the other is required.   |             |                          |
|                      | tic Notes:         | 1 (51)                       |  |  |             |                          |
| C                    | omments:<br>Notes: | iden<br>mair<br><b>2</b> N10 | tification. To obtain t<br>ntained by the transac<br>5 and N106 further de | , provides the most efficient method of pr<br>his efficiency the "ID Code" (N104) mus<br>tion processing party.<br>efine the type of entity in N101.                                 |             |                          |
|                      | notes:             | Required                     | ~1~006994708   |  |             |                          |
|                      |                    |                              |  |  |             |                          |
|                      | Ref.               | Data                         | Data   | Element Summary  |             |                          |
|                      | Des.               | Element                      | <u>Name</u>  |  |             | ributes                  |
| Mand.                | N101               | 98                           | Entity Identifier C  |  | Μ           | ID 2/3                   |
|                      |                    |                              | 8S   | Consumer Service Provider (CSP)  |             |                          |
|                      |                    |                              |  | Identifies the Utility participating in this   |             |                          |
|                      | N102               | 93                           | Name   |  | Х           | AN 1/60                  |
|                      |                    |                              | Free Form Utility C  | ompany Name  |             |                          |
|                      |                    |                              |  | nformation that may be supplied to provid<br>Utility. It is not necessary for successful   |             |                          |
|                      |                    |                              |  | be provided by mutual agreement betwee   |             |                          |
| Must Use             | N103               | 66                           |  | be provided by mutual agreement betwee   |             |                          |
| Must Use             | N103               | 66                           | transaction but may  | be provided by mutual agreement betwee   | n tra       | ding partners.           |
| Must Use             | N103               | 66                           | transaction but may  | be provided by mutual agreement betwee<br>e Qualifier  | en tra<br>X | ding partners.<br>ID 1/2 |
| Must Use             | N103               | 66                           | transaction but may<br>Identification Code<br>1                            | be provided by mutual agreement betwee<br>e Qualifier<br>D-U-N-S Number, Dun & Bradstreet<br>D-U-N-S+4, D-U-N-S Number with Fo   | en tra<br>X | ding partners.<br>ID 1/2 |
| Must Use             | N103               | 66                           | transaction but may<br>Identification Code<br>1<br>9                       | be provided by mutual agreement betwee<br>e Qualifier<br>D-U-N-S Number, Dun & Bradstreet<br>D-U-N-S+4, D-U-N-S Number with Fo<br>Employer's Identification Number                   | en tra<br>X | ding partners.<br>ID 1/2 |
| Must Use<br>Must Use | N103<br>N104       | 66<br>67                     | transaction but may<br>Identification Code<br>1<br>9                       | be provided by mutual agreement betwee<br>e Qualifier<br>D-U-N-S Number, Dun & Bradstreet<br>D-U-N-S+4, D-U-N-S Number with Fo<br>Employer's Identification Number<br>Federal Tax ID | en tra<br>X | ding partners.<br>ID 1/2 |

|          | Segment:        | N1 N         | ame (Custo                                  | mar)  |                                    |                                       |
|----------|-----------------|--------------|---|---|------------------------------------|---------------------------------------|
|          | Position:       | 080          | ame (Custo                                  | iner)   |                                    |                                       |
|          | Loop:           |              | Optional (Mu                                | st Use)   |                                    |                                       |
|          | Loop.<br>Level: | Heading      | Sphonal (Mu                                 | 51 ( 50)  |                                    |                                       |
|          | Usage:          |              | (Must Use)                                  |   |                                    |                                       |
|          | Max Use:        | 1            | (muse ese)                                  |   |                                    |                                       |
|          | Purpose:        | -            | ifv the custor                              | ner in this transaction.  |                                    |                                       |
|          | ax Notes:       |              |   | 102 or N103 is required.  |                                    |                                       |
| 2        |                 |              |   | N104 is present, then the other is requir   | red.                               |                                       |
| Seman    | tic Notes:      |              |   | 1 / 1   |                                    |                                       |
| C        | omments:        | iden<br>mair | tification. To trained by the               | ed alone, provides the most efficient met<br>obtain this efficiency the "ID Code" (N<br>e transaction processing party.<br>further define the type of entity in N101.   | (104) must prov                    | 5 5                                   |
|          | Notes:          | Required     |   |   |                                    |                                       |
|          |                 | requirem     | ents.<br>MARY SMI                           | uired, an N1 segment must also be sent t<br>ГН  | o comply with                      | X12                                   |
|          |                 |              |   | Data Element Summary  |                                    |                                       |
|          | Ref.            | Data         |   |   |                                    |                                       |
|          | Des.            | Element      | <u>Name</u>                                 |   |                                    | <u>ributes</u>                        |
| Mand.    | N101            | 98           | -   | ntifier Code  | Μ                                  | ID 2/3                                |
|          |                 |              | 8R  | Consumer Service Provider (C  | CSP) Customer                      |                                       |
|          |                 |              |   | Identify the end use customer transaction.  | targeted by thi                    | s                                     |
| Must Use | N102            | 93           | Name  |   | Х                                  | AN 1/60                               |
|          |                 |              | identification<br>the transact<br>partners. | tal text information that may be supplied<br>on of the customer. It is not necessary for<br>ion but may be provided by mutual agre<br>ies may not transmit the actual customer<br>ME' in N102 position to ensure compliant<br>ts. | or successful co<br>eement betweer | ompletion of<br>a trading<br>send the |

| Segment:         | $\mathbf{N3}$ 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:  |   |
| <b>Comments:</b> |   |
| Notes:           | Optional  |
|                  | N3~STREET ADDRESS~OVERFLOW ADDRESS                  |
|                  |   |

#### **Data Element Summary**

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

| :        | Segment:            | <b>N4</b> G         | eographic Location                    | Service Address)   |                                       |                       |  |  |
|----------|---------------------|---------------------|---------------------------------------|--|---------------------------------------|-----------------------|--|--|
|          | Position:           | 110                 |                                       |  |                                       |                       |  |  |
|          | Loop:               | N1 (                | Optional (Must Use)                   |  |                                       |                       |  |  |
|          | Level:              | Heading             | • · ·                                 |  |                                       |                       |  |  |
|          | Usage:              | Optional            | (Must Use)                            |  |                                       |                       |  |  |
| I        | Max Use:            | 1                   |                                       |  |                                       |                       |  |  |
|          | Purpose:            | To specif           | fy the geographic plac                | e of the named party                                       |                                       |                       |  |  |
| Synta    | ax Notes:           | 1 If N <sup>4</sup> | 406 is present, then N4               | 05 is required.  |                                       |                       |  |  |
| Semant   | tic Notes:          |                     |                                       |  |                                       |                       |  |  |
| Co       | omments:            | 1 A co              | mbination of either N                 | 401 through N404, or N405 a                                | and N406 may be                       | adequate to specify a |  |  |
|          |                     | locat               |                                       |  |                                       |                       |  |  |
|          |                     |                     |                                       | ty name (N401) is in the U.S.                              |                                       |                       |  |  |
|          | Notes:              | -                   | · · · · · · · · · · · · · · · · · · · | State (N102), and postal coc<br>(TX) and N406 (Tax Distric | · · · · · · · · · · · · · · · · · · · |                       |  |  |
|          |                     | N4~FLU              | SHING~NY~11355-2                      |  |                                       |                       |  |  |
|          | D.e                 | D-4-                | Data E                                | lement Summary   |                                       |                       |  |  |
|          | Ref.                | Data<br>Element     | Nomo                                  |  | A 44-                                 | ibutes                |  |  |
|          | <u>Des.</u><br>N401 | Element<br>19       | <u>Name</u><br>City Name              |  | $\frac{Att}{0}$                       | AN 2/30               |  |  |
|          | N401                | 156                 | State or Province C                   | a da   | 0                                     | ID 2/2                |  |  |
|          |                     |                     |                                       | oue  |                                       |                       |  |  |
|          | N403                | 116                 | Postal Code                           |  | 0                                     | ID 3/15               |  |  |
| Must Use | N405                | 309                 | Location Qualifier                    |  | Х                                     | ID 1/2                |  |  |
|          |                     |                     | TX                                    | Taxing District  |                                       |                       |  |  |
| Must Use | N406                | 310                 | Location Identifier                   |  | 0                                     | AN 1/30               |  |  |
|          |                     |                     | State assigned civil c<br>is located. | ivision code for the tax distri                            | ct where the cust                     | omer service          |  |  |

|          | Segment:                         | REF                     | Reference Identification (Utility Account Number)   |                               |  |  |  |  |
|----------|----------------------------------|-------------------------|---|-------------------------------|--|--|--|--|
|          | Position:                        | 120                     | 120   |                               |  |  |  |  |
|          | Loop:                            | N1 (                    | Optional (Must Use)   |                               |  |  |  |  |
|          | Level:                           | Heading                 |   |                               |  |  |  |  |
|          | Usage:                           | Optional                | (Must Use)  |                               |  |  |  |  |
|          | Max Use:                         | 1                       |   |                               |  |  |  |  |
|          | Purpose:                         | To specif               | y identifying information   |                               |  |  |  |  |
| Synt     | ax Notes:                        | 1 At le                 | ast one of REF02 or REF03 is required.  |                               |  |  |  |  |
|          | tic Notes:<br>omments:<br>Notes: | ents:<br>otes: Required |   |                               |  |  |  |  |
|          |                                  | КЕГ~12                  | 011231287654398   |                               |  |  |  |  |
|          |                                  | _                       | Data Element Summary  |                               |  |  |  |  |
|          | Ref.                             | Data                    | N   | A • <b>T</b>                  |  |  |  |  |
| Mand.    | <u>Des.</u><br>REF01             | Element<br>128          | Name<br>Reference Identification Qualifier  | <u>Attributes</u><br>M ID 2/3 |  |  |  |  |
| Ivianu.  | <b>KEFUI</b>                     | 120                     | -   | M 1D 2/3                      |  |  |  |  |
|          |                                  |                         | 12 Billing Account  |                               |  |  |  |  |
|          |                                  |                         | REF02 is the Utility-assigned account r customer.   | number for the                |  |  |  |  |
| Must Use | REF02                            | 127                     | Reference Identification  | X AN 1/30                     |  |  |  |  |
|          |                                  |                         | Utility assigned customer account number  |                               |  |  |  |  |
|          |                                  |                         | The utility account number must be supplied without intervening spaces or non-<br>alphanumeric characters. (Characters added to aid in visible presentation on a<br>bill, for example, should be removed) |                               |  |  |  |  |

| Se       | egment: <b>R</b> ]   | <b>EF</b> Reference Ident | tification (Previous Utility Accou            | nt Number)              |  |  |  |
|----------|----------------------|---------------------------|---|-------------------------|--|--|--|
| Р        | <b>Position:</b> 120 |                           |   |                         |  |  |  |
|          | Loop: N1             | Optional (Must Use        | )   |                         |  |  |  |
|          | Level: Head          | · ·                       | ,<br>,  |                         |  |  |  |
|          |                      | onal                      |   |                         |  |  |  |
| Μ        | ax Use: 1            |                           |   |                         |  |  |  |
| Р        | urpose: To s         | pecify identifying inform | mation  |                         |  |  |  |
|          | -                    | At least one of REF02 of  |   |                         |  |  |  |
| ·        |                      |                           | 1004 is present, then the other is rea        | quired.                 |  |  |  |
|          |                      |                           | 1006 is present, then the other is red        |                         |  |  |  |
| Semantio |                      |                           | lating to the value cited in REF02.           | -                       |  |  |  |
| Con      | nments:              |                           | -   |                         |  |  |  |
|          | Notes: Cond          | ditional                  |   |                         |  |  |  |
|          | Requ                 | uired when the utility as | signed account number for the cust            | omer has changed in the |  |  |  |
|          | last                 | 90 days.                  | -   | -                       |  |  |  |
|          | REF                  | ~45~919413248570597       | 71  |                         |  |  |  |
|          |                      |                           |   |                         |  |  |  |
|          |                      |                           | a Element Summary                             |                         |  |  |  |
|          | Ref. Dat             |                           |   | A 17                    |  |  |  |
| N.C. 1   | Des. Elem            |                           |   | <u>Attributes</u>       |  |  |  |
| Mand.    | REF01 12             |                           | fication Qualifier                            | M ID 2/3                |  |  |  |
|          |                      | 45                        | Old Account Number                            |                         |  |  |  |
|          |                      |                           | REF02 contains the Utility's pro              | evious account number   |  |  |  |
|          |                      |                           | for the customer.                             |                         |  |  |  |
| Must Use | REF02 12             | 7 Reference Identi        | fication                                      | X AN 1/30               |  |  |  |
|          |                      | Previous Utility a        | ccount number for the customer                |                         |  |  |  |
|          |                      |                           | retrous early account number for the customer |                         |  |  |  |
|          |                      |                           |   |                         |  |  |  |
|          |                      | This segment wou          | Ild be sent, for example, when a cha          | ange in meter reading   |  |  |  |

| Segment:         | <b>PTD</b> 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:  |  |
| <b>Comments:</b> |  |
| Notes:           | Conditional<br>Three PTD Loops with codes of BO, BC, or BQ have been provided for transmitting<br>historic usage. Two PTD loops with codes of BG and SM are provided for transmitting<br>gas profile data. The sender must use the correct PTD loop for the type of data being<br>transmitted. For example, do not use PTD*BQ to send unmetered usage information.<br>Data on unmetered service points should be summarized in the PTD*BC loop.<br>The PTD*BO loop is for summarized metered consumption. An account with 12 months<br>of consumption history reported for two metered service end points would be transmitted<br>in one PTD loop but that loop would contain multiple QTY segments - one for each<br>period reported with separate consumption for each unit of measure and daily reported<br>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.<br>PTD~BO~~OZ~EL   |

|          |                              |                               | Data                              | Element Summary   |     |                   |
|----------|------------------------------|-------------------------------|-----------------------------------|---|-----|-------------------|
| Mand.    | Ref.<br><u>Des.</u><br>PTD01 | Data<br><u>Element</u><br>521 | <u>Name</u><br>Product Transfer 7 | Гуре Code   | -   | ributes<br>ID 2/2 |
|          |                              |                               | BO                                | Designated Items  |     |                   |
|          |                              |                               |                                   | Metered Summary<br>This loop contains a summary of the usa<br>metered service points on an account fo<br>type indicated in PTD05. | 0   |                   |
| Must Use | PTD04                        | 128                           | <b>Reference Identific</b>        | cation Qualifier  | Х   | ID 2/3            |
|          |                              |                               | OZ                                | Product Number  |     |                   |
|          |                              |                               |                                   | PTD05 contains a code identifying the c reported in this transaction.   | omm | odity             |
| Must Use | PTD05                        | 127                           | <b>Reference Identific</b>        | cation  | Х   | AN 1/30           |
|          |                              |                               | EL                                | Electric Service  |     |                   |
|          |                              |                               | GAS                               | Gas Service   |     |                   |

#### NY867HU v.1.2 (4010)

|          | Segment:   | REF      | Reference Identifi                                       | cation (Utility Rate Service Class)        |         |               |  |
|----------|------------|----------|--|--|---------|---------------|--|
|          | Position:  | 030      |  |  |         |               |  |
|          | Loop:      | PTD      | Optional (Dependen                                       | t)   |         |               |  |
|          | Level:     | Detail   |  |  |         |               |  |
|          | Usage:     | Optional | (Must Use)   |  |         |               |  |
|          | Max Use:   | 1        |  |  |         |               |  |
|          | Purpose:   | -        | fy identifying informa                                   |  |         |               |  |
| Synt     | ax Notes:  |          | east one of REF02 or                                     | -  |         |               |  |
|          |            |          |  | 04 is present, then the other is required. |         |               |  |
|          |            |          |  | 06 is present, then the other is required. |         |               |  |
|          | tic Notes: | 1 REF    | 04 contains data relat                                   | ing to the value cited in REF02.           |         |               |  |
| C        | omments:   |          |  |  |         |               |  |
|          | Notes:     | Required | l  |  |         |               |  |
|          |            | REF~NH   | I~A001   |  |         |               |  |
|          |            | REF~NH   | I~1150100  |  |         |               |  |
|          |            |          | Data   | Element Summary                            |         |               |  |
|          | Ref.       | Data     |  |  |         |               |  |
|          | Des.       | Element  | Name   |  | Attr    | ibutes        |  |
| Mand.    | REF01      | 128      | Reference Identific                                      | ation Qualifier                            | Μ       | ID 2/3        |  |
|          |            |          | 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 P  | TD loop.      |  |
| Must Use | REF02      | 127      | <b>Reference Identific</b>                               | ation                                      | Х       | AN 1/30       |  |
|          |            |          | · · · · · · · · · · · · · · · · · · ·                    | found in the tariff. (This code can be use | d to re | etrieve rates |  |
|          |            |          | from a utility's web site.)                              |  |         |               |  |

|          | Segment:        | REF  | Reference Identi                        | ication (Rate Sub Class)            |                |                |  |  |
|----------|-----------------|--|---|-------------------------------------|----------------|----------------|--|--|
|          | Position:       | 030  |   |                                     |                |                |  |  |
|          | Loop:           | PTD  | Optional (Depender                      | nt)                                 |                |                |  |  |
|          | Level:          | Detail   |   | ,                                   |                |                |  |  |
|          | Usage:          | Optional   |   |                                     |                |                |  |  |
|          | Max Use:        | 1  |   |                                     |                |                |  |  |
|          | <b>Purpose:</b> | To specif  | fy identifying inform                   | ation                               |                |                |  |  |
| Synt     | tax Notes:      | 1  | east one of REF02 or                    |                                     |                |                |  |  |
|          |                 |  |   | 04 is present, then the other is re | auired.        |                |  |  |
|          |                 |  |   | 06 is present, then the other is re | -              |                |  |  |
| Seman    | tic Notes:      |  |   | ting to the value cited in REF02.   |                |                |  |  |
| С        | omments:        |  |   |                                     |                |                |  |  |
|          | Notes:          | Conditio   | nal                                     |                                     |                |                |  |  |
|          |                 | This segment must be sent if a rate subclass is applicable to the service delivery points<br>summarized in this PTD loop.<br>REF~PR~RSVD<br>REF~PR~NRSVD |   |                                     |                |                |  |  |
|          |                 |  |   |                                     |                |                |  |  |
|          |                 |  | Data                                    | Element Summary                     |                |                |  |  |
|          | Ref.            | Data   |   |                                     |                |                |  |  |
|          | Des.            | <u>Element</u>   | <u>Name</u>                             |                                     | Att            | <u>ributes</u> |  |  |
| Mand.    | REF01           | 128  | <b>Reference Identifi</b>               | cation Qualifier                    | Μ              | ID 2/3         |  |  |
|          |                 |  | PR                                      | Price Quote Number                  |                |                |  |  |
|          |                 |  |   | Utility Rate Subclass               |                |                |  |  |
| Must Use | REF02           | 127  | Reference Identifi                      | •                                   | X              | AN 1/30        |  |  |
|          |                 |  | Provides further cla<br>REF*NH segment. | rification of the Utility Rate Ser  | vice Class spe |                |  |  |

| 111 007 0010 | unpuon mo   | 2               | bruit ite visions for 6/222/2014 inteeding  |                   |  |  |  |  |  |
|--------------|---|-----------------|---|-------------------|--|--|--|--|--|
|              | Segment:  | REF             | Reference Identification (Load Profile)   |                   |  |  |  |  |  |
|              | Position:   | 030             | 030   |                   |  |  |  |  |  |
|              | Loop:   | PTD             | PTD Optional (Dependent)  |                   |  |  |  |  |  |
|              | Level:  | Detail          |   |                   |  |  |  |  |  |
|              | Usage:  | Optional        | (Dependent)   |                   |  |  |  |  |  |
|              | Max Use:  | 1               |   |                   |  |  |  |  |  |
|              | <b>Purpose:</b>   | To speci        | fy identifying information  |                   |  |  |  |  |  |
| Synt         | ax Notes:   | 1 At le         | east one of REF02 or REF03 is required.   |                   |  |  |  |  |  |
| Seman        | <ul> <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> <li>3 If either C04005 or C04006 is present, then the other is required.</li> <li>1 REF04 contains data relating to the value cited in REF02.</li> </ul> |                 |   |                   |  |  |  |  |  |
|              | Notes:  | Load Pro        | Conditional<br>Load Profile codes must be sent when the service is electric (PTD05=EL).<br>REF~LO~L01 |                   |  |  |  |  |  |
|              | <b>D</b> .e   | D-4-            | Data Element Summary  |                   |  |  |  |  |  |
|              | Ref.  | Data<br>Element | Name  | <u>Attributes</u> |  |  |  |  |  |
| Mand.        | <u>Des.</u><br>REF01  | <u>128</u>      |   | M ID 2/3          |  |  |  |  |  |
| Manu.        | KLI VI  | 120             | -   | 1 10 2/5          |  |  |  |  |  |
|              |   |                 |   |                   |  |  |  |  |  |
|              |   |                 | Load Profile  |                   |  |  |  |  |  |
| Must Use     | REF02   | 127             | Reference Identification  | X AN 1/30         |  |  |  |  |  |
|              |   |                 | Utility assigned load profile code. Load profile code definition from the Utility's web site.         | s are accessible  |  |  |  |  |  |

|  | -                    | ОТУ             | 7   |  |       |  |  |  |  |
|--|----------------------|-----------------|---|--|-------|--|--|--|--|
|  | Segment:             | L I V           | Quantity                                    |  |       |  |  |  |  |
|  | Position:            | 110             |   |  |       |  |  |  |  |
|  | Loop:                | QTY             | Optional (Must Use)                         | e)   |       |  |  |  |  |
|  | Level:               | Detail          |   |  |       |  |  |  |  |
|  | Usage:               | Optional        | (Must Use)                                  |  |       |  |  |  |  |
|  | Max Use:             |                 |   |  |       |  |  |  |  |
| <b>Purpose:</b> To specify quantity information. A separate Quantity loop is used for each register or measure type provided by the meter. |                      |                 |   |  |       |  |  |  |  |
| Synt   | tax Notes:           |                 | east one of QTY02 or<br>y one of OTY02 or O | r QTY04 is required.<br>TY04 may be present.   |       |  |  |  |  |
| Seman  | tic Notes:           | •               |   | quantity is non-numeric.   |       |  |  |  |  |
|  | omments:             |                 |   |  |       |  |  |  |  |
| -  | Notes:               | Required        | [   |  |       |  |  |  |  |
|  |                      | -               | .~2 Data is summar                          | rized for 2 meters   |       |  |  |  |  |
|  |                      |                 |   |  |       |  |  |  |  |
|  | Def                  | Data            | Data  | Element Summary  |       |  |  |  |  |
|  | Ref.                 | Data<br>Element | Nomo  | Attributos   |       |  |  |  |  |
| Mand.  | <u>Des.</u><br>QTY01 | Element<br>673  | <u>Name</u><br>Quantity Qualifier           | r <u>Attributes</u><br>M ID 2/2  |       |  |  |  |  |
| Triunu.  | QIIVI                | 010             | FL  | Units  | -     |  |  |  |  |
|  |                      |                 |   | QTY02 contains the number of metered service delive<br>points represented by the summarized data in this PT<br>loop. |       |  |  |  |  |
| Must Use   | QTY02                | 380             | Quantity                                    | X R 1/1  | 5     |  |  |  |  |
|  |                      |                 | Report the number of indicated in the DTI   | of meters represented in the summarized data for the p M segment.  | eriod |  |  |  |  |

