Case 98-M-0667
Supplement S

New York Implementation Standard

For

Standard Electronic Transactions

TRANSACTION SET

867

Interval Usage

Ver/Rel 004010

March 31, 2017
Version 1.0

		Summary of Changes
March 31, 2017		**Version 1.0** Initial Release

		Notes pertaining to the use of this document
Purpose		• This implementation guide describes the format and content for an 867 transaction containing interval usage data by account. This transaction will be sent to the ESCO of record, subsequent to enrollment. • The 867 Interval Usage Transaction is an optional transaction. The initial release reflects the business requirements and systems capabilities of the utility(ies) requesting development of the transaction. To the extent other utilities elect to support the transaction, it is anticipated that other modifications to this transaction may be proposed.
		•

Implementation Guideline Field Descriptions

Segment: **REF** **Reference Identification (Utility Customer Account Number)**
Position: 050
Loop:
Level: Heading
Usage: Optional (Must Use)
Max Use: 1
Purpose: To specify identifying information
Syntax Notes: **1** At least one of REF02 or REF03 is required.
2 If either C04003 or C04004 is present, then the other is required.
3 If either C04005 or C04006 is present, then the other is required.
Semantic Notes: **1** REF04 contains data relating to the value cited in REF02
Comments:

This section shows the X12 Rules for this segment but the Usage and Max Use fields will also reflect NY rules. For Usage, 'Optional (Must Use)' means that this segment is Optional for X12, but is required in NY. The gray boxes below should also be reviewed for additional NY Rules.

Notes: Required

The Utility account number assigned to the customer is used for validation and must be present on all transactions.

REF~12~011231287654398

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

One or more examples.

Data Element Summary

	Ref Des.	Data Element	Name		X12 Attributes	
Mand.	**REF01**	**128**	**Reference Identification Qualifier**		**M**	**ID 2/3**
			12	Billing Account REF02 contains the Utility-assigned account number for the customer.		
Mus	**REF02**	**127**	**Reference Identification**		**X**	**AN 1/30**
			Utility assigned customer account number The utility account number must be supplied without intervenin spaces or non-alphanumeric characters. (Characters added to aid in visi presentation on a bill, for example, should be removed)			

This column documents differences between X12 and NY use for each data element:

Mand. (Mandatory) – Required by X12
Must Use – Required by NY
Cond. (Conditional)
Optional

These columns show the X12 attributes for each data element:

M = Mandatory
O = Optional
X = Conditional

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

1/30 = Minimum 1, Maximum 30

867 Interval Usage

Functional Group ID=PT

Introduction:

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

Notes:

This document contains the format and structure for the 867 transaction used to communicate either current billed consumption, current metered usage, calendar month estimated consumption or an Interim Bill Notice. Each 867 transaction contains current usage for a single Electric account.

Heading:

Page No.	Pos. No.	Seg. ID	Name	Req. Des.	Max.Use	Loop Repeat	Notes and Comments
1	010	ST	Transaction Set Header	M	1		
5	020	BPT	Beginning Segment for Product Transfer and Resale	M	1		
6	050	DTM	Date/Time Reference (Next Meter Read Date)	O	1		
			LOOP ID - N1			1	
7	080	N1	Name (ESCO)	O	1		
			LOOP ID - N1			1	
8	080	N1	Name (Utility)	O	1		
			LOOP ID - N1			1	
9	080	N1	Name (Customer)	O	1		
10	100	N3	Address Information (Service Address)	O	1		
11	110	N4	Geographic Location (Service Address)	O	1		
12	120	REF	Reference Identification (ESCO Customer Account Number)	O	1		
13	120	REF	Reference Identification (Utility Account Number)	O	1		
14	120	REF	Reference Identification (Previous Utility Account Number)	O	1		
14	120	REF	Reference Identification (Bill Option)	O	1		

Detail:

Page No.	Pos. No.	Seg. ID	Name	Req. Des.	Max.Use	Loop Repeat	Notes and Comments
			LOOP ID - PTD			>1	
15	010	PTD	Product Transfer and Resale Detail (Metered Consumption Summary)	M	1		
17	030	REF	Reference Identification (Utility Rate Service Class)	O	1		
18	030	REF	Reference Identification (Rate Sub Class)	O	1		
			LOOP ID - QTY			>1	
19	110	QTY	Quantity (Number of Meters)	O	1		
19	140	AMT	Monetary Amount (Back Out Credit)	O	1		
20	160	MEA	Measurements	O	40		
24	210	DTM	Date/Time Reference (Period Start Date)	O	1		
24	210	DTM	Date/Time Reference (Period End Date)	O	1		