| Segment:        | MEA Measurements   |  |  |  |  |  |  |  |  |  |  |
|-----------------|--|--|--|--|--|--|--|--|--|--|--|
| Position:       | 160  |  |  |  |  |  |  |  |  |  |  |
| Loop:           | QTY Optional (Must Use)  |  |  |  |  |  |  |  |  |  |  |
| Level:          | Detail   |  |  |  |  |  |  |  |  |  |  |
| Usage:          | Optional (Must Use)  |  |  |  |  |  |  |  |  |  |  |
| Max Use:        | 40   |  |  |  |  |  |  |  |  |  |  |
| Purpose:        | To specify physical measurements or counts, including dimensions, tolerances, variances, and weights (See Figures Appendix for example of use of C001)   |  |  |  |  |  |  |  |  |  |  |
| Syntax Notes:   | 1 At least one of MEA03 MEA05 MEA06 or MEA08 is required.  |  |  |  |  |  |  |  |  |  |  |
|                 | 2 If MEA05 is present, then MEA04 is required.   |  |  |  |  |  |  |  |  |  |  |
|                 | If MEA06 is present, then MEA04 is required.<br>If MEA07 is present, then at least one of MEA03 MEA05 or MEA06 is required   |  |  |  |  |  |  |  |  |  |  |
|                 | If MEA07 is present, then at least one of MEA03 MEA05 or MEA06 is required.  |  |  |  |  |  |  |  |  |  |  |
|                 | 5 Only one of MEA08 or MEA03 may be present.   |  |  |  |  |  |  |  |  |  |  |
| Semantic Notes: | <b>1</b> MEA04 defines the unit of measure for MEA03, MEA05, and MEA06.  |  |  |  |  |  |  |  |  |  |  |
| Comments:       | 1 When citing dimensional tolerances, any measurement requiring a sign (+ or -), or any  |  |  |  |  |  |  |  |  |  |  |
|                 | measurement where a positive (+) value cannot be assumed, use MEA05 as the negative (-)  |  |  |  |  |  |  |  |  |  |  |
|                 | value and MEA06 as the positive (+) value.   |  |  |  |  |  |  |  |  |  |  |
| Notes:          | Required   |  |  |  |  |  |  |  |  |  |  |
|                 | An MEA segment must be sent for each unit of measure and time interval where time  |  |  |  |  |  |  |  |  |  |  |
|                 | intervals are applicable.  |  |  |  |  |  |  |  |  |  |  |
|                 | MEA~BR~PRQ~10101~KH~~~41 10101 kWh billed off peak use<br>MEA~AN~PRO~12.3~K1~~~51 12.3 kW total recorded demand  |  |  |  |  |  |  |  |  |  |  |
|                 |  |  |  |  |  |  |  |  |  |  |  |
|                 |  |  |  |  |  |  |  |  |  |  |  |
|                 | MEA~AN~PRQ~2.1~K1~~~412.1 kW recorded off peak demandMEA~AN~PRQ~7.3~K1~~~427.3 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   |  |  |  |  |  |  |  |  |  |  |
|                 | The first of the summed from the summed from the summer |  |  |  |  |  |  |  |  |  |  |

|          | D f                          | D (                           |                           | Data Element Summary   |                 |                          |
|----------|------------------------------|-------------------------------|---------------------------|--|-----------------|--------------------------|
| Must Use | Ref.<br><u>Des.</u><br>MEA01 | Data<br><u>Element</u><br>737 | <u>Name</u><br>Measuremen | t Reference ID Code  | <u>Att</u><br>O | <u>ributes</u><br>ID 2/2 |
|          |                              |                               | AN                        | Work   |                 |                          |
|          |                              |                               |                           | Period Actual  |                 |                          |
|          |                              |                               | BR                        | Billed History   |                 |                          |
|          |                              |                               |                           | Use where the utility tariff provides for<br>charges regardless of actual consumpti<br>minimum and the Utility does not retai<br>consumption data. | on bel          | ow the                   |
|          |                              |                               | EN                        | Environmental Conditions   |                 |                          |
|          |                              |                               |                           | Period Estimated   |                 |                          |
| Must Use | MEA02                        | 738                           | Measuremen                | t Qualifier  | 0               | ID 1/3                   |
|          | 11450 CSC 1111102 700        |                               | PRQ                       | Product Reportable Quantity  |                 |                          |
|          |                              |                               |                           | Consumption  |                 |                          |
| Must Use | MEA03                        | 739                           | Measuremen                | t Value  | Х               | R 1/20                   |
|          |                              |                               | Quantity of the           | e consumption for the period indicated in the l  | DTM s           | segment.                 |
| Must Use | MEA04                        | C001                          | Composite U               | nit of Measure   | Х               |                          |
| Mand.    | C00101                       | 355                           | Unit or Basis             | for Measurement Code   | Μ               | ID 2/2                   |
|          |                              |                               |                           | Ccf  |                 |                          |
|          |                              |                               | K1                        | Kilowatt Demand  |                 |                          |
|          |                              |                               | K2                        | Kilovolt Amperes Reactive Demand   |                 |                          |
|          |                              |                               | K3                        | Kilovolt Amperes Reactive Hour   |                 |                          |
|          |                              |                               | K4                        | Kilovolt Amperes   |                 |                          |
|          |                              |                               | K5                        | Kilovolt Amperes Reactive  |                 |                          |
| NNOCTUU  | 1.2 (4010)                   |                               |                           | 10   |                 | 0.4                      |

|     |       |     | K7              | Kilowatt  |
|-----|-------|-----|-----------------|---|
|     |       |     | KH              | Kilowatt Hour   |
|     |       |     | TD              | Therms  |
| ond | MEA07 | 935 | Measurement     | t Significance Code O ID 2/2                                  |
|     |       |     | This element is | s 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   |
|     |       |     | ~ 4             | Summer Off Peak   |
|     |       |     | 74              | Low to Medium   |
|     |       |     | 75              | Summer Intermediate Peak                                      |
|     |       |     | 75              | Low to Moderate<br>Winter Off Peak                            |
|     |       |     | 84              | Good to High  |
|     |       |     | 04              | High Tension On Peak Energy                                   |
|     |       |     | 85              | High  |
|     |       |     | 05              | 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:        | DTN       | <b>I</b> Date/Time Reference (Period Start Date)                         |        |         |  |  |  |
|----------|-----------------|-----------|--|--------|---------|--|--|--|
|          | Position:       | 210       |  |        |         |  |  |  |
|          | Loop:           | QTY       | QTY Optional (Must Use)  |        |         |  |  |  |
|          | Level:          | Detail    | -  |        |         |  |  |  |
|          | Usage:          | Optional  | (Must Use)   |        |         |  |  |  |
|          | Max Use:        | 1         |  |        |         |  |  |  |
|          | <b>Purpose:</b> | To specif | y pertinent dates and times  |        |         |  |  |  |
| Syn      | tax Notes:      | 1 At le   | ast one of DTM02 DTM03 or DTM05 is required.                             |        |         |  |  |  |
|          |                 | 2 If D    | TM04 is present, then DTM03 is required.                                 |        |         |  |  |  |
|          |                 | 3 If eit  | her DTM05 or DTM06 is present, then the other is required.               |        |         |  |  |  |
| Seman    | tic Notes:      |           |  |        |         |  |  |  |
| С        | omments:        |           |  |        |         |  |  |  |
|          | Notes:          | Required  |  |        |         |  |  |  |
|          |                 | DTM~15    | 0~20010315   |        |         |  |  |  |
|          |                 |           |  |        |         |  |  |  |
|          |                 |           | Data Element Summary   |        |         |  |  |  |
|          | Ref.            | Data      |  |        |         |  |  |  |
|          | Des.            | Element   | Name   | Attr   | ributes |  |  |  |
| Mand.    | DTM01           | 374       | Date/Time Qualifier  | Μ      | ID 3/3  |  |  |  |
|          |                 |           | 150 Service Period Start   |        |         |  |  |  |
| Must Use | DTM02           | 373       | Date   | Х      | DT 8/8  |  |  |  |
|          |                 |           | Start date of the period reported in the current QTY loop in t CCYYMMDD. | he for | m       |  |  |  |

|          | Segment:         | DTN       | <b>I</b> Date/Time Reference (Period End Date)                                   |      |         |  |  |  |  |
|----------|------------------|-----------|--|------|---------|--|--|--|--|
|          | <b>Position:</b> | 210       |  |      |         |  |  |  |  |
|          | Loop:            | QTY       | QTY Optional (Must Use)  |      |         |  |  |  |  |
|          | Level:           | Detail    |  |      |         |  |  |  |  |
|          | Usage:           | Optional  | (Must Use)   |      |         |  |  |  |  |
|          | Max Use:         | 1         |  |      |         |  |  |  |  |
|          | Purpose:         | To specif | y pertinent dates and times  |      |         |  |  |  |  |
| Syn      | tax Notes:       | 1 At le   | ast one of DTM02 DTM03 or DTM05 is required.                                     |      |         |  |  |  |  |
|          |                  | 2 If D'   | TM04 is present, then DTM03 is required.   |      |         |  |  |  |  |
|          |                  | 3 If eit  | her DTM05 or DTM06 is present, then the other is required.                       |      |         |  |  |  |  |
| Semar    | tic Notes:       |           |  |      |         |  |  |  |  |
| С        | omments:         |           |  |      |         |  |  |  |  |
|          | Notes:           | Required  |  |      |         |  |  |  |  |
|          |                  | DTM~15    | 1~20010415   |      |         |  |  |  |  |
|          |                  |           |  |      |         |  |  |  |  |
|          |                  |           | Data Element Summary   |      |         |  |  |  |  |
|          | Ref.             | Data      |  |      |         |  |  |  |  |
|          | Des.             | Element   | Name   | Attr | ributes |  |  |  |  |
| Mand.    | DTM01            | 374       | Date/Time Qualifier  | Μ    | ID 3/3  |  |  |  |  |
|          |                  |           | 151 Service Period End   |      |         |  |  |  |  |
| Must Use | DTM02            | 373       | Date   | Х    | DT 8/8  |  |  |  |  |
|          |                  |           | End date of the period reported in the current QTY loop in the form<br>CCYYMMDD. |      |         |  |  |  |  |

|          | •                    |                         | _                        | _  |             |                |
|----------|----------------------|-------------------------|--------------------------|--|-------------|----------------|
|          | Segment:             | PTL                     | Product Transfe          | r and Resale Detail (Unmetered Usage   | 2)          |                |
|          | Position:            | 010                     |                          |  |             |                |
|          | Loop:                | PTD                     | Optional (Depende        | nt)  |             |                |
|          | Level:               | Detail                  |                          |  |             |                |
|          | Usage:               | Optional                | l (Dependent)            |  |             |                |
|          | Max Use:             | 1                       |                          |  |             |                |
|          | Purpose:             | To indica<br>identifyin |                          | information relating to the transfer/resale                                    | e of a p    | roduct and pro |
| Syn      | tax Notes:           | 1 If ei                 | ther PTD02 or PTD        | 03 is present, then the other is required.                                     |             |                |
|          |                      | 2 If ei                 | ther PTD04 or PTD        | 05 is present, then the other is required.                                     |             |                |
| Seman    | tic Notes:           |                         |                          |  |             |                |
| С        | omments:             |                         |                          |  |             |                |
|          | Notes:               | Conditio                |                          |  |             |                |
|          |                      | This PTI                | D loop is sent to repo   | ort unmetered usage history data.  |             |                |
|          |                      | loops are               |                          | te service class or subclass (see examples asage data for each period.         | ). Sep      | arate QTY      |
|          | Ref.                 | Data                    | Data                     | a Element Summary  |             |                |
|          | Des.                 | Element                 | Name                     |  | <b>A ##</b> | <u>ributes</u> |
| Mand.    | <u>DCS.</u><br>PTD01 | <u>521</u>              | Product Transfer         | Type Code  |             | ID 2/2         |
| iviunu.  | 11201                | 021                     | BC                       | Issue - Other Agency   | 171         |                |
|          |                      |                         | BC                       | e .  | .1          | . 6            |
|          |                      |                         |                          | Total for all unmetered Service points<br>the commodity type indicated in PTD0 |             | account for    |
|          |                      |                         |                          |  |             |                |
| Must Use | PTD04                | 128                     | <b>Reference Identif</b> | ication Qualifier  | X           | ID 2/3         |
|          |                      |                         | OZ                       | Product Number   |             |                |
|          |                      |                         |                          | PTD05 contains a code identifying the  | comm        | odity          |
|          |                      |                         |                          | reported in this transaction.  | Comm        | iouity         |
| Must Use | PTD05                | 127                     | <b>Reference Identif</b> | 1  | X           | AN 1/30        |
|          |                      |                         |                          |  |             |                |

Electric Service

Gas Service

EL GAS

|          | Segment:   | REF                | <b>REF</b> Reference Identification (Utility Rate Service Class)   |                         |                |        |  |  |  |
|----------|--|--------------------|--|-------------------------|----------------|--------|--|--|--|
|          | <b>Position:</b>   | 030                | 030  |                         |                |        |  |  |  |
|          | Loop:  | PTD                | PTD Optional (Dependent)   |                         |                |        |  |  |  |
|          | Level:   | Detail             | Detail   |                         |                |        |  |  |  |
|          | Usage:   | Optional           | (Must Use)   |                         |                |        |  |  |  |
|          | Max Use:   | 1                  |  |                         |                |        |  |  |  |
|          | Purpose:   | To specif          | fy identifying info  | ormation                |                |        |  |  |  |
| Synt     | ax Notes:  |                    |  | 2 or REF03 is required. |                |        |  |  |  |
|          | tic Notes:   | 8                  |  |                         |                |        |  |  |  |
| C        | omments:   | D                  | 1  |                         |                |        |  |  |  |
|          | Notes:   | Required<br>REF~NH | I~A001   |                         |                |        |  |  |  |
|          |  | KEF~NE             | I~1150100  |                         |                |        |  |  |  |
|          |  |                    | D  | ata Element Summary     |                |        |  |  |  |
|          | Ref.   | Data               |  |                         |                |        |  |  |  |
|          | Des.   | Element            | <u>Name</u>  |                         | <u>Attribı</u> | utes   |  |  |  |
| Mand.    | REF01  | 128                | Reference Ider   | ntification Qualifier   | M II           | D 2/3  |  |  |  |
|          |  |                    | NH   | Rate Card Number        |                |        |  |  |  |
|          | REF02 contains the Utility specific rate code that<br>references the service class and rates applicable to this<br>service delivery point. |                    |  |                         |                |        |  |  |  |
| Must Use | REF02  | 127                | <b>Reference Ider</b>  | ntification             | X A            | N 1/30 |  |  |  |
|          |  |                    | Utility Rate code as found in the tariff. (This code can be used to retrieve rates from a utility's web site.) |                         |                |        |  |  |  |

|          | Segment:        | <b>REF</b> Reference Identification (Rate Sub Class)  |                                       |                                      |                             |  |  |  |
|----------|-----------------|---|---------------------------------------|--------------------------------------|-----------------------------|--|--|--|
|          | Position:       | 030   |                                       |                                      |                             |  |  |  |
|          | Loop:           | PTD   | PTD Optional (Dependent)              |                                      |                             |  |  |  |
|          | Level:          | Detail  |                                       | ,                                    |                             |  |  |  |
|          | Usage:          | Optional  |                                       |                                      |                             |  |  |  |
|          | Max Use:        | 1   |                                       |                                      |                             |  |  |  |
|          | <b>Purpose:</b> | To specif   | fy identifying inforn                 | nation                               |                             |  |  |  |
| Synt     | tax Notes:      | 1   |                                       | r REF03 is required.                 |                             |  |  |  |
|          |                 |   |                                       | 004 is present, then the other is re | equired.                    |  |  |  |
|          |                 |   |                                       | 006 is present, then the other is re | -                           |  |  |  |
| Seman    | tic Notes:      |   |                                       | ating to the value cited in REF02    |                             |  |  |  |
| С        | omments:        |   |                                       |                                      |                             |  |  |  |
| -        | Notes:          | Conditio  | nal                                   |                                      |                             |  |  |  |
|          |                 | 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                                  | e Element Summary                    |                             |  |  |  |
|          | Ref.            | Data  |                                       |                                      |                             |  |  |  |
|          | Des.            | <u>Element</u>  | <u>Name</u>                           |                                      | <u>Attributes</u>           |  |  |  |
| Mand.    | REF01           | 128   | <b>Reference Identif</b>              | ication Qualifier                    | M ID 2/3                    |  |  |  |
|          |                 |   | PR                                    | Price Quote Number                   |                             |  |  |  |
|          |                 |   |                                       | Utility Rate Subclass                |                             |  |  |  |
| Must Use | REF02           | 127   | Quantity                              |                                      | X AN 1/30                   |  |  |  |
|          |                 |   | Provides further cl<br>REF*NH segment | arification of the Utility Rate Ser  | vice Class specified in the |  |  |  |

| 111 007 0010 | unpuon mot      |          |                                   | 101 0/ 22 <u>2/</u> 2011 1,100 mig            |          |               |  |  |  |
|--------------|-----------------|----------|-----------------------------------|---|----------|---------------|--|--|--|
|              | Segment:        | REF      | Reference Ide                     | entification (Load Profile)                   |          |               |  |  |  |
|              | Position:       | 030      | 030                               |   |          |               |  |  |  |
|              | Loop:           | PTD      | PTD Optional (Dependent)          |   |          |               |  |  |  |
|              | Level:          | Detail   |                                   |   |          |               |  |  |  |
|              | Usage:          | Optional | (Dependent)                       |   |          |               |  |  |  |
|              | Max Use:        | 1        |                                   |   |          |               |  |  |  |
|              | <b>Purpose:</b> | To speci | fy identifying info               | ormation                                      |          |               |  |  |  |
| Synt         | ax Notes:       | 1 At le  | east one of REF02                 | 2 or REF03 is required.                       |          |               |  |  |  |
|              |                 | 2 If eit | ther C04003 or C                  | 204004 is present, then the other is required | •        |               |  |  |  |
|              |                 | 3 If eit | ther C04005 or C                  | 204006 is present, then the other is required | •        |               |  |  |  |
| Seman        | tic Notes:      | 1 REF    | <sup>2</sup> 04 contains data     | relating to the value cited in REF02.         |          |               |  |  |  |
| C            | omments:        |          |                                   |   |          |               |  |  |  |
|              | Notes:          | Conditio |                                   |   |          |               |  |  |  |
|              |                 | -        |                                   | e sent when the service is electric (PTD05=   | =EL).    |               |  |  |  |
|              |                 | REF~LC   | 0∼L01                             |   |          |               |  |  |  |
|              |                 |          |                                   |   |          |               |  |  |  |
|              |                 |          | D                                 | ata Element Summary                           |          |               |  |  |  |
|              | Ref.            | Data     |                                   |   |          |               |  |  |  |
|              | Des.            | Element  | <u>Name</u>                       |   |          | ributes       |  |  |  |
| Mand.        | REF01           | 128      |                                   | ntification Qualifier                         | M        | ID 2/3        |  |  |  |
|              |                 |          | LO                                | Load Planning Number                          |          |               |  |  |  |
|              |                 |          |                                   | Load Profile                                  |          |               |  |  |  |
| Must Use     | REF02           | 127      | Quantity                          |   | Х        | AN 1/30       |  |  |  |
|              |                 |          | Utility assigned from the Utility | load profile code. Load profile code defin    | itions a | re accessible |  |  |  |
|              |                 |          | nom die eanty                     | 5 Web 510.                                    |          |               |  |  |  |

|          |                  | 2              |                         |                |                   |                      |        |                |    |
|----------|------------------|----------------|-------------------------|----------------|-------------------|----------------------|--------|----------------|----|
|          | Segment:         | QTY            | Quantity                |                |                   |                      |        |                |    |
|          | <b>Position:</b> | 110            | 110                     |                |                   |                      |        |                |    |
|          | Loop:            | QTY            | QTY Optional (Must Use) |                |                   |                      |        |                |    |
|          | Level:           | Detail         | 1                       | ,              |                   |                      |        |                |    |
|          | Usage:           | Optional       | (Must Use)              |                |                   |                      |        |                |    |
|          | Max Use:         | 1              |                         |                |                   |                      |        |                |    |
|          | <b>Purpose:</b>  | To specif      | fy quantity inf         | ormation. A s  | eparate Quantity  | y loop is used for e | each p | eriod reporte  | d. |
| Syn      | tax Notes:       | -              | east one of QT          |                |                   |                      |        |                |    |
| -        |                  | 2 Only         | one of QTY              | 2 or QTY04     | may be present.   |                      |        |                |    |
| Semar    | ntic Notes:      | 1 QTY          | 704 is used wh          | en the quantit | y is non-numeri   | с.                   |        |                |    |
| C        | omments:         |                |                         | -              | -                 |                      |        |                |    |
|          | Notes:           | Required       | l                       |                |                   |                      |        |                |    |
|          |                  | This seg       | ment must be s          | ent to indicat | e the number of   | unmetered service    | end p  | oints          |    |
|          |                  | associate      | d with the unr          | netered usage  | data sent in this | PTD loop.            |        |                |    |
|          |                  | QTY~FL         | ~44 Reporte             | d consumptio   | n is summarized   | from 44 unmetere     | ed poi | nts            |    |
|          |                  |                |                         |                |                   |                      |        |                |    |
|          |                  |                |                         | Data Eleme     | nt Summary        |                      |        |                |    |
|          | Ref.             | Data           |                         |                |                   |                      |        |                |    |
|          | Des.             | <u>Element</u> | <u>Name</u>             |                |                   |                      | Attı   | <u>ributes</u> |    |
| Mand.    | QTY01            | 673            | Quantity Qu             | ıalifier       |                   |                      | Μ      | ID 2/2         |    |
|          |                  |                | FL                      | Units          | 5                 |                      |        |                |    |
| Must Use | QTY02            | 380            | Quantity                |                |                   |                      | Х      | R 1/15         |    |
|          |                  |                | Contains the            | number of un   | metered points r  | represented by the   | usage  | data           |    |
|          |                  |                | reported for            | the period ind | icated in the DT  | M segment.           |        |                |    |
|          |                  |                |                         |                |                   |                      |        |                |    |

|          | Segment:                   | ME   | A Measurements   | s   |       |                |  |  |
|----------|----------------------------|--|--|---|-------|----------------|--|--|
|          | <b>Position:</b>           | 160  |  |   |       |                |  |  |
|          | Loop:                      | QTY Optional (Must Use)  |  |   |       |                |  |  |
|          | Level:                     | -  |  |   |       |                |  |  |
|          | Usage: Optional (Must Use) |  |  |   |       |                |  |  |
|          | Max Use:                   | 1  |  |   | _     |                |  |  |
| Purpose: |                            | To specify physical measurements or counts, including dimensions, tolerances, variances, and weights (See Figures Appendix for example of use of C001)   |  |   |       |                |  |  |
|          | tax Notes:                 | <ol> <li>At least one of MEA03 MEA05 MEA06 or MEA08 is required.</li> <li>If MEA05 is present, then MEA04 is required.</li> <li>If MEA06 is present, then MEA04 is required.</li> <li>If MEA07 is present, then at least one of MEA03 MEA05 or MEA06 is required.</li> <li>Only one of MEA08 or MEA03 may be present.</li> </ol> |  |   |       |                |  |  |
|          | ntic Notes:                |  | 1 MEA04 defines the unit of measure for MEA03, MEA05, and MEA06.   |   |       |                |  |  |
| C        | Comments:                  | mea  | 1 When citing dimensional tolerances, any measurement requiring a sign (+ or -), or any measurement where a positive (+) value cannot be assumed, use MEA05 as the negative (-) value and MEA06 as the positive (+) value. |   |       |                |  |  |
|          | Notes:                     | Required   |  | e positive (+) value.   |       |                |  |  |
|          | 110105.                    | -  |  | L Dillad consumption is 10 101 biloweth   | h     |                |  |  |
|          |                            | MEA~B  | K~PKQ~10101~Kf   | H Billed consumption is 10,101 kilowatt   | nours |                |  |  |
|          | Ref.                       | Data   | Dat  | a Element Summary   |       |                |  |  |
|          | Des.                       | <b>Element</b>   | Name   |   | Att   | <u>ributes</u> |  |  |
| Must Use | MEA01                      | 737  | Measurement Re   | eference ID Code  | 0     | ID 2/2         |  |  |
|          |                            |  | AN   | Work  |       |                |  |  |
|          |                            |  |  | Period Actual   |       |                |  |  |
|          |                            |  | BR   | Billed History  |       |                |  |  |
|          |                            |  |  | Use where the utility tariff provides for minimum<br>charges regardless of actual consumption below the<br>minimum and the Utility does not retain the actual |       |                |  |  |
|          |                            |  |  | consumption data.   |       | lotuur         |  |  |
|          |                            |  | EN   | Environmental Conditions  |       |                |  |  |
|          |                            |  |  | Period Estimated  |       |                |  |  |
| Must Use | MEA02                      | 738  | Measurement Qu   |   | 0     | ID 1/3         |  |  |
|          |                            |  | PRQ  | Product Reportable Quantity   | -     |                |  |  |
|          |                            |  | ing  | Consumption   |       |                |  |  |
| Must Has | MEA02                      | 739  | Measurement Va   | •   | X     | R 1/20         |  |  |
| Must Use | MEA03                      | 139  |  |   | Λ     | K 1/20         |  |  |
|          |                            | <b>C</b> 004   | - ·  | imption delivered for service period.   | **    |                |  |  |
| Must Use | MEA04                      | C001   | Composite Unit of  |   | X     |                |  |  |
| Mand.    | C00101                     | 355  |  | Measurement Code  | Μ     | ID 2/2         |  |  |
|          |                            |  | HH   | Hundred Cubic Feet  |       |                |  |  |
|          |                            |  |  | ccf   |       |                |  |  |
|          |                            |  | K1   | Kilowatt Demand   |       |                |  |  |
|          |                            |  | K2   | Kilovolt Amperes Reactive Demand  |       |                |  |  |
|          |                            |  | K3   | Kilovolt Amperes Reactive Hour  |       |                |  |  |
|          |                            |  | K4   | Kilovolt Amperes  |       |                |  |  |
|          |                            |  | K4<br>K5   | Kilovolt Amperes Reactive   |       |                |  |  |
|          |                            |  |  | -   |       |                |  |  |
|          |                            |  | K7   | Kilowatt  |       |                |  |  |
|          |                            |  | KH   | Kilowatt Hour   |       |                |  |  |
|          |                            |  | TD   | Therms  |       |                |  |  |
|          |                            |  | TZ   | Thousand Cubic Feet   |       |                |  |  |

|                      | Segment:   | DTN                                     | <b>I</b> Date/Time Reference (Period Start Date)                                |      |         |  |  |
|----------------------|--|---|---|------|---------|--|--|
|                      | Position:  | 210                                     |   |      |         |  |  |
|                      | Loop:  | oop: QTY Optional (Must Use)            |   |      |         |  |  |
|                      | Level: Detail  |   |   |      |         |  |  |
|                      | Usage:   | Optional (Must Use)                     |   |      |         |  |  |
|                      | Max Use:   | 1                                       |   |      |         |  |  |
|                      | <b>Purpose:</b>  | e: To specify pertinent dates and times |   |      |         |  |  |
| Synt                 | 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. |   |   |      |         |  |  |
| Seman                | tic Notes:   |   |   |      |         |  |  |
| С                    | omments:   |   |   |      |         |  |  |
| Notes: Required      |  |   |   |      |         |  |  |
|                      | DTM~150~20000315   |   |   |      |         |  |  |
|                      |  |   |   |      |         |  |  |
| Data Element Summary |  |   |   |      |         |  |  |
|                      | Ref.   | Data                                    |   |      |         |  |  |
|                      | Des.   | Element                                 | Name  | Attr | ributes |  |  |
| Mand.                | DTM01  | 374                                     | Date/Time Qualifier   | Μ    | ID 3/3  |  |  |
|                      |  |   | 150 Service Period Start  |      |         |  |  |
| Must Use             | DTM02  | 373                                     | Date  | Х    | DT 8/8  |  |  |
|                      |  |   | Start date of the period reported in the current QTY loop in the form CCYYMMDD. |      |         |  |  |

|                      | Segment:   | DTN   | <b>I</b> Date/Time Reference (Period End Date) |      |         |  |  |  |
|----------------------|--|---|--|------|---------|--|--|--|
|                      | <b>Position:</b>   | 210   |  |      |         |  |  |  |
|                      | Loop:  | QTY Optional (Must Use)   |  |      |         |  |  |  |
|                      | Level:   |   |  |      |         |  |  |  |
|                      | Usage:   | Optional  | Optional (Must Use)                            |      |         |  |  |  |
|                      | Max Use:   | 1   |  |      |         |  |  |  |
|                      | <b>Purpose:</b> To specify pertinent dates and times               |   |  |      |         |  |  |  |
| Syn                  | 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. |   |  |      |         |  |  |  |
| Seman                | tic Notes:   |   |  |      |         |  |  |  |
| Comments:            |  |   |  |      |         |  |  |  |
| Notes: Required      |  |   |  |      |         |  |  |  |
| DTM~151~20000415     |  |   |  |      |         |  |  |  |
|                      |  |   |  |      |         |  |  |  |
| Data Element Summary |  |   |  |      |         |  |  |  |
|                      | Ref.   | Data  |  |      |         |  |  |  |
|                      | Des.   | Element   | Name   | Attr | ributes |  |  |  |
| Mand.                | DTM01  | 374   | Date/Time Qualifier                            | Μ    | ID 3/3  |  |  |  |
|                      |  |   | 151 Service Period End                         |      |         |  |  |  |
| Must Use             | DTM02  | 373   | Date   | Х    | DT 8/8  |  |  |  |
|                      |  | End date of the period reported in the current QTY loop in the form CCYYMMDD. |  |      |         |  |  |  |

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| Segment:         | <b>PTD</b> 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:  |   |
| <b>Comments:</b> |   |
| Notes:           | Conditional   |
|                  | This PTD loop is required when metered consumption history is being reported by meter.<br>The PTD*BQ loop is not required when consumption is reported on an account basis or<br>when a gas profile is provided.<br>Usage from each metered service point is sent in a separate PTD*BQ loop with each<br>period reported in separate QTY loops within that PTD loop. An account with 12 months<br>of non-interval usage history for two metered delivery points would require 2 -PTD*BQ<br>loops with 12 QTY loops within each PTD loop. Each PTD loop must- include the meter<br>number, Utility rate service class (and subclass if applicable), and a load profile code<br>where applicable. Consumption must be reported for each unit of measure (kW, kWh,<br>ccf, etc), and time interval (peak, off peak, etc) where applicable, for each measurement<br>period. For example, an electric account with a single metered service delivery point<br>where consumption is being measured for on-peak, off-peak and intermediate peak<br>periods would require a single PTD loop but 36 QTY loops to report consumption for a<br>12 month period (see examples).<br>PTD~BQ~~~OZ~EL |

|          |                              | Data Element Summary          |                                    |  |                  |                          |
|----------|------------------------------|-------------------------------|------------------------------------|--|------------------|--------------------------|
| Mand.    | Ref.<br><u>Des.</u><br>PTD01 | Data<br><u>Element</u><br>521 | <u>Name</u><br>Product Transfer    | Type Code  | <u>Attı</u><br>M | <u>ributes</u><br>ID 2/2 |
|          |                              |                               | BQ                                 | Other  |                  |                          |
|          |                              |                               |                                    | Detail of metered service points on the commodity type indicated in PTD05. | accou            | nt for the               |
| Must Use | PTD04                        | 128                           | Reference Identification Qualifier |  | Х                | ID 2/3                   |
|          |                              |                               | OZ                                 | Product Number   |                  |                          |
|          |                              |                               |                                    | PTD05 contains a code identifying the reported in this transaction.        | comm             | odity                    |
| Must Use | PTD05                        | 127                           | <b>Reference Identifi</b>          | cation   | Х                | AN 1/30                  |
|          |                              |                               | 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                             |  |                   |  |  |  |  |  |
|          | <b>Purpose:</b> | To specif                     | y identifying information                                    |                   |  |  |  |  |  |
| Synt     | ax Notes:       | <b>1</b> At le                | ast one of REF02 or REF03 is required.                       |                   |  |  |  |  |  |
|          |                 | 2 If eit                      | her C04003 or C04004 is present, then the other is required. |                   |  |  |  |  |  |
|          |                 | 3 If eit                      | her C04005 or C04006 is present, then the other is required. |                   |  |  |  |  |  |
| Seman    | tic Notes:      | 1 REF                         | 04 contains data relating to the value cited in REF02.       |                   |  |  |  |  |  |
| Co       | omments:        |                               |  |                   |  |  |  |  |  |
|          | Notes:          | Required                      |  |                   |  |  |  |  |  |
|          |                 | REF~MO                        | G~012345678  |                   |  |  |  |  |  |
|          |                 |                               |  |                   |  |  |  |  |  |
|          |                 |                               | Data Element Summary   |                   |  |  |  |  |  |
|          | Ref.            | Data                          |  |                   |  |  |  |  |  |
|          | Des.            | Element                       | Name   | <b>Attributes</b> |  |  |  |  |  |
| Mand.    | REF01           | 128                           | Reference Identification Qualifier                           | M ID 2/3          |  |  |  |  |  |
|          |                 |                               | MG Meter Number  |                   |  |  |  |  |  |
| Must Use | REF02           | 127                           | Reference Identification                                     | X AN 1/30         |  |  |  |  |  |
|          |                 | Utility assigned meter number |  |                   |  |  |  |  |  |

|          | Segment:  | <b>REF</b> Reference Identification (Utility Rate Service Class)  |                           |  |      |         |  |  |
|----------|---|---|---------------------------|--|------|---------|--|--|
|          | <b>Position:</b>  | 030   | 030                       |  |      |         |  |  |
|          | Loop:   | PTD   | Optional (Depender        | nt)  |      |         |  |  |
|          | Level:  | Detail  |                           |  |      |         |  |  |
|          | Usage:  | Optional  | (Must Use)                |  |      |         |  |  |
| ]        | Max Use:  | 1   |                           |  |      |         |  |  |
|          | Purpose:  | -   | fy identifying inform     |  |      |         |  |  |
| Synt     | ax Notes:   | 1 At le   | east one of REF02 or      | REF03 is required.   |      |         |  |  |
|          | <ol> <li>If either C04003 or C04004 is present, then the other is required.</li> <li>If either C04005 or C04006 is present, then the other is required.</li> <li>REF04 contains data relating to the value cited in REF02.</li> </ol> |   |                           |  |      |         |  |  |
|          | omments:<br>Notes:  | Required  | 1                         |  |      |         |  |  |
|          | notes:  | -   |                           |  |      |         |  |  |
|          |   | REF~NH  |                           |  |      |         |  |  |
|          |   | KEF~NE  | I~1150100                 |  |      |         |  |  |
|          |   |   | Data                      | Element Summary  |      |         |  |  |
|          | Ref.  | Data  |                           | -  |      |         |  |  |
|          | Des.  | Element   | Name                      |  | Attr | ributes |  |  |
| Mand.    | REF01   | 128   | Reference Identifi        | cation Qualifier   | Μ    | ID 2/3  |  |  |
|          |   |   | NH                        | Rate Card Number   |      |         |  |  |
|          |   |   |                           | REF02 contains the Utility specific rate<br>references the service class and rates ap<br>service delivery point. |      |         |  |  |
| Must Use | REF02   | 127   | <b>Reference Identifi</b> | cation   | Х    | AN 1/30 |  |  |
|          |   | Utility Rate code as found in the tariff. (This code can be used to retrieve rate from a utility's web site.) |                           |  |      |         |  |  |

|          | Segment:  | <b>REF</b> Reference Identification (Rate Sub Class) |                                       |                                     |                  |               |  |  |  |
|----------|---|--|---------------------------------------|-------------------------------------|------------------|---------------|--|--|--|
|          | Position:   | 030  |                                       |                                     |                  |               |  |  |  |
|          | Loop:   | PTD  | PTD Optional (Dependent)              |                                     |                  |               |  |  |  |
|          | Level:  | Detail   |                                       | ,<br>,                              |                  |               |  |  |  |
|          | Usage:  | Optional   |                                       |                                     |                  |               |  |  |  |
|          | Max Use:  | 1  |                                       |                                     |                  |               |  |  |  |
|          | <b>Purpose:</b>   | To specif  | fy identifying inform                 | nation                              |                  |               |  |  |  |
| Synt     | tax Notes:  | 1  |                                       | r REF03 is required.                |                  |               |  |  |  |
|          |   |  |                                       | 004 is present, then the other is   | required.        |               |  |  |  |
|          |   |  |                                       | 006 is present, then the other is   | -                |               |  |  |  |
| Seman    | tic Notes:  |  |                                       | ating to the value cited in REF0    |                  |               |  |  |  |
| С        | omments:  |  |                                       |                                     |                  |               |  |  |  |
|          | Notes:  | Condition  | nal                                   |                                     |                  |               |  |  |  |
|          | 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                                  | a Element Summary                   |                  |               |  |  |  |
|          | Ref.  | Data   |                                       |                                     |                  |               |  |  |  |
|          | Des.  | <u>Element</u>                                       | <u>Name</u>                           |                                     |                  | <u>ibutes</u> |  |  |  |
| Mand.    | REF01   | 128  | Reference Identif                     | ication Qualifier                   | Μ                | ID 2/3        |  |  |  |
|          |   |  | PR                                    | Price Quote Number                  |                  |               |  |  |  |
|          |   |  |                                       | Utility Rate Subclass               |                  |               |  |  |  |
| Must Use | REF02   | 127  | Quantity                              |                                     | X                | AN 1/30       |  |  |  |
|          |   |  | Provides further cl<br>REF*NH segment | larification of the Utility Rate Se | rvice Class spec | ified in the  |  |  |  |

|          | P          | 2              | • Drait Revisions for 0, 22 <u>27</u> , 201 • Meeting  |     |         |  |  |  |
|----------|------------|----------------|--|-----|---------|--|--|--|
|          | Segment:   | REF            | Reference Identification (Load Profile)  |     |         |  |  |  |
|          | Position:  | 030            |  |     |         |  |  |  |
|          | Loop:      | PTD            | Optional (Dependent)   |     |         |  |  |  |
|          | Level:     | Detail         |  |     |         |  |  |  |
|          | Usage:     | Optional       | (Dependent)  |     |         |  |  |  |
| ]        | Max Use:   | 1              |  |     |         |  |  |  |
|          | Purpose:   | To speci       | y identifying information  |     |         |  |  |  |
| Synt     | ax Notes:  | <b>1</b> At le | ast one of REF02 or REF03 is required.   |     |         |  |  |  |
|          |            | 2 If eit       | her C04003 or C04004 is present, then the other is required.   |     |         |  |  |  |
|          |            | 3 If eit       | her C04005 or C04006 is present, then the other is required.   |     |         |  |  |  |
| Seman    | tic Notes: | 1 REF          | 04 contains data relating to the value cited in REF02.   |     |         |  |  |  |
| Co       | omments:   |                |  |     |         |  |  |  |
|          | Notes:     | Conditio       |  |     |         |  |  |  |
|          |            | -              | file codes must be sent when the service is electric (PTD05=EL   | .). |         |  |  |  |
|          |            | REF~LC         | ~L01   |     |         |  |  |  |
|          |            |                |  |     |         |  |  |  |
|          |            |                | Data Element Summary   |     |         |  |  |  |
|          | Ref.       | Data           |  |     |         |  |  |  |
|          | Des.       | <u>Element</u> |  |     | ibutes  |  |  |  |
| Mand.    | REF01      | 128            | Reference Identification Qualifier   | Μ   | ID 2/3  |  |  |  |
|          |            |                | LO Load Planning Number  |     |         |  |  |  |
|          |            |                | Load Profile   |     |         |  |  |  |
| Must Use | REF02      | 127            | Reference Identification   | Х   | AN 1/30 |  |  |  |
|          |            |                | Utility assigned load profile code. Load profile code definitions are provided<br>on the Utility web site. |     |         |  |  |  |

|          | Segment:         | QTY  | Quantity        |  |                      |         |  |  |
|----------|------------------|--|-----------------|--|----------------------|---------|--|--|
|          | <b>Position:</b> | 110  |                 |  |                      |         |  |  |
|          | Loop:            | QTY  | Optional (Must  | Use)   |                      |         |  |  |
|          | Level:           | Detail   |                 |  |                      |         |  |  |
|          | Usage:           | Optional   | (Must Use)      |  |                      |         |  |  |
|          | Max Use:         | 1  |                 |  |                      |         |  |  |
|          | Purpose:         | To specify quantity information. A separate Quantity loop is used for each register or measurement type provided by the meter. |                 |  |                      |         |  |  |
| Syn      | tax Notes:       |  |                 | 02 or QTY04 is required.<br>or QTY04 may be present. |                      |         |  |  |
| Seman    | ntic Notes:      | •  | -               | the quantity is non-numeri                           | c.                   |         |  |  |
| С        | omments:         |  |                 | 1 2  |                      |         |  |  |
|          | Notes:           | Required   |                 |  |                      |         |  |  |
|          |                  | QTY~FL   | ~1 Data is asso | ociated with 1 service deliv                         | ery point.           |         |  |  |
|          |                  |  |                 |  |                      |         |  |  |
|          |                  |  | D               | ata Element Summary                                  |                      |         |  |  |
|          | Ref.             | Data   |                 |  |                      |         |  |  |
|          | Des.             | <u>Element</u>   | <u>Name</u>     |  |                      | ributes |  |  |
| Mand.    | QTY01            | 673  | Quantity Qual   |  | Μ                    | ID 2/2  |  |  |
|          |                  |  | FL              | Units  |                      |         |  |  |
| Must Use | QTY02            | 380  | Quantity        |  | X                    | R 1/15  |  |  |
|          |                  |  | Valid value for | this element in this segmen                          | nt will always be 1. |         |  |  |

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

|            |            |         | I             | Data Element Summary                            |         |          |
|------------|------------|---------|---------------|---|---------|----------|
|            | Ref.       | Data    | N             |   | • • •   |          |
|            | Des.       | Element | <u>Name</u>   |   |         | ributes  |
| Must Use   | MEA01      | 737     |               | Reference ID Code                               | 0       | ID 2/2   |
|            |            |         | AN            | Work  |         |          |
|            |            |         |               | Period Actual                                   |         |          |
|            |            |         | BR            | Billed History                                  |         |          |
|            |            |         |               | Use where the utility tariff provides for       |         |          |
|            |            |         |               | charges regardless of actual consumpti          |         |          |
|            |            |         |               | minimum and the Utility does not retai          | n the a | actual   |
|            |            |         |               | consumption data.                               |         |          |
|            |            |         | EN            | Environmental Conditions                        |         |          |
|            |            |         |               | Period Estimated                                |         |          |
| Must Use   | MEA02      | 738     | Quantity      |   | 0       | ID 1/3   |
|            |            |         | PRQ           | Product Reportable Quantity                     |         |          |
|            |            |         |               | Consumption                                     |         |          |
| Must Use   | MEA03      | 739     | Measurement   |   | Х       | R 1/20   |
|            |            |         |               | e consumption for the period indicated in the I | DTM s   | segment. |
| Must Use   | MEA04      | C001    | Composite Ur  | nit of Measure                                  | Х       |          |
| Mand.      | C00101     | 355     | Unit or Basis | for Measurement Code                            | Μ       | ID 2/2   |
|            |            |         | HH            | Hundred Cubic Feet                              |         |          |
|            |            |         |               | ccf   |         |          |
|            |            |         | K1            | Kilowatt Demand                                 |         |          |
|            |            |         | K2            | Kilovolt Amperes Reactive Demand                |         |          |
|            |            |         | K3            | Kilovolt Amperes Reactive Hour                  |         |          |
|            |            |         | K4            | Kilovolt Amperes                                |         |          |
|            |            |         | K5            | Kilovolt Amperes Reactive                       |         |          |
|            |            |         | K7            | Kilowatt  |         |          |
|            |            |         | KH            | Kilowatt Hour                                   |         |          |
| NV867HIL V | 1 2 (4010) |         |               | 36  |         | Octob    |

|      |              |     | ΤZ                | Thousand Cubic Feet   |
|------|--------------|-----|-------------------|---|
| Cond | <b>MEA07</b> | 935 | Measurement S     | Significance Code O ID 2/2                                  |
|      |              |     | This element is r | required for electric service but not used for gas service. |
|      |              |     | 41                | Off Peak  |
|      |              |     |                   | At the utility's option, this code will be used to          |
|      |              |     |                   | designate Small Time of Use Off Peak Energy.                |
|      |              |     | 42                | On Peak   |
|      |              |     |                   | At the utility's option, this code will be used to          |
|      |              |     |                   | designate Small Time of Day On Peak Energy.                 |
|      |              |     | 43                | Intermediate  |
|      |              |     |                   | Intermediate Peak   |
|      |              |     | 45                | Per Gallon  |
|      |              |     |                   | Summer On Peak  |
|      |              |     | 49                | Mist  |
|      |              |     |                   | Winter On Peak  |
|      |              |     | 50                | Predominant   |
|      |              |     |                   | Winter Mid Peak   |
|      |              |     | 51                | Total   |
|      |              |     |                   | At the utility's option, this code will be used to          |
|      |              |     |                   | designate Total Energy or Total Billed Demand.              |
|      |              |     | 57                | Boarded or Blocked Up                                       |
|      |              |     |                   | Summer Total  |
|      |              |     | 58                | Planned   |
|      |              |     | 72                | Winter Total  |
|      |              |     | 73                | Low to High   |
|      |              |     | 74                | Summer Off Peak   |
|      |              |     | 74                | Low to Medium   |
|      |              |     | 75                | Summer Intermediate Peak                                    |
|      |              |     | 75                | Low to Moderate<br>Winter Off Peak                          |
|      |              |     | 84                | Good to High  |
|      |              |     | 04                | High Tension On Peak Energy                                 |
|      |              |     | 85                | High  |
|      |              |     | 05                | High Tension Off Peak Energy                                |
|      |              |     | 86                | Budgeted  |
|      |              |     | 00                | Low Tension On Peak Energy                                  |
|      |              |     | 87                | Forecast  |
|      |              |     | <i></i>           | 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:   | DTN   | <b>I</b> Date/Time Reference (Period Start Date)           |             |                |  |  |
|----------|------------|---|--|-------------|----------------|--|--|
|          | Position:  | 210   |  |             |                |  |  |
|          | Loop:      | QTY   | Optional (Must Use)  |             |                |  |  |
|          | Level:     | Detail  |  |             |                |  |  |
|          | Usage:     | Optional  | (Must Use)   |             |                |  |  |
|          | Max Use:   | 1   |  |             |                |  |  |
|          | Purpose:   | To specif   | y pertinent dates and times                                |             |                |  |  |
| Syn      | tax Notes: | 1 At le   | ast one of DTM02 DTM03 or DTM05 is required.               |             |                |  |  |
|          |            | 2 If D  | M04 is present, then DTM03 is required.                    |             |                |  |  |
|          |            | 3 If eit  | her DTM05 or DTM06 is present, then the other is required. |             |                |  |  |
| Seman    | tic Notes: |   |  |             |                |  |  |
| С        | omments:   |   |  |             |                |  |  |
|          | Notes:     | Required  |  |             |                |  |  |
|          |            | DTM~15  | 0~20000315   |             |                |  |  |
|          |            |   |  |             |                |  |  |
|          |            |   | Data Element Summary                                       |             |                |  |  |
|          | Ref.       | Data  |  |             |                |  |  |
|          | Des.       | Element   | Name   | <u>Attr</u> | <u>ributes</u> |  |  |
| Mand.    | DTM01      | 374   | Date/Time Qualifier  | Μ           | ID 3/3         |  |  |
|          |            |   | 150 Service Period Start                                   |             |                |  |  |
| Must Use | DTM02      | 373   | Date   | Х           | DT 8/8         |  |  |
|          |            | Start date of the period reported in the current QTY loop in the form CCYYMMDD. |  |             |                |  |  |

|          | Segment:         | DTN   | <b>I</b> Date/Time Reference (Period End Date)             |      |         |  |  |
|----------|------------------|---|--|------|---------|--|--|
|          | <b>Position:</b> | 210   |  |      |         |  |  |
|          | Loop:            | QTY   | Optional (Must Use)  |      |         |  |  |
|          | Level:           | Detail  |  |      |         |  |  |
|          | Usage:           | Optional  | (Must Use)   |      |         |  |  |
|          | Max Use:         | 1   |  |      |         |  |  |
|          | Purpose:         | To specif   | y pertinent dates and times                                |      |         |  |  |
| Syn      | tax Notes:       | 1 At le   | ast one of DTM02 DTM03 or DTM05 is required.               |      |         |  |  |
|          |                  | 2 If D'   | TM04 is present, then DTM03 is required.                   |      |         |  |  |
|          |                  | 3 If eit  | her DTM05 or DTM06 is present, then the other is required. |      |         |  |  |
| Seman    | tic Notes:       |   |  |      |         |  |  |
| С        | omments:         |   |  |      |         |  |  |
|          | Notes:           | Required  |  |      |         |  |  |
|          |                  | DTM~15  | 1~20000415   |      |         |  |  |
|          |                  |   |  |      |         |  |  |
|          |                  |   | Data Element Summary                                       |      |         |  |  |
|          | Ref.             | Data  |  |      |         |  |  |
|          | Des.             | Element   | Name   | Attr | ributes |  |  |
| Mand.    | DTM01            | 374   | Date/Time Qualifier  | Μ    | ID 3/3  |  |  |
|          |                  |   | 151 Service Period End                                     |      |         |  |  |
| Must Use | DTM02            | 373   | Date   | Х    | DT 8/8  |  |  |
|          |                  | End date of the period reported in the current QTY loop in the form CCYYMMDD. |  |      |         |  |  |