			LOOP ID - PTD			>1
26	010	PTD	Product Transfer and Resale Detail (Un-metered Consumption)	M	1	
27	030	REF	Reference Identification (Utility Rate Service Class)	O	1	
28	030	REF	Reference Identification (Rate Sub Class)	O	1	
			LOOP ID - QTY			>1
29	110	QTY	Quantity (Number of Meters)	O	1	
30	140	AMT	Monetary Amount (Back Out Credit)	O	1	
30	160	MEA	Measurements	O	40	
32	210	DTM	Date/Time Reference (Period Start Date)	O	1	
32	210	DTM	Date/Time Reference (Period End Date)	O	1	
			LOOP ID - PTD			>1
33	010	PTD	Product Transfer and Resale Detail (Metered Consumption Detail)	M	1	
35	030	REF	Reference Identification (Meter Number)	O	1	
36	030	REF	Reference Identification (Utility Rate Service Class)	O	1	
37	030	REF	Reference Identification (Rate Sub Class)	O	1	
			LOOP ID - QTY			>1
38	110	QTY	Quantity (Number of Meters)	O	1	
39	140	AMT	Monetary Amount (Back Out Credit)	O	1	
40	160	MEA	Measurements	O	40	
43	210	DTM	Date/Time Reference (Period Start Date)	O	1	
44	210	DTM	Date/Time Reference (Period End Date)	O	1	
			LOOP ID - PTD			>1
15	010	PTD	Product Transfer and Resale Detail (Interval Usage Summary – Account Level)	M	1	
17	030	REF	Reference Identification (Utility Rate Service Class)	O	1	
18	030	REF	Reference Identification (Rate Sub Class)	O	1	
37	030	REF	Reference Identification (Interval Reading Period)	O	1	
##	070	DTM	Date/Time Reference (Period Start Date)	O	1	
##	070	DTM	Date/Time Reference (Period End Date)	O	1	
			LOOP ID - QTY			>1
19	110	QTY	Quantity (Number of Meters)	O	1	
##	125	QTY	Quantity (Interval Position)	O	>1	
19	140	AMT	Monetary Amount (Back Out Credit)	O	1	
20	160	MEA	Measurements	O	40	
##	210	DTM	Date/Time Reference (Report Period)	O	1	
			LOOP ID – PTD			>1
33	010	PTD	Product Transfer and Resale Detail (Interval Meter Detail)	M	1	
35	030	REF	Reference Identification (Meter Number)	O	1	
36	030	REF	Reference Identification (Utility Rate Service Class)	O	1	
37	030	REF	Reference Identification (Rate Sub Class)	O	1	
37	030	REF	Reference Identification (Interval Reading Period)	O	1	
##	070	DTM	Date/Time Reference (Period Start Date)	O	1	
##	070	DTM	Date/Time Reference (Period End Date)	O	1	
			LOOP ID – QTY			>1
37	110	QTY	Quantity (Number of Meters)	O	1	
##	125	QTY	Quantity (Interval Positon)	O	>1	
39	140	AMT	Monetary Amount (Back Out Credit)	O	1	
40	160	MEA	Measurements	O	40	
##	210	DTM	Date/Time Reference (Report Period)	O	1	

Summary:

Page No.	Pos. No.	Seg. ID	Name	Req. Des.	Max.Use	Loop Repeat	Notes and Comments
45	030	SE	Transaction Set Trailer	M	1		
E-1			Examples				

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

ST~867~0000001

Data Element Summary

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

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

BPT~00~2006042430326001~20060424~DD

Data Element Summary

	Ref. Des.	Data Element	Name	Attributes	
Mand.	**BPT01**	**353**	**Transaction Set Purpose Code**	**M**	**ID 2/2**
			00 Original Conveys original readings for the account being reported.		
			01 Cancellation Indicates that the readings previously reported for the account are to be ignored.		
Must Use	**BPT02**	**127**	**Reference Identification**	**O**	**AN 1/30**
			A unique transaction identification number assigned by the originator of this transaction. This number should be unique over time.		
Mand.	**BPT03**	**373**	**Date**	**M**	**DT 8/8**
			Date Expressed as CCYYMMDD. Transaction Creation Date. This is the date that the transaction was created by the sender's application system.		
Cond	**BPT04**	**755**	**Report Type Code**	**O**	**ID 2/2**
			C1 Distributor Inventory Report Indicates this is an interval usage transaction		
Cond	**BPT07**	**306**	**Action Code**	**O**	**ID 1/2**
			F Final Used only when reporting final consumption for an account when the customer account is final with the utility.		
Cond	**BPT09**	**127**	**Reference Identification**	**O**	**AN 1/30**
			When BPT01 = 01 this element should contain the transaction identification number sent in BPT02 in the transaction that is being cancelled.		