| Segment:                     | <b>PTD</b> 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:<br>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) is used to transmit the month-by-month profile   |
|                              | data. A utility that supports gas profiles may also provide an annual forecast of total  |
|                              | quantities for the account in the PTD*SM loop.   |
|                              | The PTD*BG and SM loops are only sent by utilities that support gas profiles.  |
|                              | PTD~BG~~~OZ~GAS  |
|                              | Data Element Summary   |
| Ref.                         | Data   |

|          | Ref.  | Data           |                            |   |         |                |
|----------|-------|----------------|----------------------------|---|---------|----------------|
|          | Des.  | <u>Element</u> | Name                       |   | Att     | <u>ributes</u> |
| Mand.    | PTD01 | 521            | Product Transfer           | Type Code   | Μ       | ID 2/2         |
|          |       |                | BG                         | Test and Evaluation                                 |         |                |
|          |       |                |                            | Gas Profile Factors                                 |         |                |
|          |       |                |                            | This PTD loop contains the factors used             | d to de | etermine       |
|          |       |                |                            | the monthly forecast quantities in a gas            | profil  | e and other    |
|          |       |                |                            | non-recurring account attributes.                   |         |                |
| Must Use | PTD04 | 128            | <b>Reference Identifie</b> | cation Qualifier                                    | Х       | ID 2/3         |
|          |       |                | OZ                         | Product Number                                      |         |                |
|          |       |                |                            | PTD05 contains the code for the comm this PTD loop. | odity   | reported in    |
| Must Use | PTD05 | 127            | <b>Reference Identifie</b> | cation  | X       | AN 1/30        |
|          |       |                | GAS                        | Gas Service   |         |                |

|          | Segment:         | DTN  | <b>A</b> Date/Time Refer                       | rence (Profile Period Start Date)          |        |               |  |  |  |
|----------|------------------|--|--|--|--------|---------------|--|--|--|
|          | <b>Position:</b> | 020  |  |  |        |               |  |  |  |
|          | Loop:            | PTD  | PTD Optional (Dependent)                       |  |        |               |  |  |  |
|          | Level:           | Detail   | Detail   |  |        |               |  |  |  |
|          | Usage:           | Optional   | (Must Use)                                     |  |        |               |  |  |  |
|          | Max Use:         | 1  |  |  |        |               |  |  |  |
|          | Purpose:         | -  | fy pertinent dates and                         |  |        |               |  |  |  |
| Synt     | tax Notes:       |  |  |  |        |               |  |  |  |
|          |                  |  | 2 If DTM04 is present, then DTM03 is required. |  |        |               |  |  |  |
| a        |                  | 3 If eit   | ther DTM05 or DTM                              | 06 is present, then the other is required. |        |               |  |  |  |
|          | tic Notes:       |  |  |  |        |               |  |  |  |
| C        | omments:         |  |  |  |        |               |  |  |  |
|          | Notes:           | Required<br>This segment is sent to provide the date a customer's gas profile was created. |  |  |        |               |  |  |  |
|          |                  | -  | $3 \sim 20010315$                              | e the date a customer's gas prome was cro  | eateu. |               |  |  |  |
|          |                  | D1WI~15  | 5~20010515                                     |  |        |               |  |  |  |
|          |                  |  | Data 1   | Element Summary                            |        |               |  |  |  |
|          | Ref.             | Data   |  |  |        |               |  |  |  |
|          | Des.             | <u>Element</u>   | Name   |  |        | <u>ibutes</u> |  |  |  |
| Mand.    | DTM01            | 374  | Date/Time Qualifie                             | er   | Μ      | ID 3/3        |  |  |  |
|          |                  |  | 193  | Period Start                               |        |               |  |  |  |
|          |                  |  |  | Profile Period Start Date                  |        |               |  |  |  |
|          |                  |  |  | This is the date a customer's gas profile  | was c  | reated.       |  |  |  |
| Must Use | DTM02            | 373  | Date   |  | Х      | DT 8/8        |  |  |  |
|          |                  |  | Date profile was cre                           | ated in the form CCYYMMDD.                 |        |               |  |  |  |
|          |                  |  |  |  |        |               |  |  |  |

|          | Segment:         | DTN  | <b>I</b> Date/Time Refer             | ence (Date Customer Initiated Servic  | e)                |  |  |  |
|----------|------------------|--|--------------------------------------|---|-------------------|--|--|--|
|          | <b>Position:</b> | 020  |                                      |   |                   |  |  |  |
|          | Loop:            | PTD  | Optional (Dependent                  | )   |                   |  |  |  |
|          | Level:           | Detail   | Detail                               |   |                   |  |  |  |
|          | Usage:           | Optional   | Optional (Dependent)                 |   |                   |  |  |  |
|          | Max Use:         | 1  |                                      |   |                   |  |  |  |
|          | Purpose:         | To specif  | To specify pertinent dates and times |   |                   |  |  |  |
| Syn      | tax Notes:       | 1 At le  |                                      |   |                   |  |  |  |
|          |                  | 2 If D'  | •                                    |   |                   |  |  |  |
|          |                  | 3 If eit   | ther DTM05 or DTM0                   | 06 is present, then the other is required.  |                   |  |  |  |
| Semar    | ntic Notes:      |  |                                      |   |                   |  |  |  |
| C        | comments:        |  |                                      |   |                   |  |  |  |
|          |                  | customer<br>this date  | initiated service at th              | utility that supports gas profiles to indic<br>e location for which a gas profile has be<br>gment will not be sent. |                   |  |  |  |
|          | Ref.             | Data   | Data I                               | Element Summary   |                   |  |  |  |
|          | Des.             | Element  | Name                                 |   | Attributes        |  |  |  |
| Mand.    | <b>DTM01</b>     | 374  | Date/Time Qualifie                   | r   | M ID 3/3          |  |  |  |
|          |                  |  | 629                                  | Account Opened  |                   |  |  |  |
|          |                  |  |                                      | Date Customer Initiated Service<br>At the premise for which a gas profile l   | has been created. |  |  |  |
| Must Use | DTM02            | 373  | Date                                 |   | X DT 8/8          |  |  |  |
|          |                  | Date on which customer initiated service in the form CCYYMMDD. |                                      |   |                   |  |  |  |

|          | Segment:             | REF   | Reference Identii     | ication (Utility Rate Service Class)                                 |        |             |  |  |
|----------|----------------------|---|-----------------------|--|--------|-------------|--|--|
|          | Position:            | 030   |                       |  |        |             |  |  |
|          | Loop:                | PTD Optional (Dependent)  |                       |  |        |             |  |  |
|          | Level:               | Detail  |                       |  |        |             |  |  |
|          | Usage:               | Optional  | Optional (Must Use)   |  |        |             |  |  |
|          | Max Use:             | 1   |                       |  |        |             |  |  |
|          | Purpose:             | To specif   | fy identifying inform | ation  |        |             |  |  |
| Synt     | tax Notes:           | 1 At le   | east one of REF02 or  | REF03 is required.   |        |             |  |  |
|          |                      | 2 If eit  | 1                     |  |        |             |  |  |
|          |                      | 3 If eit  | ther C04005 or C040   | 06 is present, then the other is required.                           |        |             |  |  |
| Seman    | tic Notes:           |   |                       |  |        |             |  |  |
| С        | omments:             |   |                       |  |        |             |  |  |
|          | Notes:               | Required  |                       |  |        |             |  |  |
|          |                      | Although the profile is a forecast of gas consumption, this is the current rate class<br>associated with the account for which a gas profile has been requested.<br>REF~NH~A001<br>REF~NH~1150100 |                       |  |        |             |  |  |
|          | Def                  | Data  | Data                  | Element Summary  |        |             |  |  |
|          | Ref.<br><u>Des.</u>  | Data<br>Element   | Name                  |  | A +++  | ributes     |  |  |
| Mand.    | <u>Des.</u><br>REF01 | <u>128</u>  | Reference Identifi    | cation Qualifier   | M      | ID 2/3      |  |  |
| manu.    | KLI VI               | 120   | NH                    | Rate Card Number   | 171    | 10 2/5      |  |  |
|          |                      |   | NП                    |  |        |             |  |  |
|          |                      |   |                       | Utility Rate Service Class   | 1.     | 1           |  |  |
|          |                      |   |                       | REF02 contains the Utility specific rate                             |        |             |  |  |
|          |                      |   |                       | references the service class and rates ap<br>service delivery point. | plicat | ble to this |  |  |
| Must Use | REF02                | 127   | Reference Identifi    | • •  | X      | AN 1/30     |  |  |
| must Osc |                      |   |                       |  | 1      | 111, 1,00   |  |  |
|          |                      | Utility Rate code   |                       |  |        |             |  |  |

|          | Segment:             | REF   | Reference Identi                        | fication (Rate Sub Class)                    |        |                          |  |  |
|----------|----------------------|---|---|--|--------|--------------------------|--|--|
|          | Position:            | 030   |   |  |        |                          |  |  |
|          | Loop:                | PTD   | Optional (Depender                      | nt)  |        |                          |  |  |
|          | Level:               | Detail  |   |  |        |                          |  |  |
|          | Usage:               | Optional  | Optional (Dependent)                    |  |        |                          |  |  |
|          | Max Use:             | 1   |   |  |        |                          |  |  |
|          | <b>Purpose:</b>      | To specify identifying information  |   |  |        |                          |  |  |
| Synt     | tax Notes:           | 1 At least one of REF02 or REF03 is required.   |   |  |        |                          |  |  |
| -        |                      | 2 If eit  | ther C04003 or C040                     | 004 is present, then the other is required.  |        |                          |  |  |
|          |                      |   |   |  |        |                          |  |  |
| Seman    | tic Notes:           | <ol> <li>REF04 contains data relating to the value cited in REF02.</li> </ol>   |   |  |        |                          |  |  |
| C        | omments:             |   |   |  |        |                          |  |  |
|          | Notes:               | Conditional<br>This segment must be sent if a rate subclass is applicable to the service delivery points<br>summarized in this PTD loop.<br>REF~PR~RSVD<br>REF~PR~NRSVD |   |  |        |                          |  |  |
|          | D.C                  |   | Data                                    | Element Summary                              |        |                          |  |  |
|          | Ref.                 | Data  | NT                                      |  |        | ·1                       |  |  |
| Mand.    | <u>Des.</u><br>REF01 | Element   | <u>Name</u><br>Defense as Identifi      | antion Qualifian                             |        | <u>ributes</u><br>ID 2/3 |  |  |
| Mana.    | <b>KEFUI</b>         | 128   | Reference Identifi                      |  | Μ      | ID 2/3                   |  |  |
|          |                      |   | PR                                      | Price Quote Number                           |        |                          |  |  |
|          |                      |   |   | Utility Rate Subclass                        |        |                          |  |  |
| Must Use | REF02                | 127   | Quantity                                |  | Х      | AN 1/30                  |  |  |
|          |                      |   | Provides further cla<br>REF*NH segment. | arification of the Utility Rate Service Clas | s spec | ified in the             |  |  |

|                      | Segment:<br>Position:<br>Loop:<br>Level:<br>Usage:<br>Max Use: | 110<br>QTY<br>Detail  | Quantity (Base)<br>Optional (Dependen<br>(Dependent)             | t)  |              |                           |  |
|----------------------|--|---|--|---|--------------|---------------------------|--|
|                      | Purpose:   | -   | fy quantity information  | n   |              |                           |  |
| Synt                 | tax Notes:   |   | east one of QTY02 or   |   |              |                           |  |
| <b>G</b>             | 4° - NT - 4  |   | y one of QTY02 or QT   |   |              |                           |  |
|                      | tic Notes:<br>omments:   | 1 QTY   | 104 is used when the c   | quantity is non-numeric.  |              |                           |  |
| C                    | Notes:   | Conditio  | nal.   |   |              |                           |  |
|                      |  | This segment will <u>may</u> be sent by KeySpan <u>a utility that supports gas profiles</u> to provide<br>the customer's non-heating load factor.<br>QTY~1Y~12.24~TD<br>QTY~1Y~12.2357~TD |  |   |              |                           |  |
|                      |  |   | Data I   | Element Summary   |              |                           |  |
|                      | Ref.<br>Des.   | Data<br><u>Element</u>  | Name   |   | A ttr        | <u>ibutes</u>             |  |
| Mand.                | <u>DCS.</u><br>QTY01   | 673   | Quantity Qualifier   |   |              | ID 2/2                    |  |
|                      |  |   | 1Y   | Rate Per Day (RPD)  |              |                           |  |
|                      |  |   |  | Rate I el Day (RI D)  |              |                           |  |
|                      |  |   |  | Base Quantity<br>This is the customer's non-heating load f<br>daily consumption.  | factor       | based on                  |  |
| Must Use             | QTY02  | 380   | Quantity   | Base Quantity<br>This is the customer's non-heating load f  | factor<br>X  | based on<br><b>R 1/15</b> |  |
| Must Use             | QTY02  | 380   | - •  | Base Quantity<br>This is the customer's non-heating load f<br>daily consumption.<br>ric factor may be specified by the utility in                           | X            | R 1/15                    |  |
| Must Use<br>Must Use | QTY02<br>QTY03   | 380<br>C001   | The form of a numer  | Base Quantity<br>This is the customer's non-heating load f<br>daily consumption.<br>ric factor may be specified by the utility in<br>ide.                   | X            | R 1/15                    |  |
|                      | -  |   | The form of a numer<br>Maintained EDI Gui                        | Base Quantity<br>This is the customer's non-heating load f<br>daily consumption.<br>ric factor may be specified by the utility in<br>ide.<br><b>Measure</b> | X<br>n its U | <b>R 1/15</b><br>Utility  |  |
|                      | -  |   | The form of a numer<br>Maintained EDI Gui<br>Composite Unit of I | Base Quantity<br>This is the customer's non-heating load f<br>daily consumption.<br>ric factor may be specified by the utility in<br>de.<br>Measure<br>at   | X<br>n its U | R 1/15                    |  |

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|                   |            |   | 7                       |  |        |           |  |
|-------------------|------------|---|-------------------------|--|--------|-----------|--|
|                   | Segment:   | QTY   | Quantity (Slope)        |  |        |           |  |
|                   | Position:  | 110   |                         |  |        |           |  |
|                   | Loop:      | QTY   | Optional (Depender      | nt)  |        |           |  |
|                   | Level:     | Detail  |                         |  |        |           |  |
|                   | Usage:     | Optional  | (Dependent)             |  |        |           |  |
|                   | Max Use:   | 1   |                         |  |        |           |  |
|                   | Purpose:   |   | fy quantity information |  |        |           |  |
| Synt              | tax Notes: |   |                         | r QTY04 is required.   |        |           |  |
| ~                 |            | •   |                         | TY04 may be present.   |        |           |  |
|                   | tic Notes: | 1 QTY04 is used when the quantity is non-numeric. |                         |  |        |           |  |
| C                 | omments:   |   |                         |  |        |           |  |
|                   | Notes:     | Condition   | nal.                    |  |        |           |  |
|                   | Ref.       |   |                         | or.<br>factor is .2303 Therms per day<br>Element Summary   |        |           |  |
|                   | Des.       | Element   | <u>Name</u>             |  |        | ributes   |  |
| Mand.             | QTY01      | 673   | Quantity Qualifier      |  | Μ      | ID 2/2    |  |
|                   |            |   | FJ                      | Trunked Channels   |        |           |  |
|                   |            |   |                         | Slope Quantity<br>This is the customer's weather normaliz<br>based on average daily consumption. | ed loa | ad factor |  |
| Must Use          | QTY02      | 380   | Quantity                |  | Х      | R 1/15    |  |
|                   |            |   | A numeric factor in     | the form x.xxxx.   |        |           |  |
| Must Use          | QTY03      | C001  | Composite Unit of       | Measure  | 0      |           |  |
|                   | <b>.</b>   |   | Unit of Measureme       |  |        |           |  |
| Mand.             | C00101     | 355   |                         | Measurement Code   | М      | ID 2/2    |  |
| 17 <b>1</b> 411U. | 00101      | 555   | TD                      | Therms   | TAT    | 117 414   |  |
|                   |            |   | ID                      | 1 1101 1115  |        |           |  |

| 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         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 |
|--|
| Position:110Loop:QTYOptional (Dependent)Level:DetailUsage:Optional (Dependent)Max Use:1Purpose:To specify quantity informationSyntax Notes:1At least one of QTY02 or QTY04 is required.<br>2Semantic Notes:<br>Comments:1QTY04 is used when the quantity is non-numeric.Notes:Conditional.This segment may be sent by a utility that supports gas profiles to provide a load factor<br>expressed as the ratio of non-heating to heating daily demand.QTY~LP~3.03 The ratio is approximately 1:3 for this customerData Element Summary  |
| Level:DetailUsage:Optional (Dependent)Max Use:1Purpose:To specify quantity informationSyntax Notes:1At least one of QTY02 or QTY04 is required.2Only one of QTY02 or QTY04 may be present.Semantic Notes:<br>Comments:1QTY04 is used when the quantity is non-numeric.Notes:Conditional.This segment may be sent by a utility that supports gas profiles to provide a load factor<br>expressed as the ratio of non-heating to heating daily demand.QTY~LP~3.03 The ratio is approximately 1:3 for this customerData Element Summary  |
| Usage: Optional (Dependent)<br>Max Use: 1<br>Purpose: To specify quantity information<br>Syntax Notes: 1 At least one of QTY02 or QTY04 is required.<br>2 Only one of QTY02 or QTY04 may be present.<br>2 Only one of QTY02 or QTY04 may be present.<br>1 QTY04 is used when the quantity is non-numeric.<br>Comments:<br>Notes: Conditional.<br>This segment may be sent by a utility that supports gas profiles to provide a load factor<br>expressed as the ratio of non-heating to heating daily demand.<br>QTY~LP~3.03 The ratio is approximately 1:3 for this customer<br>Data Element Summary   |
| 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  |
| 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  |
| Syntax Notes:       1       At least one of QTY02 or QTY04 is required.         2       Only one of QTY02 or QTY04 may be present.         1       QTY04 is used when the quantity is non-numeric.         Comments:       Conditional.         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   |
| Syntax Notes:       1       At least one of QTY02 or QTY04 is required.         2       Only one of QTY02 or QTY04 may be present.         1       QTY04 is used when the quantity is non-numeric.         Comments:       Conditional.         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   |
| Semantic Notes:<br>Comments:<br>Notes:       2       Only one of QTY02 or QTY04 may be present.<br>1       1         QTY04 is used when the quantity is non-numeric.       1       Only one of QTY02 or QTY04 may be present.<br>1         Notes:       1       QTY04 is used when the quantity is non-numeric.         Conditional.       Conditional.         This segment may be sent by a utility that supports gas profiles to provide a load factor<br>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  |
| 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   |
| 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   |
| 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.<br>QTY~LP~3.03 The ratio is approximately 1:3 for this customer<br>Data Element Summary   |
| expressed as the ratio of non-heating to heating daily demand.<br>QTY~LP~3.03 The ratio is approximately 1:3 for this customer<br>Data Element Summary   |
| expressed as the ratio of non-heating to heating daily demand.<br>QTY~LP~3.03 The ratio is approximately 1:3 for this customer<br>Data Element Summary   |
| QTY~LP~3.03 The ratio is approximately 1:3 for this customer<br>Data Element Summary   |
| Data Element Summary   |
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|  |
| Des. Element Name <u>Attributes</u>  |
| Mand. QTY01 673 Quantity Qualifier M ID 2/2  |
| LP Lease Periods   |
| Load Factor  |
| Expressed as the ratio of non-heating to heating daily   |
| demand.  |
|  |
| Must Use QTY02 380 Quantity X R 1/15   |

|          | с ,                   | ΟΤ  | Quantity (UFG I                                 | • • • • • • • • • • • • • • • • • • •          |       |                |  |  |
|----------|-----------------------|---|---|--|-------|----------------|--|--|
|          | Segment:              | -   | L Quantity (UFG F                               | (ate)  |       |                |  |  |
|          | Position:             | 110<br>OTV  |   |  |       |                |  |  |
|          | Loop:                 | QTY   | Optional (Depender                              | it)  |       |                |  |  |
|          | Level:                | Detail  | (Demendent)                                     |  |       |                |  |  |
|          | Usage:<br>Max Use:    | Optional  | (Dependent)                                     |  |       |                |  |  |
|          |                       | I<br>To smooth  | for amontity informatic                         |  |       |                |  |  |
|          | Purpose:<br>ax Notes: |   | fy quantity information<br>east one of QTY02 or |  |       |                |  |  |
| Synt     | ax mutes.             |   |   | TY04 may be present.                           |       |                |  |  |
| Seman    | tic Notes:            |   |   | quantity is non-numeric.                       |       |                |  |  |
| 10 1     | omments:              | I QII   | 04 is used when the                             | quantity is non-numeric.                       |       |                |  |  |
| U        | Notes:                | Conditio  | nal.  |  |       |                |  |  |
|          | 1.00000               | Contantio   |   |  |       |                |  |  |
|          |                       | 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.                  | Data  |   | •  |       |                |  |  |
|          | Des.                  | <b>Element</b>  | Name  |  | Att   | <u>ributes</u> |  |  |
| Mand.    | QTY01                 | 673   | Quantity Qualifier                              |  | Μ     | ID 2/2         |  |  |
|          |                       |   | LH  | Lost Gas                                       |       |                |  |  |
|          |                       |   |   | UFG Rate                                       |       |                |  |  |
|          |                       |   |   | Factor used to estimate lost and unaccou       | inted | for gas.       |  |  |
| Must Use | QTY02                 | 380   | Quantity  |  | Χ     | R 1/15         |  |  |
|          | -                     |   | Show whole percen                               | ts with decimal points: $2.1 = 2.1\%$ , .500 = | .5%   | . etc.         |  |  |
| Must Use | QTY03                 | C001  | Composite Unit of                               | -  | 0     | ,              |  |  |
| must ose | QIIOS                 | 0001  | Unit of Measuremen                              |  | U     |                |  |  |
| N. 1     | 000101                | 255   |   |  |       | ID 0/0         |  |  |
| Mand.    | C00101                | 355   | Unit or Basis for M                             |  | Μ     | ID 2/2         |  |  |
|          |                       |   | TD  | Therms   |       |                |  |  |

TD

|          | a i                    | OTY  |   |                      |                   |  |  |  |
|----------|------------------------|--|---|----------------------|-------------------|--|--|--|
|          | Segment:               |  | Quantity (Maximum Delivery)   |                      |                   |  |  |  |
|          | Position:              | 110  |   |                      |                   |  |  |  |
|          | Loop:                  | QTY  | Optional (Dependent)  |                      |                   |  |  |  |
|          | Level:                 | Detail   |   |                      |                   |  |  |  |
|          | Usage:                 | Optional                                       | (Dependent)   |                      |                   |  |  |  |
|          | Max Use:               | 1  |   |                      |                   |  |  |  |
|          | Purpose:               |  | fy quantity information   |                      |                   |  |  |  |
| Synt     | tax Notes:             | <b>1</b> At le                                 | east one of QTY02 or QTY04 is required.   |                      |                   |  |  |  |
|          |                        | 2 Only   | one of QTY02 or QTY04 may be present.   |                      |                   |  |  |  |
| Seman    | tic Notes:             | 1 QTY  | 704 is used when the quantity is non-numeric.   |                      |                   |  |  |  |
| C        | omments:               |  | · · · · · · · · · · · · · · · · · · ·   |                      |                   |  |  |  |
|          | Notes:                 | Conditional.                                   |   |                      |                   |  |  |  |
|          |                        |  |   |                      |                   |  |  |  |
|          |                        |  | n Monthly Delivery Quantity for the profile period for the acco<br>G~2131~TD<br>Data Element Summary  | ount r               | equested.         |  |  |  |
|          | Ref.                   |  |   | ount r               | equested.         |  |  |  |
|          | Ref.<br><u>Des.</u>    | QTY~CO   | G~2131~TD   |                      | equested.         |  |  |  |
| Mand.    |                        | QTY~CO<br>Data                                 | G~2131~TD<br>Data Element Summary   | Attı                 |                   |  |  |  |
| Mand.    | Des.                   | QTY~CO<br>Data<br><u>Element</u>               | G~2131~TD<br>Data Element Summary<br><u>Name</u>  | Attı                 | ributes           |  |  |  |
| Mand.    | Des.                   | QTY~CO<br>Data<br><u>Element</u>               | G~2131~TD<br>Data Element Summary<br>Name<br>Quantity Qualifier<br>CG Cumulative Gas Volume   | Attı                 | ributes           |  |  |  |
| Mand.    | Des.                   | QTY~CO<br>Data<br><u>Element</u>               | G~2131~TD Data Element Summary           Name<br>Quantity Qualifier         CG         Cumulative Gas Volume           Maximum Delivery Quantity         Maximum Delivery Quantity          | Attı<br>M            | ributes           |  |  |  |
|          | <u>Des.</u><br>QTY01   | QTY~CO<br>Data<br><u>Element</u><br>673        | G-2131~TD Data Element Summary Name Quantity Qualifier CG Cumulative Gas Volume Maximum Delivery Quantity For the period covered by the gas profile   | Attı<br>M            | ributes<br>ID 2/2 |  |  |  |
| Must Use | Des.<br>QTY01<br>QTY02 | QTY~CO<br>Data<br><u>Element</u><br>673<br>380 | G-2131~TD<br>Data Element Summary<br><u>Name</u><br>Quantity Qualifier<br>CG<br>Cumulative Gas Volume<br>Maximum Delivery Quantity<br>For the period covered by the gas profile<br>Quantity | Attı<br>M<br>e.<br>X | ributes           |  |  |  |
|          | <u>Des.</u><br>QTY01   | QTY~CO<br>Data<br><u>Element</u><br>673        | G-2131~TD Data Element Summary Name Quantity Qualifier CG Cumulative Gas Volume Maximum Delivery Quantity For the period covered by the gas profile   | Attu<br>M            | ributes<br>ID 2/2 |  |  |  |

Therms

|          | Segment:                | PTD                                   | Product Tra  | nsfer and Resale Detail (Gas Profile Dat  | ta)                   |                       |
|----------|-------------------------|---------------------------------------|--|---|-----------------------|-----------------------|
|          | Position:               | 010                                   |  | ,   | ,                     |                       |
|          | Loop:                   | PTD                                   | Optional (Depe   | endent)   |                       |                       |
|          | Level:                  | Detail                                | 1 1  | ,   |                       |                       |
|          | Usage:                  | Optional                              | (Dependent)  |   |                       |                       |
|          | Max Use:                | 1                                     |  |   |                       |                       |
|          | Purpose:                | To indica<br>identifyii               |  | etail information relating to the transfer/res  | sale of a p           | roduct and provid     |
| Syn      | tax Notes:              | •                                     | -  | PTD03 is present, then the other is required  | 1.                    |                       |
| •        |                         |                                       |  | PTD05 is present, then the other is required  |                       |                       |
| 10 0     | ntic Notes:<br>omments: | Conditio                              |  |   |                       |                       |
|          |                         | either a r<br>Utilities<br>in the gas | nonth or an ann<br>that support gas<br>s profile and opt<br>I~~~OZ~GAS | segment is sent in each PTD loop to identi-<br>ual period, associated with the data sent in<br>profiles will send 12 PTD*SM loops - one<br>tionally, a 13th PTD*SM loop for annual to | the QTY<br>e for each | loop.<br>report month |
|          |                         |                                       | ]  | Data Element Summary  |                       |                       |
|          | Ref.                    | Data                                  |  |   |                       |                       |
|          | Des.                    | Element                               | <u>Name</u>  |   |                       | ributes               |
| Mand.    | PTD01                   | 521                                   |  | sfer Type Code  | N                     | ID 2/2                |
|          |                         |                                       | SM   | Sample  |                       |                       |
|          |                         |                                       |  | Gas Profile Data  |                       |                       |
|          |                         |                                       |  | This PTD loop contains forecast me<br>gas consumption data for this custo   |                       | d annual,             |
| Must Use | PTD04                   | 128                                   | <b>Reference Ide</b>   | entification Qualifier  | Х                     | ID 2/3                |
|          |                         |                                       | OZ   | Product Number  |                       |                       |
| Must Use | PTD05                   | 127                                   | Reference Ide  | entification  | X                     | AN 1/30               |
|          |                         |                                       | <b>C</b> + C   |   |                       |                       |

Gas Service

GAS

| 111 007 001 | , amp tion 1115 |  | Л                       | <u> </u>                                    |        |           |  |  |
|-------------|-----------------|--|-------------------------|---|--------|-----------|--|--|
|             | Segment:        | DIN  | Date/Time Refe          | erence (Report Month)                       |        |           |  |  |
|             | Position:       | 020  | 020                     |   |        |           |  |  |
|             | Loop:           | PTD  |                         |   |        |           |  |  |
|             | Level:          | Detail   |                         |   |        |           |  |  |
|             | Usage:          | Optional   | (Dependent)             |   |        |           |  |  |
|             | Max Use:        | 1  |                         |   |        |           |  |  |
| a           | Purpose:        |  | fy pertinent dates and  |   |        |           |  |  |
| Synt        | tax Notes:      |  |                         | DTM03 or DTM05 is required.                 |        |           |  |  |
|             |                 |  | -                       | n DTM03 is required.                        |        |           |  |  |
| Somo        | tic Notes:      | 3 If eit   | ther DTM05 or DTM       | 106 is present, then the other is required. |        |           |  |  |
|             | omments:        |  |                         |   |        |           |  |  |
| C           | Notes:          |  |                         |   |        |           |  |  |
|             | 1000050         | . Conditional  |                         |   |        |           |  |  |
|             |                 | 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.   |                         |   |        |           |  |  |
|             |                 | -  |                         | Report period is January                    |        |           |  |  |
|             |                 | DTM~58   | 32~~~MM~10 F            | Report period is Octobor                    |        |           |  |  |
|             |                 |  |                         |   |        |           |  |  |
|             |                 |  | Data                    | Element Summary                             |        |           |  |  |
|             | Ref.            | Data   |                         |   | • • •  |           |  |  |
| Maad        | Des.            | Element  | <u>Name</u>             | •   |        | ributes   |  |  |
| Mand.       | DTM01           | 374  | Date/Time Qualifi       |   | IVI    | ID 3/3    |  |  |
|             |                 |  | 582                     | Report Period                               |        |           |  |  |
|             |                 |  |                         | Reporting month associated with the ga      | s prof | ïle data. |  |  |
| Must Use    | DTM05           | 1250   | Date Time Period        | Format Qualifier                            | Х      | ID 2/3    |  |  |
|             |                 |  | MM                      | Month of Year in Numeric Format             |        |           |  |  |
| Must Use    | DTM06           | 1251   | <b>Date Time Period</b> |   | Х      | AN 1/35   |  |  |
|             |                 |  | The month for which     | ch QTY Loop values apply in the form MI     | M i.e. | 01 =      |  |  |
|             |                 |  | January, 02 = Febr      | uary, etc.                                  |        |           |  |  |
|             |                 |  |                         |   |        |           |  |  |

|          | Segment:   | DTN  | <b>I</b> Date/Time Refe                           | rence (Annual Period)  |        |              |  |  |
|----------|------------|--|---|--|--------|--------------|--|--|
|          | Position:  | 020  |   |  |        |              |  |  |
|          | Loop:      | PTD  | Optional (Dependen                                | t)   |        |              |  |  |
|          | Level:     | Detail   | Detail  |  |        |              |  |  |
|          | Usage:     | Optional   | ptional (Dependent)                               |  |        |              |  |  |
|          | Max Use:   | 1  |   |  |        |              |  |  |
|          | Purpose:   | To specif  | fy pertinent dates and                            | times  |        |              |  |  |
| Synt     | tax Notes: | 1 At le  | At least one of DTM02 DTM03 or DTM05 is required. |  |        |              |  |  |
|          |            | 2 If D   | •   |  |        |              |  |  |
|          |            | 3 If either DTM05 or DTM06 is present, then the other is required.     |   |  |        |              |  |  |
| 10 1     | tic Notes: |  |   |  |        |              |  |  |
| С        | Comments:  |  |   |  |        |              |  |  |
|          | Notes:     | Conditional  |   |  |        |              |  |  |
|          |            | This segr  | nent may be sent by a                             | a utility that supports gas profiles to descr                              | ibe th | e Annual     |  |  |
|          |            | Period associated with the forecast total quantities in a gas profile. |   |  |        |              |  |  |
|          |            |  |   | 930 Annual period is from October to th                                    | e fol  | lowing Sept. |  |  |
|          |            |  |   |  |        |              |  |  |
|          |            | _  | Data  | Element Summary  |        |              |  |  |
|          | Ref.       | Data   | N   |  | • • •  | •1           |  |  |
|          | Des.       | Element  | Name  |  |        | ributes      |  |  |
| Mand.    | DTM01      | 374  | Date/Time Qualifie                                |  | Μ      | ID 3/3       |  |  |
|          |            |  | 582   | Report Period  |        |              |  |  |
| Must Use | DTM05      | 1250   | Date Time Period                                  | Format Qualifier   | Х      | ID 2/3       |  |  |
|          |            |  | RMD   | Range of Months and Days Expressed in MMDD                                 | 1 For  | mat MMDD-    |  |  |
| Must Use | DTM06      | 1251   | <b>Date Time Period</b>                           |  | Х      | AN 1/35      |  |  |
|          |            |  | 0 0   | month and day for which amounts in the SM are reported in the form MMDD-MM | -      | loops        |  |  |

|          | Segment:        | ΟΤΥ  | Quantity (Project      | ed Usage - Normal)                 |               |               |  |  |  |
|----------|-----------------|--|------------------------|------------------------------------|---------------|---------------|--|--|--|
|          | Position:       | 110  |                        |                                    |               |               |  |  |  |
|          | Loop:           | QTY  | Optional (Dependent    | )                                  |               |               |  |  |  |
|          | Level:          | Detail   |                        |                                    |               |               |  |  |  |
|          | Usage:          | Optional   | (Dependent)            |                                    |               |               |  |  |  |
|          | Max Use:        | 1  | -                      |                                    |               |               |  |  |  |
|          | <b>Purpose:</b> | To specif  | y quantity information | L                                  |               |               |  |  |  |
| Synt     | ax Notes:       | 1 At le  | ast one of QTY02 or    | QTY04 is required.                 |               |               |  |  |  |
|          |                 | 2 Only   | one of QTY02 or QT     | Y04 may be present.                |               |               |  |  |  |
| Seman    | tic Notes:      | 1 QTY  | 704 is used when the q | uantity is non-numeric.            |               |               |  |  |  |
| C        | omments:        | Conditio   |                        |                                    |               |               |  |  |  |
|          |                 | This segment may be sent by a utility that supports gas profiles to report the forecasted normal use for the period indicated in the DTM segment.<br>QTY~99~4880.00~TD |                        |                                    |               |               |  |  |  |
|          |                 |  | Data E                 | lement Summary                     |               |               |  |  |  |
|          | Ref.            | Data   |                        |                                    |               |               |  |  |  |
|          | Des.            | Element  | Name                   |                                    |               | <u>ibutes</u> |  |  |  |
| Mand.    | QTY01           | 673  | Quantity Qualifier     |                                    | M             | ID 2/2        |  |  |  |
|          |                 |  | 99                     | Quantity Used                      |               |               |  |  |  |
|          |                 |  |                        | Normal projected gas usage for the | he period inc | licated.      |  |  |  |
| Must Use | QTY02           | 380  | Quantity               |                                    | Х             | R 1/15        |  |  |  |
| Must Use | QTY03           | C001   | Composite Unit of M    | Ieasure                            | 0             |               |  |  |  |
|          | -               |  | Unit of Measurement    |                                    |               |               |  |  |  |
| Mand.    | C00101          | 355  | Unit or Basis for M    | easurement Code                    | Μ             | ID 2/2        |  |  |  |

Therms

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|                  | •          |           | 7                                 |   |       |         |
|------------------|------------|-----------|-----------------------------------|---|-------|---------|
|                  | Segment:   | U I J     | L Quantity (Projec                | ted Monthly Usage)  |       |         |
|                  | Position:  | 110       |                                   |   |       |         |
|                  | Loop:      | QTY       | Optional (Depender                | nt)   |       |         |
|                  | Level:     | Detail    |                                   |   |       |         |
|                  | Usage:     | Optional  | (Dependent)                       |   |       |         |
|                  | Max Use:   | 1         |                                   |   |       |         |
|                  | Purpose:   | 1         | fy quantity information           |   |       |         |
| Synt             | ax Notes:  |           | east one of QTY02 or              |   |       |         |
|                  |            | •         |                                   | TY04 may be present.  |       |         |
| 10 0 1 1 1 1 1 1 | tic Notes: | 1 QTY     | 704 is used when the              | quantity is non-numeric.  |       |         |
| C                | omments:   |           |                                   |   |       |         |
|                  | Notes:     | Condition | nal                               |   |       |         |
|                  |            | monthly   | weather normalized u<br>Y~5075~TD | a utility that supports gas profiles to reports gas profiles to reports gas (including line losses).<br>Element Summary |       |         |
|                  | Ref.       | Data      |                                   |   |       |         |
|                  | Des.       | Element   | Name                              |   | Att   | ributes |
| Mand.            | QTY01      | 673       | Quantity Qualifier                |   | Μ     | ID 2/2  |
|                  |            |           | AY                                | Forecast  |       |         |
|                  |            |           |                                   | Projected Monthly Usage<br>QTY02 contains a projected monthly w<br>normalized usage which includes line lo              |       | r       |
| Must Use         | QTY02      | 380       | Quantity                          |   | Х     | R 1/15  |
| Must Use         | QTY03      | C001      | Composite Unit of                 | Measure   | 0     |         |
|                  | L.         |           | Unit of Measuremen                |   |       |         |
| Mand.            | C00101     | 355       | Unit or Basis for M               |   | М     | ID 2/2  |
|                  | 200101     |           | TD                                | Therms  | 1.1.1 | =: =    |
|                  |            |           | 1D                                | 11011115  |       |         |

|          | Segment:             | ΟΤΥ             | Ouantity (Projec                  | ted Delivery - Normal)   |        |                     |
|----------|----------------------|-----------------|-----------------------------------|--|--------|---------------------|
|          | Position:            | 110             | <b>L</b> Quantity (110jee         |  |        |                     |
|          | Loop:                | QTY             | Optional (Dependen                | t)   |        |                     |
|          | Level:               | Detail          | Optional (Dependen                |  |        |                     |
|          | Usage:               |                 | (Dependent)                       |  |        |                     |
|          | Max Use:             | 1               | ( F )                             |  |        |                     |
|          | <b>Purpose:</b>      | To specif       | fy quantity informatio            | n  |        |                     |
| Synt     | ax Notes:            |                 | east one of QTY02 or              |  |        |                     |
| ·        |                      |                 |                                   | TY04 may be present.   |        |                     |
| Seman    | tic Notes:           | 1 QTY           | 704 is used when the              | quantity is non-numeric.   |        |                     |
| С        | omments:             |                 |                                   |  |        |                     |
|          | Notes:               | Condition       | nal                               |  |        |                     |
|          | D.C.                 | QTY~QI          | D~5075~TD                         | y for the period indicated.<br>Element Summary   |        |                     |
|          | Ref.                 | Data<br>Element | Nomo                              |  | A ++-  | ributes             |
| Mand.    | <u>Des.</u><br>QTY01 | <u>673</u>      | <u>Name</u><br>Quantity Qualifier |  |        | ID 2/2              |
| manu.    | QIIOI                | 075             |                                   | Quantity Delivered   | 171    | 11/ 2/2             |
|          |                      |                 | QD                                | ÷ ,  |        |                     |
|          |                      |                 |                                   | Projected Delivery - Normal<br>Normal projected gas delivery quantity<br>month indicated | for th | e report            |
| Must Use | QTY02                | 380             | Quantity                          |  | Х      | R 1/15              |
| Must Use | QTY03                | C001            | Composite Unit of                 | Measure  | 0      |                     |
|          | -                    |                 | Unit of Measuremer                | nt   |        |                     |
| Mand.    | C00101               | 355             | Unit or Basis for M               |  | М      | ID 2/2              |
|          | 200101               |                 | TD                                | Therms   |        | <b>_</b> , <b>_</b> |
|          |                      |                 |                                   |  |        |                     |

|          | -          |                | 7   |  |       |               |
|----------|------------|----------------|---|--|-------|---------------|
|          | Segment:   | QD             | Quantity (Projec  | ted Monthly Delivery Quantity)                         |       |               |
|          | Position:  | 110            |   |  |       |               |
|          | Loop:      | QTY            | Optional (Dependen  | nt)  |       |               |
|          | Level:     | Detail         |   |  |       |               |
|          | Usage:     | Optional       | (Dependent)   |  |       |               |
| -        | Max Use:   | 1              |   |  |       |               |
|          | Purpose:   | To specif      | fy quantity informatio                                      | n  |       |               |
| Synt     | ax Notes:  | 1 At le        | east one of QTY02 or  | QTY04 is required.                                     |       |               |
|          |            | 2 Only         | one of QTY02 or Q   | TY04 may be present.                                   |       |               |
| Seman    | tic Notes: | 1 QTY          | 704 is used when the  | quantity is non-numeric.                               |       |               |
| C        | omments:   |                |   |  |       |               |
|          | Notes:     | Condition      | nal   |  |       |               |
|          |            | delivery       | nent may be sent by a<br>quantity for the report<br>~131~TD | a utility to report the projected weather not t month. | ormal | lized monthly |
|          |            |                | <b>Data</b> 1   | Element Summary  |       |               |
|          | Ref.       | Data           |   |  |       |               |
|          | Des.       | <u>Element</u> | Name  |  |       | ributes       |
| Mand.    | QTY01      | 673            | Quantity Qualifier  |  | Μ     | ID 2/2        |
|          |            |                | 70  | Maximum Order Quantity                                 |       |               |
|          |            |                |   | Projected Monthly Delivery Quantity                    |       |               |
|          |            |                |   | A projected weather normalized delivery                | y qua | ntity for the |
|          |            |                |   | report month indicated.                                |       |               |
| Must Use | QTY02      | 380            | Quantity  |  | Х     | R 1/15        |
| Must Use | QTY03      | C001           | Composite Unit of   | Measure  | 0     |               |
|          |            |                | Unit of Measuremer  | ıt   |       |               |
| Mand.    | C00101     | 355            | Unit or Basis for M   | leasurement Code                                       | Μ     | ID 2/2        |
|          |            |                | TD  | Therms   |       |               |

|          |                 | ΟΤ   |                       | cted Daily Delivery Quantity)   |     |                |
|----------|-----------------|--|-----------------------|---|-----|----------------|
|          | Segment:        | -  | L Quantity (Proje     | cted Dany Denvery Quantity)   |     |                |
|          | Position:       | 110<br>QTY   | Ontional (Dananda     | nt  |     |                |
|          | Loop:<br>Level: | Detail   | Optional (Depende     |   |     |                |
|          | Usage:          |  | (Dependent)           |   |     |                |
|          | Max Use:        | 1  | (Dependent)           |   |     |                |
|          | Purpose:        | To speci   | fy quantity informati | on  |     |                |
| Synt     | ax Notes:       |  |                       | or QTY04 is required.   |     |                |
| ·        |                 |  | -                     | TY04 may be present.  |     |                |
| Seman    | tic Notes:      | 1 QTY  | 704 is used when the  | quantity is non-numeric.  |     |                |
| С        | omments:        |  |                       |   |     |                |
|          | Notes:          | Conditio   | nal                   |   |     |                |
|          |                 | 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.<br>QTY~WD~123~TD |                       |   |     |                |
|          |                 |  | Data                  | Element Summary   |     |                |
|          | Ref.            | Data   |                       | ·   |     |                |
|          | Des.            | <b>Element</b>   | <u>Name</u>           |   | Att | <u>ributes</u> |
| Mand.    | QTY01           | 673  | Quantity Qualifie     | r   | Μ   | ID 2/2         |
|          |                 |  | WD                    | Units Worked per Day  |     |                |
|          |                 |  |                       | Projected Daily Delivery Quantity<br>Forecast quantity for the report month i<br>on weather normalization and including |     |                |
| Must Use | QTY02           | 380  | Quantity              |   | X   | R 1/15         |
| Must Use | QTY03           | C001   | Composite Unit o      | f Measure   | 0   |                |
|          |                 |  | Unit of Measureme     | ent   |     |                |
| Mand.    | C00101          | 355  | Unit or Basis for 1   | Measurement Code  | Μ   | ID 2/2         |
|          |                 |  | TD                    | Therms  |     |                |
|          |                 |  |                       |   |     |                |

|                     | Segment:             | ΟΤ             | Oughtity (Projo                    | ted Usage - Design)      |     |                                     |
|---------------------|----------------------|----------------|------------------------------------|--------------------------|-----|-------------------------------------|
|                     | Position:            | 110            |                                    | tteu Usage - Design)     |     |                                     |
|                     | Loop:                | QTY            | Optional (Depender                 | at)                      |     |                                     |
|                     | Loop.<br>Level:      | Detail         | Optional (Depender                 | it)                      |     |                                     |
|                     | Usage:               |                | (Dependent)                        |                          |     |                                     |
|                     | Max Use:             | 1              | (Dependent)                        |                          |     |                                     |
|                     | Purpose:             |                | fy quantity information            | n                        |     |                                     |
| Svnt                | tax Notes:           | 1              |                                    | QTY04 is required.       |     |                                     |
| <i>S</i> <b>J 1</b> |                      |                | -                                  | TY04 may be present.     |     |                                     |
| Seman               | tic Notes:           |                |                                    | quantity is non-numeric. |     |                                     |
|                     | omments:             | (              |                                    | 1                        |     |                                     |
|                     | Notes:               | Conditio       | nal                                |                          |     |                                     |
|                     |                      | - ·            | l gas usage on a desig<br>0~130~TD |                          |     |                                     |
|                     | D f                  | <b>D</b> (     | Data                               | Element Summary          |     |                                     |
|                     | Ref.                 | Data           | N                                  |                          |     | · <b>1</b> - 4                      |
| Mand.               | <u>Des.</u><br>QTY01 | Element<br>673 | <u>Name</u><br>Quantity Qualifier  |                          |     | <u>ributes</u><br>ID 2/2            |
|                     | QIIUI                | 075            |                                    |                          | IVI | $\mathbf{ID} \mathbf{Z} \mathbf{Z}$ |
|                     |                      |                | 9D                                 | Engineered Standard      |     |                                     |
|                     |                      |                |                                    | Projected Usage - Design |     |                                     |
| Must Use            | QTY02                | 380            | Quantity                           |                          | Х   | R 1/15                              |
| Must Use            | QTY03                | C001           | Composite Unit of                  | Measure                  | 0   |                                     |
|                     |                      |                | Unit of Measureme                  | nt                       |     |                                     |
| Mand.               | C00101               | 355            | Unit or Basis for N                | Aeasurement Code         | Μ   | ID 2/2                              |