Segment: **DTM** **Date/Time Reference (Next Meter Read Date)**
Position: 050
Loop:
Level: Heading
Usage: Optional
Max Use: 1
Purpose: To specify pertinent dates and times
Syntax Notes:
1 At least one of DTM02 DTM03 or DTM05 is required.
2 If DTM04 is present, then DTM03 is required.
3 If either DTM05 or DTM06 is present, then the other is required.
Semantic Notes:
Comments:
Notes: Optional

DTM~634~20061203

Data Element Summary

	Ref. Des.	Data Element	Name		Attributes	
Mand.	**DTM01**	**374**	**Date/Time Qualifier**		**M**	**ID 3/3**
			634	Next Review Date Next Meter Read Date		
Must Use	**DTM02**	**373**	**Date**		**X**	**DT 8/8**
			The date of the next scheduled meter read in the form CCYYMMDD.			

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

N1~SJ~~24~123456789

Data Element Summary

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

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

N1~8S~~24~012345678

Data Element Summary

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

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

This N1 Loop (N101=8R) is required to transmit data pertaining to an end use retail customer. The N1 (Customer) and REF*12 (Utility Account Number) segments within this N1 Loop must be present in all transactions. The REF*45 (Previous Utility Account Number) segment is conditional and all other segments in this N1 loop are optional.

The sender may populate the N102 element (see below) with "NAME" or the customer's actual name may be provided by mutual agreement.

N1~8R~JOHN SMITH
N1~8R~NAME

Data Element Summary

	Ref. Des.	Data Element	Name	Attributes
Mand.	**N101**	**98**	**Entity Identifier Code** 8R Consumer Service Provider (CSP) Customer Identifies the end use customer targeted by this transaction.	**M ID 2/3**
Must Use	**N102**	**93**	**Name** Customer's name or NAME To ensure compliance with ANSI X12 requirements, this element must contain either the customer's literal name or 'NAME'. The customer's literal name is not necessary for successful completion of the transaction but may be provided by mutual agreement between trading partners.	**X AN 1/60**

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

N3~STREET ADDRESS~OVERFLOW ADDRESS

Data Element Summary

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

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

Service Address information may be provided in this transaction at the discretion of the Utility. When service address information is being sent, the N4 segment should be sent. Please review the element notes for the N401, N402 and N403 in the TS814 Change Implementation Guide for more detailed information regarding how each Utility may communicate service address information.

N4~CITYNAME~ST~12345

Data Element Summary

	Ref. Des.	Data Element	Name	Attributes	
Must Use	**N401**	**19**	**City Name**	**O**	**AN 2/30**
Cond	**N402**	**156**	**State or Province Code**	**O**	**ID 2/2**
Cond	**N403**	**116**	**Postal Code**	**O**	**ID 3/15**

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

REF~11~A12345009Z

Data Element Summary

	Ref. Des.	Data Element	Name		Attributes	
Mand.	**REF01**	**128**	**Reference Identification Qualifier**		**M**	**ID 2/3**
			11	Account Number REF02 is the ESCO assigned account number for the customer.		
Must Use	**REF02**	**127**	**Reference Identification**		**X**	**AN 1/30**
			ESCO Marketer assigned account number for the customer.			