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|                    | Segment:             |                | Quantity (Project      | ted Delivery - Design)   |       |         |
|--------------------|----------------------|----------------|------------------------|--|-------|---------|
|                    | Position:            | 110            |                        | × .  |       |         |
|                    | Loop:                | QTY            | Optional (Dependent    | t)   |       |         |
|                    | Level:               | Detail         |                        |  |       |         |
|                    | Usage:               |                | (Dependent)            |  |       |         |
|                    | Max Use:             | 1              |                        |  |       |         |
| <b>C</b>           | Purpose:             |                | y quantity information |  |       |         |
| Syn                | tax Notes:           |                | ast one of QTY02 or    |  |       |         |
|                    |                      |                | one of QTY02 or QT     | quantity is non-numeric.   |       |         |
|                    | omments:             | 1 QTY          | 04 is used when the c  | quantity is non-numeric.   |       |         |
| Notes: Conditional |                      |                |                        |  |       |         |
|                    | 11000050             | Condition      |                        |  |       |         |
|                    | Ref.                 | QTY~DI<br>Data | D~120~TD<br>Data I     | Element Summary  |       |         |
|                    | Des.                 | Element        | Name                   |  | A ++- | ributes |
| Mand.              | <u>Des.</u><br>QTY01 | <u>673</u>     | Quantity Qualifier     |  | M     | ID 2/2  |
| Wianu.             | QIIOI                | 075            | Quantity Quanner       |  | 171   | 110 2/2 |
|                    |                      |                | DD                     | Distributed  |       |         |
|                    |                      |                |                        | Projected Delivery Quantity<br>QTY02 contains a projected delivery qu<br>design factors for the report month indic | •     |         |
| Must Use           | QTY02                | 380            | Quantity               |  | Х     | R 1/15  |
| Must Use           | QTY03                | C001           | Composite Unit of I    | Measure  | 0     |         |
|                    |                      |                | Unit of Measuremen     |  |       |         |
| Mand.              | C00101               | 355            | Unit or Basis for M    | leasurement Code   | М     | ID 2/2  |
|                    |                      |                | TD                     | Therms   | 1.1   | =: =    |
|                    |                      |                | 10                     | 1 1101 1115  |       |         |

|          | -<br>-             | ОТУ   | Quantity (Project      |   |         |                |  |
|----------|--------------------|---|------------------------|---|---------|----------------|--|
|          | Segment:           |   | L Quantity (Project    | ted Balancing Use)  |         |                |  |
|          | Position:<br>Loop: | 110<br>QTY  | Optional (Dependen     | t)  |         |                |  |
|          | Level:             | Detail  | Optional (Dependen     | ()  |         |                |  |
|          | Usage:             |   | (Dependent)            |   |         |                |  |
|          | Max Use:           | 1   | (Dependent)            |   |         |                |  |
|          | Purpose:           |   | fy quantity informatio | n   |         |                |  |
| Synt     | ax Notes:          |   | east one of QTY02 or   |   |         |                |  |
| -        |                    | 2 Only  | one of QTY02 or Q      | ΓY04 may be present.  |         |                |  |
| Seman    | tic Notes:         | 1 QTY   | 704 is used when the d | quantity is non-numeric.  |         |                |  |
| C        | omments:           |   |                        |   |         |                |  |
|          | Notes:             | Condition   | nal                    |   |         |                |  |
|          |                    | A utility may send this segment to report the difference between the average daily usage<br>for an historical monthly billing period (weather normalized) and the average daily<br>summer usage.<br>QTY~BA~123~TD |                        |   |         |                |  |
|          |                    |   | Data 1                 | Element Summary   |         |                |  |
|          | Ref.               | Data  |                        |   |         |                |  |
|          | Des.               | <u>Element</u>  | Name                   |   |         | <u>ributes</u> |  |
| Mand.    | QTY01              | 673   | Quantity Qualifier     |   | Μ       | ID 2/2         |  |
|          |                    |   | BA                     | Due-In  |         |                |  |
|          |                    |   |                        | Projected Balancing Use<br>The difference between the average dai<br>historical monthly billing period (weath<br>and the average daily summer usage for<br>indicated. | ner nor | malized)       |  |
| Must Use | QTY02              | 380   | Quantity               |   | Х       | R 1/15         |  |
| Must Use | QTY03              | C001  | Composite Unit of      | Measure   | 0       |                |  |
|          |                    |   | Unit of Measuremen     | ıt  |         |                |  |
| Mand.    | C00101             | 355   | Unit or Basis for M    | leasurement Code  | Μ       | ID 2/2         |  |
|          |                    |   | TD                     | Therms  |         |                |  |

|            | Segment:             | <b>AM</b>  | T Monetary Amou                | nt (Projected Swing Charges)                             |        |          |
|------------|----------------------|------------|--------------------------------|--|--------|----------|
|            | <b>Position:</b>     | 140        |                                |  |        |          |
|            | Loop:                | QTY        | Optional (Dependen             | t)   |        |          |
|            | Level:               | Detail     |                                |  |        |          |
|            | Usage:               | Optional   | (Dependent)                    |  |        |          |
|            | Max Use:             | 1          |                                |  |        |          |
|            | <b>Purpose:</b>      | To indica  | ate the total monetary         | amount   |        |          |
| Sy         | ntax Notes:          |            |                                |  |        |          |
| 10 1 1 1 1 | ntic Notes:          |            |                                |  |        |          |
|            | Comments:            |            |                                |  |        |          |
|            | Notes:               | Conditio   | nal                            |  |        |          |
|            |                      | the repor  | t month indicated.<br>W~100.00 | t to report the forecasted charges for bal               |        | 5 5 - 1  |
|            | Ref.                 | Data       | Data I                         | Element Summary  |        |          |
|            | Des.                 | Element    | Name                           |  | A +++  | ributes  |
| Mand.      | <u>Des.</u><br>AMT01 | <u>522</u> | Amount Qualifier (             | Code   |        | ID 1/3   |
| manu.      |                      | 522        | SW                             | Base Award Fee   | 111    | 10 1/5   |
|            |                      |            | 5 W                            | Duserrinuleree   |        |          |
|            |                      |            |                                | Projected Swing Charges                                  | c .1   |          |
|            |                      |            |                                | Forecast charges for balancing services month indicated. | for th | e report |
| Mand.      | AMT02                | 782        | Monetary Amount                |  | Μ      | R 1/18   |

| Segment:         | <b>PTD</b> 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:  |   |
| <b>Comments:</b> |   |
| Notes:           | Required  |
|                  | The PTD*FG is loop will be sent even when there is no historical usage available if the                               |
|                  | utility has any of these data available for the ESCO., (i.e., new accounts), unless the                               |
|                  | customer has established a historical usage block with the utility. The datedata provided                             |
|                  | is based upon what is available on the date the 867HU is provided.  |
|                  |   |
|                  | For utilities that employ a comprehensive block, the PTD*FG loop will not be sent when                                |
|                  | the customer has put an account block in place or for utilities that employ a dual                                    |
|                  | (historical usage and enrollment) block in place, when the customer has put a historical                              |
|                  | usage block in place.   |
|                  |   |
|                  |   |

## PTD~FG~OZ~GAS

|          |                      |                       | Data                            | Element Summary         |                   |   |         |
|----------|----------------------|-----------------------|---------------------------------|-------------------------|-------------------|---|---------|
|          | Ref.                 | Data<br>Element       | Name                            |                         | A 44              |   |         |
| Mand.    | <u>Des.</u><br>PTD01 | <u>Element</u><br>521 | <u>Name</u><br>Product Transfer | Type Code               | <u>Attributes</u> | М | ID 2/2  |
|          |                      |                       | FG                              | Flowing Gas Information |                   |   |         |
|          |                      |                       |                                 | Additional Information  |                   |   |         |
| Must Use | PTD04                | 128                   | <b>Reference Identifi</b>       | cation Qualifier        |                   | Х | ID 2/3  |
|          |                      |                       | OZ                              | Product Number          |                   |   |         |
| Must Use | PTD05                | 127                   | <b>Reference Identifi</b>       | cation                  |                   | Х | AN 1/30 |
|          |                      |                       | EL                              | Electric Service        |                   |   |         |
|          |                      |                       | GAS                             | Gas Service             |                   |   |         |

|          | Segment:  | REF                     | Reference     | ce Identification (Customer Supply Status)                    |             |                |  |  |
|----------|---|-------------------------|---------------|---|-------------|----------------|--|--|
|          | Position:   | 030                     |               |   |             |                |  |  |
|          | Loop:   | PTD                     | Optional (I   | Dependent)  |             |                |  |  |
|          | Level:  | Detail                  |               |   |             |                |  |  |
|          | Usage:  | Must Use                | e             |   |             |                |  |  |
|          | Max Use:  | 20                      |               |   |             |                |  |  |
|          | <b>Purpose:</b>   | To specif               | fy identifyir | ng information  |             |                |  |  |
| Synt     | tax Notes:  | <b>1</b> At le          | east one of I | REF02 or REF03 is required.                                   |             |                |  |  |
| 000000   | <ul> <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> <li>3 REF04 contains data relating to the value cited in REF02.</li> </ul> |                         |               |   |             |                |  |  |
|          | Notes:  | s: Required<br>REF~0N~E |               |   |             |                |  |  |
|          |   |                         |               | Data Element Summary  |             |                |  |  |
|          | Ref.  | Data                    |               |   |             |                |  |  |
|          | Des.  | Element                 | Name          |   |             | <u>ributes</u> |  |  |
| Mand.    | REF01   | 128                     | Reference     | e Identification Qualifier                                    | Μ           | ID 2/3         |  |  |
|          |   |                         | 0N            | Attached To   |             |                |  |  |
|          |   |                         |               | Customer Supply Status  |             |                |  |  |
| Must Use | REF02   | 127                     | Reference     | e Identification  | X           | AN 1/30        |  |  |
|          |   |                         | Ε             | Customer is receiving supply from the transaction is created. | an ESCO     | at the time    |  |  |
|          |   |                         | U             | Customer is receiving supply from the transaction is created. | the Utility | at the time    |  |  |

|   | Segment:                                    | REF  | Reference Ide   | entification ( <del>SIC/NAISC<mark>Industrial Classific</mark></del> | ation           | Code)                    |  |  |
|---|---|--|---|--|-----------------|--------------------------|--|--|
|   | Position:                                   | : 030  |   |  |                 |                          |  |  |
|   | Loop:                                       | PTD  | Optional (Depe  | ndent)   |                 |                          |  |  |
|   | Level:                                      | Detail   |   |  |                 |                          |  |  |
| Usage: Optional (Dependent)   |   |  |   |  |                 |                          |  |  |
| 1   | 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. |   |  |                 |                          |  |  |
|   |   |  | ther 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:                                      | Conditio   | nal   |  |                 |                          |  |  |
| Required if available in the utility's system<br>REF~IJ~123456~NAISC<br>REF~IJ~1234~SIC |   |  |   |  |                 |                          |  |  |
|   | D.C   |  | D   | ata Element Summary  |                 |                          |  |  |
|   | Ref.  | Data   | NT  |  |                 | ····                     |  |  |
| Mand.   | <u>Des.</u><br>REF01                        | Element<br>128   | <u>Name</u><br>Reference Idea                                 | ntification Qualifier  | <u>Aur</u><br>M | <u>ributes</u><br>ID 2/3 |  |  |
| manu.   | <b>KETUI</b>                                | 120  |   | •  |                 | 10 2/3                   |  |  |
|   |   |  | IJ  | Standard Industry Classification (SIC) C                             |                 |                          |  |  |
|   |   |  | Standard Industry Classification (SIC) Code, or North         |  |                 |                          |  |  |
|   | DEE00                                       | 105  |   | American Industry Classification System                              | ,               | ,                        |  |  |
| Must Use  | REF02                                       | 127  | Reference Ide   |  | X               | AN 1/30                  |  |  |
|   |   |  | SIC or NAISC Code as stored in the Utility's system           |  |                 |                          |  |  |
| Must Use  | REF03                                       | 352  | Description   |  | X               | AN 1/80                  |  |  |
|   |   |  | NAISC   | Value contained in REF02 is an NAISC                                 | code            |                          |  |  |
|   |   |  | SIC   | Value contained in REF02 is an SIC cod                               | de              |                          |  |  |

| Segment:         | <b>REF</b> Reference Identification (Utility Tax Exempt Status)   |  |  |  |  |  |  |
|------------------|---|--|--|--|--|--|--|
| <b>Position:</b> | 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.   |  |  |  |  |  |  |
| <b>Comments:</b> |   |  |  |  |  |  |  |
| Notes:           | Required  |  |  |  |  |  |  |
|                  | The Utility Tax Exempt Status signifies the existence of exemptions and/or certifications, if any, held by the utility, that are used to bill the customer for utility services. The indicator is informational only; the utility's exemption is not transferable to the ESCO to bill the customer for ESCO services. The ESCO should not rely upon the utility's information for billing purposes and should contact the customer to obtain necessary information consistent with the requirements of the New York State Department of Taxation & Finance and any applicable laws.<br>REF~TX~Y |  |  |  |  |  |  |

|          | Data Element Summary         |                               |                                   |  |                  |                          |
|----------|------------------------------|-------------------------------|-----------------------------------|--|------------------|--------------------------|
| Mand.    | Ref.<br><u>Des.</u><br>REF01 | Data<br><u>Element</u><br>128 | <u>Name</u><br>Reference Identifi | cation Qualifier   | <u>Attr</u><br>M | <u>ributes</u><br>ID 2/3 |
|          |                              |                               | TX                                | Tax Exempt Number  |                  |                          |
|          |                              |                               |                                   | Indicates the Utility's Tax Exemption S the transaction is created.  | tatus a          | at the time              |
| Must Use | REF02                        | 127                           | <b>Reference Identifi</b>         | cation   | Х                | AN 1/30                  |
|          |                              |                               | Ν                                 | 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. |                  |                          |

| Synt<br>Seman   | Segment:<br>Position:<br>Loop:<br>Level:<br>Usage:<br>Max Use:<br>Purpose:<br>ax Notes:<br>tic Notes:<br>omments:<br>Notes: | <ul> <li>REF Reference Identification (Account Settlement Indicator)</li> <li>030</li> <li>PTD Optional (Dependent)</li> <li>Detail</li> <li>Optional (Dependent)</li> <li>20</li> <li>To specify identifying information</li> <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> <li>1 REF04 contains data relating to the value cited in REF02.</li> </ul> |                                    |   |         |               |  |
|---|---|--|------------------------------------|---|---------|---------------|--|
| Required for Electric only<br>This indicator reflects how the usage is settled with NYISO, not necessarily how the<br>usage is metered. |   |  |                                    |   | now the |               |  |
|   |   | REF~TD   | DT~H                               |   |         |               |  |
|   | -   | -  | Data                               | Element Summary   |         |               |  |
|   | Ref.<br><u>Des.</u>   | Data<br><u>Element</u>   | <u>Name</u>                        |   | Attr    | <u>ibutes</u> |  |
| Cond.   | REF01   | 128  | Reference Identification Qualifier |   | Μ       | ID 2/3        |  |
|   |   |  | TDT                                | Technical Documentation Type                                  |         |               |  |
|   |   | Account Settlement Indicator   |                                    |   |         |               |  |
| Must Use  | REF02   | 127  | Reference Identification           |   | Х       | AN 1/30       |  |
|   |   |  | С                                  | Class Shape   |         |               |  |
|   |   |  | Н                                  | Hourly  |         |               |  |
|   |   |  | М                                  | Mixed   |         |               |  |
|   |   |  |                                    | Account is settled with the NYISO with Shape and Hourly data. | n both  | Class         |  |

|          | Segment:             | <b>REF</b> Reference Identification (NYPA/ <del>Recharge</del> <u>ReCharge</u> New York) |                   |   |       |                          |
|----------|----------------------|--|-------------------|---|-------|--------------------------|
|          | Position:            | 030  |                   |   |       |                          |
|          | Loop:                | PTD  | Optional (I       | Dependent)  |       |                          |
|          | Level:               | Detail   |                   |   |       |                          |
|          | Usage:               | Optional   | (Dependent        | i)  |       |                          |
| ]        | Max Use:             | 20   |                   |   |       |                          |
|          | <b>Purpose:</b>      | To specif  | fy identifyin     | g information                                       |       |                          |
| Synt     | ax Notes:            |  |                   | REF02 or REF03 is required.                         |       |                          |
|          |                      |  |                   | or C04004 is present, then the other is required.   |       |                          |
| <b>C</b> | 4. NT - 4            |  |                   | or C04006 is present, then the other is required.   |       |                          |
|          | tic Notes:           | 1 REF  | 04 contains       | data relating to the value cited in REF02.          |       |                          |
|          | omments:<br>Notes:   | Conditio   | m o 1             |   |       |                          |
|          | 10003.               | Required for Electric accounts, if available in the utility's system.<br>REF~YP~N        |                   |   |       |                          |
|          | Df                   |  |                   | Data Element Summary                                |       |                          |
|          | Ref.                 | Data<br>Element  | Nomo              |   | A ++- |                          |
| Cond.    | <u>Des.</u><br>REF01 | Element<br>128   | Name<br>Reference | Identification Qualifier                            |       | <u>ributes</u><br>ID 2/3 |
| Conu.    | KLT VI               | 120  |                   | _   | IVI   | ID 2/3                   |
|          |                      |  | YP                | Selling Arrangement                                 |       |                          |
| Must Use | REF02                | 127  | Reference         | Identification                                      | X     | AN 1/30                  |
|          |                      |  | N                 | No, the customer does not participate i<br>New York | n NYF | PA/ReCharge              |
|          |                      |  | Y                 | Yes, the customer participates in NYP.<br>York      | A/ReC | harge New                |

Y

|  | Segment:        | REF                      | Reference I         | dentification (Utility Discount)            |   |  |  |
|--|-----------------|--------------------------|---------------------|---|---|--|--|
|  | Position:       | 030                      |                     | v v   |   |  |  |
|  | Loop:           | PTD Optional (Dependent) |                     |   |   |  |  |
|  | Level:          | Detail                   |                     |   |   |  |  |
|  | Usage:          | Optional (Must Use)      |                     |   |   |  |  |
|  | Max Use:        | 20                       |                     |   |   |  |  |
|  | <b>Purpose:</b> | To specif                | fy identifying ii   | nformation                                  |   |  |  |
| Synt   | tax Notes:      | -                        |                     | F02 or REF03 is required.                   |   |  |  |
| ·  |                 | 2 If eit                 | ther C04003 or      | C04004 is present, then the other is requir | ed.   |  |  |
|  |                 | 3 If eit                 | ther C04005 or      | C04006 is present, then the other is requir | ed.   |  |  |
| Seman  | tic Notes:      | 1 REF                    | 04 contains dat     | ta relating to the value cited in REF02.    |   |  |  |
| С  | omments:        |                          |                     | -   |   |  |  |
|  | Notes:          | Condition                | nal                 |   |   |  |  |
| Required for non-residential accounts where the customer receives a commodity<br>from the utility or a delivery discount that is dependent upon purchase of commo<br>the utility. Further, the indicator should be set to "N" in cases where all customer<br>class or service receive the same discount or when the delivery discount is portal<br>applies whether the customer purchases commodity from the ESCO or the utility<br>REF~SG~Y |                 |                          |                     |   | ase of commodity from<br>re all customers in a rate<br>count is portable, i.e. it |  |  |
|  | Ref.            | Data                     |                     | Data Element Summary                        |   |  |  |
|  | Des.            | Element                  | Name                |   | <u>Attributes</u>   |  |  |
| Cond.  | REF01           | 128                      | <b>Reference Id</b> | lentification Qualifier                     | M ID 2/3  |  |  |
|  |                 |                          | SG                  | Savings                                     |   |  |  |
|  |                 |                          |                     | Utility Discounts/Incentive Rate            |   |  |  |
| Must Use   | REF02           | 127                      | Reference Id        |   | X AN 1/30   |  |  |
| winst use  | KEFU2           | 141                      |                     |   |   |  |  |
|  |                 |                          | N                   | No, there are not Utility Discounts,        | Incentive Kates   |  |  |

Yes, there are Utility Discounts/Incentive Rates

| Segment:         | QTY Quantity (Electric Capacity Assignment)              |  |  |  |  |
|------------------|--|--|--|--|--|
| 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:  | <b>1</b> QTY04 is used when the quantity is non-numeric. |  |  |  |  |
| <b>Comments:</b> |  |  |  |  |  |
| Notes:           | Required for Electric accounts, if available             |  |  |  |  |
|                  | QTY~KZ~476~K1  |  |  |  |  |

|          |                              | D (                           | Data I                            | Element Summary                    |                  |                   |
|----------|------------------------------|-------------------------------|-----------------------------------|------------------------------------|------------------|-------------------|
| Cond.    | Ref.<br><u>Des.</u><br>QTY01 | Data<br><u>Element</u><br>673 | <u>Name</u><br>Quantity Qualifier |                                    | <u>Attr</u><br>M | ributes<br>ID 2/2 |
|          |                              |                               | KZ                                | Corrective Action Requests-Written |                  |                   |
|          |                              |                               |                                   | ICAP Tag                           |                  |                   |
| Must Use | QTY02                        | 380                           | Quantity                          |                                    | Х                | R 1/15            |
|          |                              |                               | ICAP Tag                          |                                    |                  |                   |
|          | QTY03                        | C001                          | Composite Unit of I               | Measure                            | 0                |                   |
| Mand.    | C00101                       | 355                           | Unit or Basis for M               | leasurement Code                   | Μ                | ID 2/2            |
|          |                              |                               | K1                                | Kilowatt Demand                    |                  |                   |

| Segment:         | <b>QTY</b> 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.  |
| <b>Comments:</b> |  |
| Notes:           | Required - One QTY loop will be provided to indicate the Number of Meters on the<br>account along with each individual Meter Number in subsequent REF segments. If the<br>account has only unmetered services, the QTY02 would be 0.<br>The QTY*9N is not required when consumption is reported on an account basis or when<br>a gas profile is provided.<br>For example:<br>QTY~9N~3<br>REF~MG~13259131<br>REF~MG~59381932<br>REF~MG~10393823<br>REF~MG~UNMETERED |
|                  | QTY~9N~0   |
|                  | REF~MG~UNMETERED   |
| D.C.             | Data Element Summary   |

| Mand.    | Ref.<br><u>Des.</u><br>OTY01 | Data<br><u>Element</u><br>673 | <u>Name</u><br>Quantity Qualifier |                                 | <u>Attr</u><br>M | <u>ibutes</u><br>ID 2/2 |
|----------|------------------------------|-------------------------------|-----------------------------------|---------------------------------|------------------|-------------------------|
|          | <b>C</b>                     |                               | 9N                                | Component Meter Reading Count   |                  |                         |
|          |                              |                               |                                   | Number of Meters on the Account |                  |                         |
| Must Use | QTY02                        | 380                           | Quantity                          |                                 | Х                | R 1/15                  |
|          |                              |                               | Number of Meters o                | n the Account                   |                  |                         |

| Segment:         | <b>REF</b> Reference Identification (Meter Number)                                  |
|------------------|---|
| Position:        | 190   |
| Loop:            | QTY Optional (Dependent)  |
| Level:           | Detail  |
| Usage:           | Optional (Dependent)  |
| Max Use:         | >1  |
| Purpose:         | To specify identifying information  |
| Syntax Notes:    | 1 At least one of REF02 or REF03 is required.                                       |
|                  | 2 If either C04003 or C04004 is present, then the other is required.                |
|                  | <b>3</b> 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.                         |
| <b>Comments:</b> |   |
| Notes:           | Required - One REF segment will be sent for each Meter Number on the account and/or |
|                  | one REF segment would be sent if there are unmetered services on the account.       |
|                  |   |
|                  | The REF*MG is not required when consumption is reported on an account basis or when |
|                  | a gas profile is provided.  |
|                  |   |
|                  |   |
|                  | For example:  |
|                  | QTY~9N~3  |
|                  | REF~MG~13259131   |
|                  | REF~MG~59381932   |
|                  | REF~MG~10393823   |
|                  | REF~MG~UNMETERED  |
|                  |   |
|                  | QTY~9N~0  |
|                  | REF~MG~UNMETERED  |
|                  | Data Element Summary  |

|          | Ref.<br><u>Des.</u>  | Data<br>Element | Name        | Data Element Summary    | Atti | ributes |
|----------|----------------------|-----------------|-------------|-------------------------|------|---------|
| Mand.    | <u>BCS.</u><br>REF01 | <u>128</u>      |             | dentification Qualifier | M    | ID 2/3  |
|          |                      |                 | MG          | Meter Number            |      |         |
| Must Use | REF02                | 127             | Reference I | dentification           | X    | AN 1/30 |
|          |                      |                 | Meter Numb  | ber                     |      |         |

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

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

### **EXAMPLES**

These examples are presented for illustrative purposes only. Although they are syntactically correct with respect to the published transaction standard for the <u>TS867 Consumption History/Gas Profile</u>, 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<del>/Marketer</del> would map a specific transaction.