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

Data Element Summary

	Ref. Des.	Data Element	Name	Attributes
Mand.	**REF01**	**128**	**Reference Identification Qualifier** 12 Billing Account REF02 is the Utility-assigned account number for the customer.	**M ID 2/3**
Must Use	**REF02**	**127**	**Reference Identification** Utility assigned customer account number The utility account number must be supplied without intervening spaces or non-alphanumeric characters. (Characters added to aid in visible presentation on a bill, for example, should be removed)	**X AN 1/30**
Cond	**REF03**	**352**	**Description** If specified in its Utility Maintained EDI Guide, the REF03 element in the REF*12 segment will only be present in 867MU or 867HU transactions initiated by the utility where consumption is electric. This element may be used by the utility to further define the electric service as an un-metered service delivery point. U Un-Metered Service	**X AN 1/80**

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

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

REF~45~9194132485705971

Data Element Summary

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

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

As specified in its Utility Maintained EDI Guide, a Utility that supports this segment will indicate the bill option that is in effect for the period defined in the 867.
REF*BLT*LDC

Data Element Summary

	Ref. Des.	Data Element	Name	Attributes
Must Use	**REF01**	**128**	**Reference Identification Qualifier** Code qualifying the Reference Identification BLT Billing Type Bill Presenter	**M ID 2/3**
Must Use	**REF02**	**127**	**Reference Identification** Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier DUAL Each Party Presents a Separate Bill ESP ESCO is the Consolidated Bill Presenter LDC Utility is the Consolidated Bill Presenter	**X AN 1/30**

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

Three PTD Loops with codes of BC, BO, or BQ have been provided for transmitting current consumption data. It is required that you use the correct PTD segment for the type of data you are transmitting, e.g. do not use a PTD segment where PTD01=BQ to send un-metered consumption information. Consumption for un-metered service points is summarized separately in a PTD loop with PTD01=BC.

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

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

PTD~BO~~OZ~GAS

Data Element Summary

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

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

REF~NH~A001
REF~NH~1150100

Data Element Summary

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

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

REF~PR~RSVD
REF~PR~NRSVD

Data Element Summary

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

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

This QTY loop is required to report the number of meters being summarized in the PTD=BO loop.

QTY~FL~2 (indicates 2 Meters)

Data Element Summary

	Ref. Des.	Data Element	Name	Attributes	
Mand.	**QTY01**	**673**	**Quantity Qualifier**	**M**	**ID 2/2**
			FL Units		
Must Use	**QTY02**	**380**	**Quantity**	**X**	**R 1/15**
			Contains the number of summarized meters in this loop.		

Segment: **AMT** **Monetary Amount (Back Out Credit)**
Position: 140
Loop: QTY Optional (Must Use)
Level: Detail
Usage: Optional (Dependent)
Max Use: 1
Purpose: To indicate the total monetary amount
Syntax Notes:
Semantic Notes:
Comments:
Notes: Conditional

As specified in its Utility Maintained EDI Guide, this segment will be sent by the utility and represents the amount backed out from a customer's 'bundled' bill to provide a retail adjustment credit for the delivered quantity supplied by an ESCO.

AMT~ZT~-23.29
AMT~ZT~0.00

Data Element Summary

	Ref. Des.	Data Element	Name	Attributes
Mand.	**AMT01**	**522**	**Amount Qualifier Code**	**M ID 1/3**
			ZT Prorated Amount Back Out Credit amount reported in AMT02.	
Mand.	**AMT02**	**782**	**Monetary Amount**	**M R 1/18**
			The amount credited to a customer's 'bundled' bill to provide a retail adjustment credit for the delivered quantity supplied by an ESCO. If a utility's rate structure results in a customer's bill with supply and delivery bundled in a single charge, the adjustment credit is based on either the average daily market price of the commodity or on a tariff filed Retail Access Credit (RAC).	

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.
Syntax Notes:
1 At least one of MEA03 MEA05 MEA06 or MEA08 is required.
2 If MEA05 is present, then MEA04 is required.
3 If MEA06 is present, then MEA04 is required.
4 If MEA07 is present, then at least one of MEA03 MEA05 or MEA06 is required.
5 Only one of MEA08 or MEA03 may be present.
Semantic Notes:
1 MEA04 defines the unit of measure for MEA03, MEA05, and MEA06.
Comments:
1 When citing dimensional tolerances, any measurement requiring a sign (+ or -), or any measurement where a positive (+) value cannot be assumed, use MEA05 as the negative (-) value and MEA06 as the positive (+) value.
Notes: Required

Consumption shown with measurement type and daily peak period.