#### Response to Request for Gas Profile Data (Keyspan-NY)

| ST*867*0003/  | 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</b>                       |
|   | Inquiry; Unique id number for this                                   |
|   | transaction; transaction creation date;                              |
|   | Report type is <b>Gas Profile</b>                                    |
| N1*SJ*AMERADA HESS*24*110584613/                                    | E/MESCO Name and Tax ID number                                       |
| N1*85*KEYSPN DELIVERY-NY*1*844749010/                               | Utility Name and DUNS number   |
| N1*8S*KEISPN DELIVERI-N1*1*8447490107<br>N1*8R*FLATBUSH SQUARE B&B/ | Customer Name  |
| N1*0R*FLAIBUSH SQUARE B&B/<br>N4*BROOKLYN*NY*11218-5508**TX*8009/   |  |
| N4^BROOKLIN^NY^11218-5508^^TX^8009/                                 | Customer's City, State, Postal Code and<br>Current Tax District Code |
|   |  |
| REF*12*2051354580/  | Utility assigned account number for the                              |
| PTD*BG***0Z*GAS/  | customer   |
| PTD*BG***OZ*GAS/  | PTD loop contains <b>Gas Profile Factors;</b>                        |
|   | service is <b>Gas</b>  |
| DTM*193*20001102/   | Profile Period Start Date  |
| DTM*629*19911029/   | Date customer initiated service at the                               |
|   | address associated with this account                                 |
| REF*NH*2-2/   | Utility Rate Service Class   |
| REF*PR*0581/  | Utility Rate Sub Class   |
| QTY*1Y*.35*TD/  | Customer's non-heating load factor; unit is                          |
|   | Therms   |
| QTY*FJ*.2303*TD/  | Customer's weather normalized load factor;                           |
|   | unit is <b>Therms</b>  |
| QTY*LP*21.67*TD/  | Ratio of non-heating to heating daily                                |
|   | demand; unit is Therms   |
| OTY*LH*.0309/   | Factor for <b>lost &amp; unaccounted for gas</b> used                |
|   | in calculating the gas profile                                       |
| 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>                              |
| OTY*99*68.20*TD/  | Quantity reported is the <b>Projected Usage-</b>                     |
| ŽTT 22 00.20 ID/  | Normal; unit is Therms   |
| QTY*QD*70.30*TD/  |  |
| ŬTX VŨD / 10,30 VID/  | Quantity reported is the <b>Projected Delivery</b>                   |
|   | - Normal; unit is Therms   |
| QTY*9D*68.20*TD/  | Quantity reported is the <b>Projected Usage -</b>                    |
|   | Design; unit is Therms   |
| QTY*DD*119.20*TD/   | Quantity reported is the <b>Projected Delivery</b>                   |
|   | - Design; unit is Therms   |

| 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*99*129.90*TD/ | Quantity reported is the <b>Projected Usage-</b>   |
|                   | Normal; unit is Therms   |
| QTY*QD*133.91*TD/ | Quantity reported is the <b>Projected Delivery</b>   |
| QTY*9D*143.70*TD/ | - Normal; unit is Therms   |
| Q119D143.701D/    | Quantity reported is the <b>Projected Usage -</b><br><b>Design;</b> unit is <b>Therms</b>    |
| QTY*DD*115.36*TD/ | Quantity reported is the <b>Projected Delivery</b>   |
| 211 22 110.00 12, | - Design; unit is Therms   |
| 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*99*211.11*TD/ | Quantity reported is the Projected Usage-  |
|                   | Normal; unit is Therms   |
| QTY*QD*217.63*TD/ | Quantity reported is the <b>Projected Delivery</b>   |
|                   | - Normal; unit is Therms   |
| QTY*9D*237.15*TD/ | Quantity reported is the <b>Projected Usage</b> -  |
| QTY*DD*119.20*TD/ | <b>Design;</b> unit is <b>Therms</b><br>Quantity reported is the <b>Projected Delivery</b>   |
| Q11*DD*119.20*1D/ | - Design; unit is Therms   |
| 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*99*246.14*TD/ | Quantity reported is the <b>Projected Usage-</b>   |
|                   | Normal; unit is Therms   |
| QTY*QD*253.75*TD/ | Quantity reported is the <b>Projected Delivery</b>   |
|                   | - Normal; unit is Therms   |
| QTY*9D*281.17*TD/ | Quantity reported is the <b>Projected Usage -</b>  |
|                   | Design; unit is Therms   |
| QTY*DD*119.20*TD/ | Quantity reported is the <b>Projected Delivery</b><br>- <b>Design;</b> unit is <b>Therms</b> |
| PTD*SM***OZ*GAS/  | PTD loop contains <b>Gas Profile Data</b> ; service  |
|                   | is <b>Gas</b>  |
| DTM*582****MM*02/ | Data in this loop is for <b>February</b>   |
| QTY*99*208.88*TD/ | Quantity reported is the <b>Projected Usage-</b>   |
|                   | Normal; unit is Therms   |
| QTY*QD*215.33*TD/ | Quantity reported is the <b>Projected Delivery</b>   |
|                   | - Normal; unit is Therms   |
| QTY*9D*238.84*TD/ | Quantity reported is the <b>Projected Usage -</b>  |
|                   | Design; unit is Therms   |
| QTY*DD*107.67*TD/ | Quantity reported is the <b>Projected Delivery</b><br>- <b>Design;</b> unit is <b>Therms</b> |
| 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*99*100*TD/    | Quantity reported is the <b>Projected Usage-</b>   |
|                   | Normal; unit is Therms   |
| QTY*QD*175.77*TD/ | Quantity reported is the <b>Projected Delivery</b>   |
|                   | - Normal; unit is Therms   |
| QTY*9D*190.34*TD/ | Quantity reported is the <b>Projected Usage -</b>  |
|                   | Design; unit is Therms   |
| QTY*DD*119.20*TD/ | Quantity reported is the <b>Projected Delivery</b>   |
|                   | - Design; unit is Therms   |

| 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*99*96.90*TD/                      | Quantity reported is the <b>Projected Usage-</b>   |
|                                       | Normal; unit is Therms   |
| QTY*QD*99.89*TD/                      | Quantity reported is the <b>Projected Delivery</b><br>- Normal; unit is <b>Therms</b>        |
| QTY*9D*107.10*TD/                     | Quantity reported is the <b>Projected Usage</b> -  |
|                                       | Design; unit is Therms   |
| QTY*DD*115.36*TD/                     | Quantity reported is the <b>Projected Delivery</b>   |
|                                       | - Design; unit is Therms   |
| PTD*SM***OZ*GAS/                      | PTD loop contains <b>Gas Profile Data;</b> service   |
|                                       | is <b>Gas</b>  |
| DTM*582****MM*05/<br>QTY*99*39.99*TD/ | Data in this loop is for <b>May</b>  |
| Q11~99~39.99~1D/                      | Quantity reported is the <b>Projected Usage-</b><br><b>Normal;</b> unit is <b>Therms</b>     |
| OTY*OD*41.23*TD/                      | Quantity reported is the <b>Projected Delivery</b>   |
| £ £,                                  | - Normal; unit is Therms   |
| QTY*9D*33.99*TD/                      | Quantity reported is the <b>Projected Usage -</b>  |
|                                       | Design; unit is Therms   |
| QTY*DD*119.20*TD/                     | Quantity reported is the <b>Projected Delivery</b>   |
|                                       | - Design; unit is Therms   |
| 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*99*10.50*TD/                      | Quantity reported is the <b>Projected Usage-</b>   |
| £ ·· _·· _ · · · /                    | Normal; unit is Therms   |
| QTY*QD*10.82*TD/                      | Quantity reported is the <b>Projected Delivery</b>   |
|                                       | - Normal; unit is Therms   |
| QTY*9D*13.80*TD/                      | Quantity reported is the <b>Projected Usage -</b>  |
|                                       | Design; unit is Therms   |
| QTY*DD*115.36*TD/                     | Quantity reported is the <b>Projected Delivery</b><br>- <b>Design;</b> unit is <b>Therms</b> |
| 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*99*10.85*TD/                      | Quantity reported is the <b>Projected Usage-</b>   |
|                                       | Normal; unit is Therms   |
| QTY*QD*11.19*TD                       | Quantity reported is the <b>Projected Delivery</b>   |
| QTY*9D*10.85*TD/                      | - Normal; unit is Therms<br>Quantity reported is the Projected Usage -                       |
| Q11 JD 10.03 1D/                      | Design; unit is Therms   |
| QTY*DD*119.20*TD/                     | Quantity reported is the <b>Projected Delivery</b>   |
|                                       | - Design; unit is Therms   |
| 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*99*10.85*TD/                      | Quantity reported is the <b>Projected Usage</b> -  |
| QTY*QD*11.19*TD/                      | Normal; unit is Therms<br>Quantity reported is the Projected Delivery                        |
| <u>XII XD II.I</u> ID/                | - Normal; unit is Therms   |
| QTY*9D*10.85*TD/                      | Quantity reported is the <b>Projected Usage</b> -  |
|                                       | Design; unit is Therms   |
| QTY*DD*119.20*TD/                     | Quantity reported is the <b>Projected Delivery</b>   |
|                                       | - Design; unit is Therms   |

| 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*99*20.70*TD/          | Quantity reported is the <b>Projected Usage-</b>   |
|                           | Normal; unit is Therms                             |
| QTY*QD*21.34*TD/          | Quantity reported is the <b>Projected Delivery</b> |
|                           | - Normal; unit is Therms                           |
| QTY*9D*20.70*TD/          | Quantity reported is the <b>Projected Usage -</b>  |
|                           | Design; unit is Therms                             |
| QTY*DD*115.36*TD/         | Quantity reported is the <b>Projected Delivery</b> |
|                           | - Design; unit is Therms                           |
| PTD*SM***OZ*GAS/          | PTD loop contains <b>Gas Profile Data;</b> service |
|                           | is <b>Gas</b>                                      |
| DTM*582****RMD*1001-0930/ | Data in this loop is for an <b>Annual Period</b>   |
| QTY*99*1224.52*TD/        | Quantity reported is the Projected Usage-          |
|                           | Normal; unit is Therms                             |
| QTY*QD*1262.35*TD/        | Quantity reported is the <b>Projected Delivery</b> |
|                           | - Normal; unit is Therms                           |
| QTY*9D*1356.69*TD/        | Quantity reported is the <b>Projected Usage -</b>  |
|                           | Design; unit is Therms                             |
| QTY*DD*1403.51*TD/        | Quantity reported is the <b>Projected Delivery</b> |
|                           | - Design; unit is Therms                           |
| SE*95*0003/               | Transaction 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</b>     |
|                                      | <b>Inquiry;</b> Unique id number for this          |
|                                      | transaction; transaction creation date;            |
|                                      | Report type is <b>Historic Usage</b>               |
| N1*SJ*AMERADA HESS*1*006977763/      | E/MESCO 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</b>           |
|                                      | Consumption Detail; Service is Gas                 |
| 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 5,067; unit is CCF                     |

| 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<br>loop                                |
| QTY*FL*1/           | Historic usage in this QTY loop is from <b>one</b><br>service delivery point           |
| MEA*AN*PRQ*6646*HH/ | Consumption reported is actual; quantity<br>measured is 6,646; unit is CCF             |
| DTM*150*20001229/   | Measurement period <b>start date</b> for this QTY<br>loop                              |
| DTM*150*20010131/   | Measurement period <b>end date</b> for this QTY<br>loop                                |
| QTY*FL*1/           | Historic usage in this QTY loop is from <b>one</b><br>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<br>loop                                |
| QTY*FL*1/           | Historic usage in this QTY loop is from <b>one</b><br>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<br>loop                                |
| QTY*FL*1/           | Historic usage in this QTY loop is from <b>one</b><br>service delivery point           |
| MEA*AN*PRQ*1236*HH/ | Consumption reported is actual; quantity measured is <b>1,236</b> ; unit is <b>CCF</b> |
| 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<br>loop                                |
| QTY*FL*1/           | Historic usage in this QTY loop is from <b>one</b><br>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<br>loop                                |
| QTY*FL*1/           | Historic usage in this QTY loop is from <b>one</b><br>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>                                     |

| NY 867 Consumption History/Gas Profile – Dran | service delivery point                             |
|---|--|
| MEA*AN*PRQ*1211*HH/                           | Consumption reported is actual; quantity           |
| MEA AN FRONTEIT IIII/                         | measured is 1,211; unit is CCF                     |
| DTM*150*20000531/                             |  |
| DIM^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 1,524; unit is CCF                     |
| 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 2,822; unit is CCF                     |
| 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   |
| OTY*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 3,418; unit is CCF                     |
| DTM*150*20000302/                             | Measurement period <b>start date</b> for this QTY  |
| 2111 100 200000027                            | loop   |
| DTM*151*20000331/                             | Measurement period <b>end date</b> for this QTY    |
| Diri 101 20000001/                            | loop   |
| SE*59*0008/                                   | Transaction set trailer; segment count;            |
| 9F9200001                                     | control number assigned by originator of           |
|   | this transaction                                   |
|   | CHIS CIAHSACCION                                   |

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

| ST*867*0004/                         | Transaction Set header;transaction defined<br>is an <b>867</b> ; control number assigned by<br>originator |
|--------------------------------------|---|
| BPT*52*2001062730326001*20010627*41/ | Transaction is a <b>Response to Historical</b>  |
|                                      | <b>Inquiry;</b> Unique id number for this   |
|                                      | transaction; transaction creation date;   |
|                                      | Report type is <b>Gas Profile</b>   |
| N1*SJ*AMERADA HESS*1*006977763/      | E/MESCO 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             |
|--------------------------|---|
| 1.21 12 200909000100020, | 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/          | Maximum Delivery Quantity 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 projected weather              |
|                          | normalized monthly usage including line             |
|                          | losses; unit is Therms                              |
| QTY*70*956*TD/           | Quantity reported is the <b>projected monthly</b>   |
|                          | delivery quantity; unit is Therms                   |
| QTY*WD*32*TD/            | Quantity reported is the projected daily            |
|                          | delivery quantity, unit is Therms                   |
| QTY*BA*185*TD/           | Quantity reported is <b>the projected</b>           |
|                          | balancing use, unit is Therms                       |
| AMT*SW*11.29/            | Amount reported is the <b>estimated swing</b>       |
|                          | charges 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 projected weather              |
|                          | normalized monthly usage including line             |
|                          | losses; unit is Therms                              |
| QTY*70*1058*TD/          | Quantity reported is the <b>projected monthly</b>   |
|                          | delivery quantity; unit is Therms                   |
| QTY*WD*36*TD/            | Quantity reported is the projected daily            |
|                          | delivery quantity, unit is Therms                   |
| QTY*BA*205*TD/           | Quantity reported is the projected                  |
|                          | balancing use, unit is Therms                       |
| AMT*SW*12.49/            | Amount reported is the estimated swing              |
|                          | charges 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>             |
| QTY*AY*2442*TD/          | Quantity reported is <b>projected weather</b>       |
|                          | normalized monthly usage including line             |
|                          | losses; unit is Therms                              |
| QTY*70*2523*TD/          | Quantity reported is the <b>projected monthly</b>   |
|                          | delivery quantity; unit is Therms                   |
| QTY*WD*84*TD/            | Quantity reported is the projected daily            |
|                          | delivery quantity, unit is Therms                   |
| QTY*BA*1186*TD/          | Quantity reported is <b>the projected</b>           |
| ~                        | balancing use, unit is Therms                       |
|                          |   |
| AMT*SW*72.32/            | Amount reported is the <b>estimated swing</b>       |

| 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</b>       |
| -  | normalized monthly usage including line             |
|  | losses; unit is Therms                              |
| QTY*70*3078*TD/                                | Quantity reported is the <b>projected monthly</b>   |
| ~  | delivery quantity; unit is Therms                   |
| QTY*WD*106*TD/                                 | Quantity reported is the projected daily            |
| -  | delivery quantity, unit is Therms                   |
| QTY*BA*1765*TD/                                | Quantity reported is <b>the projected</b>           |
|  | balancing use, unit is Therms                       |
| AMT*SW*107.66/                                 | Amount reported is the estimated swing              |
|  | charges 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</b>       |
| ~  | normalized monthly usage including line             |
|  | losses; unit is Therms                              |
| QTY*70*6494*TD/                                | Quantity reported is the <b>projected monthly</b>   |
| 211,00010112,                                  | delivery quantity; unit is Therms                   |
| QTY*WD*216*TD/                                 | Quantity reported is the projected daily            |
| Q11 WD 210 1D/                                 | delivery quantity, unit is Therms                   |
| QTY*BA*5030*TD/                                | Quantity reported is <b>the projected</b>           |
| QII DII 3030 ID,                               | balancing use, unit is Therms                       |
| AMT*SW*306.81/                                 | Amount reported is the <b>estimated swing</b>       |
| 1111 SW 300.017                                | charges for the period                              |
| PTD*SM***OZ*GAS/                               | PTD loop contains <b>Gas Profile Data</b> ; service |
| FID SM CZ GAS/                                 | 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</b>       |
| Q11 M1 /100 1D/                                | normalized monthly usage including line             |
|  | losses; unit is Therms                              |
| QTY*70*7372*TD/                                | Quantity reported is the <b>projected monthly</b>   |
| <u><u>v</u><sup>11</sup>, 0, 0, 2, 12, 12,</u> | delivery quantity; unit is Therms                   |
| QTY*WD*246*TD/                                 | Quantity reported is the projected daily            |
| Q11 WD 210 1D/                                 | delivery quantity, unit is Therms                   |
| QTY*BA*5880*TD/                                | Quantity reported is <b>the projected</b>           |
| Q11 D11 30000 1D/                              | balancing use, unit is Therms                       |
| AMT*SW*358.65/                                 | Amount reported is the <b>estimated swing</b>       |
| 1111 DW 300.00/                                | charges for the period                              |
| PTD*SM***OZ*GAS/                               | PTD loop contains <b>Gas Profile Data</b> ; service |
|  | is <b>Gas</b>                                       |
| DTM*582****MM*02/                              | Data in this loop is for <b>February</b>            |
| QTY*AY*5645*TD/                                | Quantity reported is <b>projected weather</b>       |
| ATT VT 2012 INV                                | normalized monthly usage including line             |
|  | losses; unit is Therms                              |
| QTY*70*5832*TD/                                |   |
| ÅTT102025TDI                                   | Quantity reported is the <b>projected monthly</b>   |
| <u>\</u>                                       | delivery quantity; unit is Therms                   |
| QTY*WD*216*TD/                                 | Quantity reported is <b>the projected daily</b>     |
| Omy + D + 4 = 1 4 + m → 4                      | delivery quantity, unit is Therms                   |
| QTY*BA*4514*TD/                                | Quantity reported is <b>the projected</b>           |
|  | balancing use, unit is Therms                       |
| AMT*SW*275.37/                                 | Amount reported is the <b>estimated swing</b>       |
|  | charges 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>               |

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| NY 867 Consumption History/Gas Profile – Draft<br>QTY*AY*4068*TD/ | Quantity reported is <b>projected weather</b>       |
|---|---|
| Q11 III 1000 1D/  | normalized monthly usage including line             |
|   | losses; unit is Therms                              |
| QTY*70*4202*TD/   | Quantity reported is the <b>projected monthly</b>   |
| Q11 /0 4202 1D/   | delivery quantity; unit is Therms                   |
| QTY*WD*140*TD/  |   |
| QII ^ WD^I40 ^ ID/  | Quantity reported is <b>the projected daily</b>     |
|   | delivery quantity, unit is Therms                   |
| QTY*BA*2811*TD/   | Quantity reported is <b>the projected</b>           |
|   | balancing use, unit is Therms                       |
| AMT*SW*171.50/  | Amount reported is the estimated swing              |
|   | charges 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</b>       |
|   | normalized monthly usage including line             |
|   | losses; unit is Therms                              |
| QTY*70*3109*TD/   | Quantity reported is the <b>projected monthly</b>   |
|   | delivery quantity; unit is Therms                   |
| QTY*WD*107*TD/  | Quantity reported is the projected daily            |
|   | delivery quantity, unit is Therms                   |
| QTY*BA*1795*TD/   | Quantity reported is the projected                  |
|   | balancing use, unit is Therms                       |
| AMT*SW*1099.48/   | Amount reported is the estimated swing              |
|   | charges 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</b>       |
| <u>211 III 1/2/ 10/</u>   | normalized monthly usage including line             |
|   | losses; unit is Therms                              |
| QTY*70*1785*TD/   | Quantity reported is the <b>projected monthly</b>   |
| Q11 /0 1/03 1D/   | delivery quantity; unit is Therms                   |
| QTY*WD*59*TD/   | Quantity reported is <b>the projected daily</b>     |
| QII WD JJ ID/   | delivery quantity, unit is Therms                   |
| OTY*BA*471*TD/  | Quantity reported is <b>the projected</b>           |
| $Q_{11}$ $BA$ $4/1$ $D/$  |   |
| AMT*SW*28.74/   | balancing use, unit is Therms                       |
| AMT^SW^28./4/   | Amount reported is the estimated swing              |
|   | charges for the period                              |
| 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</b>       |
|   | normalized monthly usage including line             |
|   | losses; unit is Therms                              |
| QTY*70*1802*TD/   | Quantity reported is the <b>projected monthly</b>   |
|   | delivery quantity; unit is Therms                   |
| QTY*WD*62*TD/   | Quantity reported is the projected daily            |
|   | delivery quantity, unit is Therms                   |
| QTY*BA*530*TD/  | Quantity reported is <b>the projected</b>           |
| x-1 211 000 12/   | balancing use, unit is Therms                       |
|   |   |
| AMT*SW*32.33/   | Amount reported is the estimated swing              |

| 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</b>      |
|                   | normalized monthly usage including line            |
|                   | losses; unit is Therms                             |
| QTY*70*1018*TD/   | Quantity reported is the <b>projected monthly</b>  |
|                   | delivery quantity; unit is Therms                  |
| QTY*WD*34*TD/     | Quantity reported is the projected daily           |
|                   | delivery quantity, unit is Therms                  |
| QTY*BA*197*TD/    | Quantity reported is the projected                 |
|                   | balancing use, unit is Therms                      |
| AMT*SW*12.02/     | Amount reported is the estimated swing             |
|                   | <b>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</b>     |
|                                      | <b>Inquiry;</b> Unique id number for this          |
|                                      | transaction; transaction creation date;            |
|                                      | Report type is <b>Historic Usage</b>               |
| N1*SJ*TXU ENERGY*1*006827749/        | E/MESCO 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 Metered Consumption              |
|                                      | Detail; Service is Electric                        |
| 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/              | Recorded on-peak usage was 145 Kilowatt            |
|                                      | hours for this period                              |
| DTM*150*20010131/                    | Start date for the measurement period in           |
|                                      | which the usage in this QTY loop was               |
|                                      | recorded   |
| DTM*151*20010227/                    | End date for the measurement period in             |
|                                      | which the usage in this QTY loop was               |
|                                      | recorded   |

| QTY*FL*1/               | <b><i>QTY Loop #2:</i></b> Number of service delivery end |
|-------------------------|---|
|                         | points represented in this QTY loop is $m{1}$             |
| MEA*AN*PRQ*558*KH***41/ | Recorded off-peak usage was 558 Kilowatt                  |
|                         | hours 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/       | End date for the measurement period in                    |
|                         | which the usage in this QTY loop was                      |
|                         | recorded  |
| QTY*FL*1/               | QTY Loop #3: Number of service delivery end               |
|                         | points represented in this QTY loop is $m 1$              |
| MEA*AN*PRQ*267*KH***43/ | Recorded intermediate-peak usage was 267                  |
|                         | Kilowatt hours for this period                            |
| DTM*150*20010131/       | Start date for the measurement period in                  |
|                         | which the usage in this QTY loop was                      |
|                         | recorded  |
| DTM*151*20010227/       | End date for the measurement period in                    |
|                         | which the usage in this QTY loop was                      |
|                         | recorded  |
| QTY*FL*1/               | QTY Loop #4: Number of service delivery end               |
|                         | points represented in this QTY loop is <b>1</b>           |
| MEA*AN*PRQ*184*KH***42/ | Recorded on-peak usage was 184 Kilowatt                   |
|                         | hours 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/               | QTY Loop #5: Number of service delivery end               |
|                         | points represented in this QTY loop is $m{1}$             |
| MEA*AN*PRQ*646*KH***41/ | Recorded off-peak usage was 646 Kilowatt                  |
|                         | hours for this period                                     |
| DTM*150*20001229/       | Start date for the measurement period in                  |
|                         | which the usage in this QTY loop was                      |
|                         | recorded  |
| DTM*151*20010131/       | End date 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/ | Recorded intermediate-peak usage was 336                  |
|                         | Kilowatt hours for this period                            |
| DTM*150*20001229/       | Start date for the measurement period in                  |
|                         | which the usage in this QTY loop was                      |
|                         | recorded  |
| DTM*151*20010131/       | End date for the measurement period in                    |
|                         | which the usage in this QTY loop was                      |
|                         | recorded  |

| QTY*FL*1/               | QTY Loop #7: Number of service delivery end  |
|-------------------------|--|
|                         | points represented in this QTY loop is $m{1}$                                      |
| MEA*AN*PRQ*147*KH***42/ | Recorded on-peak usage was 147 Kilowatt  |
|                         | <i>hours</i> for this period   |
| DTM*150*20001129/       | Start date for the measurement period in   |
|                         | which the usage in this QTY loop was   |
|                         | recorded   |
| DTM*151*20001229/       | End date for the measurement period in   |
|                         | which the usage in this QTY loop was   |
|                         | recorded   |
| QTY*FL*1/               | QTY Loop #8: Number of service delivery end  |
|                         | points represented in this QTY loop is ${f 1}$                                     |
| MEA*AN*PRQ*562*KH***41/ | Recorded off-peak usage was 562 Kilowatt   |
|                         | hours for this period  |
| DTM*150*20001129/       | Start date for the measurement period in   |
|                         | which the usage in this QTY loop was   |
|                         | recorded   |
| DTM*151*20001229/       | End date for the measurement period in   |
|                         | which the usage in this QTY loop was   |
|                         | recorded   |
| QTY*FL*1/               | <b><i>QTY Loop #9:</i></b> Number of service delivery end                          |
|                         | points represented in this QTY loop is $m 1$                                       |
| MEA*AN*PRQ*331*KH***43/ | Recorded intermediate-peak usage was 331   |
|                         | Kilowatt hours for this period   |
| DTM*150*20001129/       | Start date for the measurement period in   |
|                         | which the usage in this QTY loop was   |
|                         | recorded   |
| DTM*151*20001229/       | End date for the measurement period in   |
|                         | which the usage in this QTY loop was recorded                                      |
| QTY*FL*1/               | QTY Loop #10: Number of service delivery   |
|                         | end points represented in this QTY loop is 1                                       |
| MEA*AN*PRQ*0*KH***42/   | Recorded on-peak usage was 0 Kilowatt hours  |
|                         | for this period  |
| DTM*150*20001026/       | Start date for the measurement period in   |
| 5111 150 200010207      | 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/               | QTY Loop #11: Number of service delivery   |
|                         | end points represented in this QTY loop is $1$                                     |
| MEA*AN*PRQ*578*KH***41/ | Recorded off-peak usage was 578 Kilowatt   |
|                         | <i>hours</i> for this period   |
| DTM*150*20001026/       | Start date 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                                      |
| DTM*151*20001129/       | <b>End date</b> for the measurement period in which the usage in this QTY loop was |

| QTY*FL*1/   | QTY Loop #12: Number of service delivery                                   |
|---|--|
| $\lambda = \lambda + \lambda + \lambda = + + + - + - + + + + + +$ | end points represented in this QTY loop is 1                               |
| MEA*AN*PRQ*531*KH***43/   | Recorded intermediate-peak usage was 531<br>Kilowatt hours for this period |
| DTM*150*20001026/   | Start date for the measurement period in                                   |
| DIM.130.200010207   |  |
|   | which the usage in this QTY loop was recorded                              |
|   |  |
| DTM*151*20001129/   | End date for the measurement period in                                     |
|   | which the usage in this QTY loop was                                       |
|   | recorded   |
| QTY*FL*1/   | QTY Loop #13: Number of service delivery                                   |
|   | end points represented in this QTY loop is 1                               |
| MEA*AN*PRQ*17*KH***42/  | Recorded peak usage was 17 Kilowatt hours                                  |
|   | for this period  |
| DTM*150*20000926/   | Start date 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 1                               |
| MEA*AN*PRQ*523*KH***41/   | Recorded off-peak usage was 523 Kilowatt                                   |
|   | hours for this period  |
| DTM*150*20000926/   | Start date for the measurement period in                                   |
|   | which the usage in this QTY loop was                                       |
|   | recorded   |
| DTM*151*20001026/   | End date for the measurement period in                                     |
| DIM 151 200010207   | which the usage in this QTY loop was                                       |
|   | recorded   |
| QTY*FL*1/   | QTY Loop #15: Number of service delivery                                   |
|   |  |
| MEA*AN*PRQ*364*KH***43/   | end points represented in this QTY loop is 1                               |
| MEA^AN^PRQ^364^KH^^43/  | Recorded intermediate-peak usage was 364                                   |
|   | Kilowatt hours for this period   |
| DTM*150*20000926/   | Start date for the measurement period in                                   |
|   | which the usage in this QTY loop was                                       |
| · · · · · · · · · · · · · · · · · · ·                             | recorded   |
| DTM*151*20001026/   | End date for the measurement period in                                     |
|   | which the usage in this QTY loop was                                       |
|   | recorded   |
| QTY*FL*1/   | QTY Loop #16: Number of service delivery                                   |
|   | end points represented in this QTY loop is $m{1}$                          |
| MEA*AN*PRQ*187*KH***42/   | Recorded peak usage was 187 Kilowatt hours                                 |
|   | for this period  |
| DTM*150*20000824/   | Start date for the measurement period in                                   |
| ·   | which the usage in this QTY loop was                                       |
|   | recorded   |
| DTM*151*20000926/   | End date for the measurement period in                                     |
| 5111 101 20000 <i>9</i> 20/                                       | which the usage in this QTY loop was                                       |
|   | recorded   |
|   | TECOLIGE   |

| QTY*FL*1/               | <b><i>QTY Loop #17:</i></b> Number of service delivery            |
|-------------------------|---|
| £/                      | end points represented in this QTY loop is $m{1}$                 |
| MEA*AN*PRQ*470*KH***41/ | Recorded off-peak usage was 470 Kilowatt                          |
|                         | <b>hours</b> for this period                                      |
| DTM*150*20000824/       | Start date for the measurement period in                          |
|                         | which the usage in this QTY loop was                              |
|                         | recorded  |
| DTM*151*20000926/       | End date for the measurement period in                            |
|                         | which the usage in this QTY loop was                              |
|                         | recorded  |
| QTY*FL*1/               | QTY Loop #18: Number of service delivery                          |
|                         | end points represented in this QTY loop is $oldsymbol{1}$         |
| MEA*AN*PRQ*321*KH***43/ | Recorded intermediate-peak usage was 321                          |
|                         | Kilowatt hours for this period                                    |
| DTM*150*20000824/       | Start date for the measurement period in                          |
|                         | which the usage in this QTY loop was                              |
|                         | recorded  |
| DTM*151*20000926/       | End date for the measurement period in                            |
|                         | which the usage in this QTY loop was                              |
|                         | recorded  |
| QTY*FL*1/               | QTY Loop #19: Number of service delivery                          |
|                         | end points represented in this QTY loop is $m 1$                  |
| MEA*AN*PRQ*140*KH***42/ | Recorded on-peak usage was 140 Kilowatt                           |
|                         | hours for this period   |
| DTM*150*20000728/       | Start date for the measurement period in                          |
|                         | which the usage in this QTY loop was                              |
|                         | recorded  |
| DTM*151*20000824/       | End date for the measurement period in                            |
|                         | which the usage in this QTY loop was                              |
|                         | recorded  |
| QTY*FL*1/               | QTY Loop #20: Number of service delivery                          |
|                         | end points represented in this QTY loop is <b>1</b>               |
| MEA*AN*PRQ*404*KH***41/ | Recorded off-peak usage was 404 Kilowatt                          |
| DTM*150*20000728/       | hours for this period<br>Start date for the measurement period in |
| DIM-130-200007287       | which the usage in this QTY loop was                              |
|                         | recorded  |
| DTM*151*20000824/       | End date for the measurement period in                            |
|                         | which the usage in this QTY loop was                              |
|                         | recorded  |
| QTY*FL*1/               | QTY Loop #21: Number of service delivery                          |
| ~ '                     | end points represented in this QTY loop is 1                      |
| MEA*AN*PRQ*245*KH***43/ | Recorded intermediate-peak usage was 245                          |
|                         | Kilowatt hours for this period                                    |
| DTM*150*20000728/       | Start date 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><i>QTY Loop #22:</i></b> Number of service delivery    |
|-------------------------|---|
|                         | end points represented in this QTY loop is $oldsymbol{1}$ |
| MEA*AN*PRQ*187*KH***42/ | Recorded on-peak usage was 187 Kilowatt                   |
|                         | <i>hours</i> for this period                              |
| DTM*150*20000626/       | Start date for the measurement period in                  |
|                         | which the usage in this QTY loop was                      |
|                         | recorded  |
| DTM*151*20000728/       | End date 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 $m 1$          |
| MEA*AN*PRQ*462*KH***41/ | Recorded off-peak usage was 462 Kilowatt                  |
|                         | hours for this period                                     |
| DTM*150*20000626/       | Start date 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/               | QTY Loop #24: Number of service delivery                  |
|                         | end points represented in this QTY loop is 1              |
| MEA*AN*PRQ*312*KH***43/ | Recorded intermediate-peak usage was 312                  |
|                         | Kilowatt hours for this period                            |
| DTM*150*20000626/       | Start date for the measurement period in                  |
|                         | which the usage in this QTY loop was                      |
|                         | recorded  |
| DTM*151*20000728/       | End date for the measurement period in                    |
|                         | which the usage in this QTY loop was recorded             |
| QTY*FL*1/               | QTY Loop #25: Number of service delivery                  |
|                         | end points represented in this QTY loop is 1              |
| MEA*AN*PRQ*118*KH***42/ | Recorded on-peak usage was 118 Kilowatt                   |
| MEA AN ING IIO NII 427  | hours for this period                                     |
| DTM*150*20000525/       | Start date for the measurement period in                  |
| DIM 130 200003237       | 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 $1$            |
| MEA*AN*PRQ*411*KH***41/ | Recorded off-peak usage was 411 Kilowatt                  |
|                         | <i>hours</i> for this period                              |
| DTM*150*20000525/       | Start date for the measurement period in                  |
|                         | which the usage in this QTY loop was                      |
|                         | recorded  |
| DTM*151*20000626/       | End date for the measurement period in                    |
|                         | which the usage in this QTY loop was                      |
|                         | recorded  |

| QTY*FL*1/               | QTY Loop #27: Number of service delivery            |
|-------------------------|---|
|                         | end points represented in this QTY loop is <b>1</b> |
| MEA*AN*PRQ*323*KH***43/ | Recorded intermediate-peak usage was 323            |
|                         | Kilowatt hours for this period                      |
| DTM*150*20000525/       | Start date for the measurement period in            |
|                         | which the usage in this QTY loop was                |
|                         | recorded  |
| DTM*151*20000626/       | End date for the measurement period in              |
|                         | which the usage in this QTY loop was                |
|                         | recorded  |
| QTY*FL*1/               | QTY Loop #28: Number of service delivery            |
|                         | end points represented in this QTY loop is $m{1}$   |
| MEA*AN*PRQ*0*KH***42/   | Recorded on-peak usage was 0 Kilowatt hours         |
|                         | for this period                                     |
| DTM*150*20000425/       | Start date for the measurement period in            |
|                         | which the usage in this QTY loop was                |
|                         | recorded  |
| DTM*151*20000525/       | End date 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 1        |
| MEA*AN*PRQ*410*KH***41/ | Recorded off-peak usage was 410 Kilowatt            |
| ~                       | hours for this period                               |
| DTM*150*20000425/       | Start date for the measurement period in            |
|                         | which the usage in this QTY loop was                |
|                         | recorded  |
| DTM*151*20000525/       | End date for the measurement period in              |
|                         | which the usage in this QTY loop was                |
|                         | recorded  |
| QTY*FL*1/               | QTY Loop #30: Number of service delivery            |
|                         | end points represented in this QTY loop is $m{1}$   |
| MEA*AN*PRQ*428*KH***43/ | Recorded intermediate-peak usage was 428            |
|                         | Kilowatt hours for this period                      |
| DTM*150*20000425/       | Start date for the measurement period in            |
|                         | which the usage in this QTY loop was                |
|                         | recorded  |
| DTM*151*20000525/       | End date 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 1        |
| MEA*AN*PRQ*0*KH***42/   | Recorded peak usage was 0 Kilowatt hours            |
|                         | 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 Loop #32: Number of service delivery               |
|--|
| end points represented in this QTY loop is $m{1}$      |
| Recorded off-peak usage was 557 Kilowatt               |
| hours for this period                                  |
| Start date for the measurement period in               |
| which the usage in this QTY loop was                   |
| recorded   |
| <b>End date</b> for the measurement period in          |
| which the usage in this QTY loop was                   |
| recorded   |
| QTY Loop #33: Number of service delivery               |
| end points represented in this QTY loop is $m{1}$      |
| Recorded intermediate-peak usage was 515               |
| Kilowatt hours for this period                         |
| Start date for the measurement period in               |
| which the usage in this QTY loop was                   |
| recorded   |
| End date for the measurement period in                 |
| which the usage in this QTY loop was                   |
| recorded   |
| <b><i>QTY Loop #34:</i></b> Number of service delivery |
| end points represented in this QTY loop is $1$         |
| Recorded peak usage was 35 Kilowatt hours              |
| for this period  |
| Start date for the measurement period in               |
| which the usage in this QTY loop was                   |
| recorded   |
| <b>End date</b> for the measurement period in          |
| which the usage in this QTY loop was                   |
| recorded   |
| QTY Loop #35: Number of service delivery               |
| end points represented in this QTY loop is $m{1}$      |
| Recorded off-peak usage was 433 Kilowatt               |
| hours for this period                                  |
| Start date for the measurement period in               |
| which the usage in this QTY loop was                   |
| recorded   |
| End date for the measurement period in                 |
| which the usage in this QTY loop was                   |
| recorded   |
| <b><i>QTY Loop #36:</i></b> Number of service delivery |
| end points represented in this QTY loop is 1           |
| Recorded intermediate-peak usage was 409               |
| Kilowatt hours for this period                         |
| Start date for the measurement period in               |
| which the usage in this QTY loop was                   |
| recorded   |
| End date for the measurement period in                 |
| which the usage in this QTY loop was                   |
|  |
| recorded   |
| recorded<br>Transaction Set Trailer; segment count;    |
| · · · · · · · · · · · · · · · · · · ·                  |

#### Response Contains Electric Unmetered Usage Data

| ST*867*0012/                         | Transaction Set header; transaction defined        |
|--------------------------------------|--|
| 51^86/^0012/                         |  |
|                                      | is an <b>867</b> ; control number assigned by      |
|                                      | originator   |
| BPT*52*20000301145101*20010706*DD/   | Transaction is a <b>Response to Historical</b>     |
|                                      | <b>Inquiry;</b> Unique id number for this          |
|                                      | transaction; transaction creation date;            |
|                                      | Report type is <b>Historic Usage</b>               |
| N1*SJ*ENERGETIX*1*006817952/         | E/MESCO 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>Uunmetered 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  |
|                                      | 1 service delivery point on this account           |
| MEA*BR*PRQ*0*KH/                     | = =  |
| MLA "BK" FKQ "0 "KH/                 | Billed usage was 0 Kilowatt hours for this period  |
| DTM*150*20010110/                    | Start date 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  |
|                                      | 1 service delivery point on this account           |
| MEA*BR*PRO*0*KH/                     | Billed usage was 0 Kilowatt hours 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 |
| DIM TOT 20010110/                    |  |
| OTY*FL*1/                            | usage in this QTY loop                             |
|                                      | QTY Loop #3: Usage in this QTY loop is for         |
|                                      | 1 service delivery point on this account           |
| MEA*BR*PRQ*0*KH/                     | Billed usage was 0 Kilowatt hours for this         |
|                                      | period   |
| DTM*150*20001108/                    | Start date 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/  | Billed usage was 0 Kilowatt hours for this period  |
| DTM*150*20001010/ | Start date for the measurement period for<br>the usage in this QTY loop                            |
| DTM*151*20001108/ | <b>End date</b> for the measurement period for the usage in this QTY loop                          |
| QTY*FL*1/         | QTY Loop #5: Usage in this QTY loop is for<br>1 service delivery point on this account             |
| MEA*BR*PRQ*0*KH/  | Billed usage was 0 Kilowatt hours for this period  |
| DTM*150*20000908/ | <b>Start date</b> for the measurement period for<br>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/         | QTY Loop #6: Usage in this QTY loop is for<br>1 service delivery point on this account             |
| MEA*BR*PRQ*0*KH/  | Billed usage was 0 Kilowatt hours 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/         | QTY Loop #7: Usage in this QTY loop is for<br>1 service delivery point on this account             |
| MEA*BR*PRQ*0*KH/  | Billed usage was 0 Kilowatt hours 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/  | Billed usage was 0 Kilowatt hours 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/  | Billed usage was 0 Kilowatt hours 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/  | Billed usage was 0 Kilowatt hours 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/  | Billed usage was 0 Kilowatt hours for this period  |

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|--|--|
| DTM*150*20000307/                              | Start date 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*1/                                      | <b>QTY Loop #12:</b> Usage in this QTY loop is for |
|  | 1 service delivery point on this account           |
| MEA*BR*PRQ*0*KH/                               | Billed usage was 0 Kilowatt hours for this         |
|  | period   |
| DTM*150*20000207/                              | Start date for the measurement period for          |
|  | the usage in this QTY loop                         |
| DTM*151*20000307/                              | End date for the measurement period for the        |
|  | usage in this QTY loop                             |
| PTD*BC***OZ*EL/                                | <b>PTD loop #2:</b> This PTD loop contains         |
|  | Uunmetered Usage; Service is Electric              |
| 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 3 service delivery points on        |
|  | this account                                       |
| MEA*BR*PRQ*1250*KH/                            | Billed usage was 1250 Kilowatt hours for           |
|  | this period  |
| DTM*150*20010110/                              | Start date for the measurement period for          |
|  | the usage in this QTY loop                         |
| DTM*151*20010209/                              | End date 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 3 service delivery points on        |
|  | this account                                       |
| MEA*BR*PRQ*1250*KH/                            | Billed usage was 1250 Kilowatt hours for           |
|  | this period  |
| DTM*150*20001208/                              | Start date for the measurement period for          |
|  | the usage in this QTY loop                         |
| DTM*151*20010110/                              | End date for the measurement period for the        |
|  | usage in this QTY loop                             |
| QTY*FL*3/                                      | QTY Loop #3: Usage in this QTY loop is             |
|  | summarized for <b>3 service delivery points</b> on |
|  | this account                                       |
| MEA*BR*PRQ*1250*KH/                            | Billed usage was 1250 Kilowatt hours for           |
| ~ '  | this period  |
| DTM*150*20001108/                              | Start date 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 3 service delivery points on          |
|                     | this account   |
| MEA*BR*PRQ*1250*KH/ | Billed usage was 1250 Kilowatt hours for             |
|                     | this period  |
| DTM*150*20001010/   | Start date for the measurement period for            |
|                     | the usage in this QTY loop                           |
| DTM*151*20001108/   | End date for the measurement period for the          |
|                     | usage in this QTY loop                               |
| QTY*FL*3/           | <b><i>QTY Loop #5:</i></b> Usage in this QTY loop is |
|                     | summarized for <b>3 service delivery points</b> on   |
|                     | this account   |
| MEA*BR*PRQ*1250*KH/ | Billed usage was 1250 Kilowatt hours for             |
|                     | this period  |
| DTM*150*20000908/   | Start date for the measurement period for            |
|                     | the usage in this QTY loop                           |
| DTM*151*20001010/   | End date 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/ | Billed usage was 1250 Kilowatt hours for             |
|                     | this period  |
| DTM*150*20000808/   | Start date 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 3 service delivery points on          |
|                     | this account   |
| MEA*BR*PRQ*1250*KH/ | Billed usage was 1250 Kilowatt hours for             |
|                     | this period  |
| DTM*150*20000711/   | Start date 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><i>QTY Loop #8:</i></b> Usage in this QTY loop is |
|                     | summarized for 3 service delivery points on          |
|                     | this account   |
| MEA*BR*PRQ*1250*KH/ | Billed usage was 1250 Kilowatt hours for             |
|                     | this period  |
| DTM*150*20000608/   | Start date 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><i>QTY Loop #9:</i></b> Usage in this QTY loop is |
|                     | summarized for 3 service delivery points on          |
|                     | this account   |
| MEA*BR*PRQ*1250*KH/ | Billed usage was 1250 Kilowatt hours for             |
|                     | this period  |
| DTM*150*20000509/   | Start date for the measurement period for            |
|                     | the usage in this QTY loop                           |
| DTM*151*20000608/   | End date 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 3 service delivery points on        |
|                     | this account                                       |
| MEA*BR*PRQ*1250*KH/ | Billed usage was 1250 Kilowatt hours for           |
|                     | this period  |
| DTM*150*20000406/   | Start date for the measurement period for          |
|                     | the usage in this QTY loop                         |
| DTM*151*20000509/   | End date for the measurement period for the        |
|                     | usage in this QTY loop                             |
| 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/ | Billed usage was 1250 Kilowatt hours for           |
|                     | this period  |
| DTM*150*20000307/   | Start date for the measurement period for          |
|                     | the usage in this QTY loop                         |
| DTM*151*20000406/   | End date 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/ | Billed usage was 1250 Kilowatt hours for           |
|                     | this period  |
| DTM*150*20000207/   | Start date for the measurement period for          |
|                     | the usage in this QTY loop                         |
| DTM*151*20000307/   | End date 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**

| <u>ST*867*0008/</u>                  | 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</b>     |
|                                      | <b>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</b>           |
|                                      | Consumption Detail; Service is Gas                 |
| 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 5,067; unit is CCF                     |
| 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>   |
| MEA*AN*PRQ*6646*HH/ | service delivery point<br>Consumption reported is actual; quantity                                 |
|                     | measured is 6,646; unit is CCF   |
| 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<br>loop  |
| QTY*FL*1/           | Historic usage in this QTY loop is from <b>one</b>   |
| MEA*AN*PRQ*5806*HH/ | service delivery point<br>Consumption reported is actual; quantity                                 |
| DTM*150*20001130/   | measured is <b>5,806</b> ; unit is <b>CCF</b><br>Measurement period <b>start date</b> for this QTY |
| DTM*151*20001229/   | loop<br>Measurement period <b>end date</b> for this QTY  |
| QTY*FL*1/           | loop<br>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 2,986; unit is CCF                            |
| DTM*150*20001027/   | Measurement period <b>start date</b> for this QTY  |
| DTM*151*20001130/   | loop   |
|                     | Measurement period <b>end date</b> for this QTY loop   |
| QTY*FL*1/           | Historic usage in this QTY loop is from <b>one</b><br>service delivery point                       |
| MEA*AN*PRQ*1236*HH/ | Consumption reported is actual; quantity measured is 1,236; unit is CCF                            |
| 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<br>loop  |
| QTY*FL*1/           | Historic usage in this QTY loop is from <b>one</b>   |
| MEA*AN*PRQ*1022*K1/ | service delivery point<br>Consumption reported is actual; quantity                                 |
| DTM*150*20000829/   | <pre>measured is 1,022; unit is CCF Measurement period start date for this QTY</pre>               |
| DTM*151*20000928/   | <u>loop</u><br>Measurement period <b>end date</b> for this QTY                                     |
|                     | loop   |
| QTY*FL*1/           | Historic usage in this QTY loop is from <b>one</b><br>service delivery point                       |
| MEA*AN*PRQ*955*HH/  | Consumption reported is actual; quantity<br>measured is <b>955</b> ; unit is <b>CCF</b>            |
| DTM*150*20000731/   | Measurement period start date for this QTY<br>loop   |
| DTM*151*20000829/   | Measurement period <b>end date</b> for this QTY  |
| QTY*FL*1/           | loop<br>Historic usage in this QTY loop is from <b>one</b>   |
| MEA*AN*PRQ*1281*HH/ | service delivery point<br>Consumption reported is actual; quantity                                 |
| DTM*150*20000629/   | measured is <b>1,281</b> ; unit is <b>CCF</b><br>Measurement period <b>start date</b> for this QTY |
| DTM*151*20000731/   | loop<br>Measurement period <b>end date</b> for this QTY  |
|                     | loop   |
| QTY*FL*1/           | Historic usage in this QTY loop is from <b>one</b><br>service delivery point                       |
| MEA*AN*PRQ*1211*HH/ | Consumption reported is actual; quantity measured is 1,211; unit is CCF                            |

| DTM*150*20000531/   | Measurement period <b>start date</b> for this QTY  |
|---------------------|--|
|                     | <u>loop</u>  |
| DTM*151*20000629/   | Measurement period end date 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 1,524; unit is CCF                     |
| DTM*150*20000501/   | Measurement period <b>start date</b> for this QTY  |
|                     | loop   |
| DTM*151*20000531/   | 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*2822*HH/ | Consumption reported is actual; quantity           |
|                     | measured is 2,822; unit is CCF                     |
| DTM*150*20000321/   | Measurement period <b>start date</b> for this QTY  |
|                     | loop   |
| DTM*151*20000501/   | Measurement period end date 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 3,418; unit is CCF                     |
| DTM*150*20000302/   | Measurement period <b>start date</b> for this QTY  |
|                     | loop   |
| DTM*151*20000331/   | Measurement period end date for this QTY           |
|                     | <u>loop</u>  |
| PTD*FG*OZ*GAS/      | Additional Information                             |
| REF*ON*E/           | Customer Supply Status                             |
| REF*TX*Y/           | Utility Tax Exempt Status                          |
| <u>SE*59*0008/</u>  | Transaction set trailer; segment count;            |
|                     | control number assigned by originator of           |
|                     | this transaction                                   |

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

| 00+0(7+0000/                         | Turnersting Oct boodsettermonation defined     |
|--------------------------------------|--|
| <u>ST*867*0008/</u>                  | 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</b> |
|                                      | Inquiry; 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/                       | Electric Capacity Assignment                   |
| 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                               |