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 off peak recorded demand
MEA~AN~PRQ~7.3~K1~~~42 <--- 7.3 kW on peak recorded demand
MEA~AN~PRQ~3~K1~~~43 <--- 3 kW shoulder peak recorded demand
MEA~AN~PRQ~750~KH~~~41 <--- 750 kWh off peak use
MEA~AN~PRQ~1275~KH~~~42 <--- 1275 kWh on peak use
MEA~EN~PRQ~350~KH~~~43 <--- 350 kWh estimated shoulder peak use
MEA~AN~PRQ~600~HH <---600 ccf gas, total actual consumption

Data Element Summary

	Ref. Des.	Data Element	Name		Attributes	
Must Use	**MEA01**	**737**	**Measurement Reference ID Code**		**O**	**ID 2/2**
			AN	Work		
				Period Actual		
			BR	Billed History		
			EN	Environmental Conditions		
				Period Estimated		
Must Use	**MEA02**	**738**	**Measurement Qualifier**		**O**	**ID 1/3**
			PRQ	Product Reportable Quantity		
				Consumption		
Must Use	**MEA03**	**739**	**Measurement Value**		**X**	**R 1/20**
			Quantity of the consumption delivered for the service period.			

Must Use	**MEA04**	**C001**	**Composite Unit of Measure**		**X**	
Mand.	**C00101**	**355**	**Unit or Basis for Measurement Code**		**M**	**ID 2/2**
			HH	Hundred Cubic Feet ccf		
			K1	Kilowatt Demand		
			K2	Kilovolt Amperes Reactive Demand		
			K3	Kilovolt Amperes Reactive Hour		
			K4	Kilovolt Amperes		
			K5	Kilovolt Amperes Reactive		
			K7	Kilowatt		
			KH	Kilowatt Hour		
			TD	Therms		
			TZ	Thousand Cubic Feet		
Cond	**MEA07**	**935**	**Measurement Significance Code**		**O**	**ID 2/2**
			When PTD05 = GAS, this element is not used.			
			41	Off Peak For Consolidated Edison, this code will be used to designate Small Time of Use Off Peak Energy.		
			42	On Peak For Consolidated Edison, 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 For Consolidated Edison, this code will be used to designate Total Energy or Total Billed Demand.		
			57	Boarded or Blocked Up Summer Total		
			58	Planned Winter Total		
			73	Low to High Summer Off Peak		
			74	Low to Medium Summer Intermediate Peak		
			75	Low to Moderate Winter Off Peak		
			84	Good to High High Tension On Peak Energy		
			85	High High Tension Off Peak Energy		
			86	Budgeted Low Tension On Peak Energy		
			87	Forecast Low Tension Off Peak Energy		
			88	Adjusted Low Tension Total Energy		
			89	Allocated Low Tension Primary Demand		
			90	Increasing Low Tension Secondary Demand		
			91	Stable Low Tension Transmission Demand		
			92	Declining High Tension Total Energy		
			93	Previous		

94	High Tension Primary Demand Potential High Tension Transmission Demand

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

DTM~150~20060315

Data Element Summary

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

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

DTM~151~20060415

Data Element Summary

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

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

This PTD loop is required when reporting un-metered consumption.

A single PTD loop is used to report all un-metered consumption for a period when the same rate service class (and subclass, as applicable) applies to all of the un-metered consumption being reported in a transaction. If more than one rate service class (or subclass) is applicable to the un-metered usage being reported on an account, separate PTD loops must be sent for each rate class.

PTD~BC~~~OZ~EL

Data Element Summary

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

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

REF~NH~A001
REF~NH~1150100

Data Element Summary

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

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

REF~PR~RSVD
REF~PR~NRSVD

Data Element Summary

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

Segment: **QTY** **Quantity (Number of Meters)**
Position: 110
Loop: QTY Optional (Must Use)
Level: Detail
Usage: Optional (Must Use)
Max Use: 1
Purpose: To specify quantity information.
Syntax Notes: **1** At least one of QTY02 or QTY04 is required.
2 Only one of QTY02 or QTY04 may be present.
Semantic Notes: **1** QTY04 is used when the quantity is non-numeric.
Comments:
Notes: Required.
A separate QTY loop is used to indicate the number of un-metered service points summarized in this loop.

QTY~FL~44 (indicates 44 un-metered points)

Data Element Summary

	Ref. Des.	Data Element	Name	Attributes	
Mand.	**QTY01**	**673**	**Quantity Qualifier**	**M**	**ID 2/2**
			FL Units		
Must Use	**QTY02**	**380**	**Quantity**	**X**	**R 1/15**
			Contains the number of un-metered points reported in this period.		

Segment: **AMT** **Monetary Amount (Back Out Credit)**
Position: 140
Loop: QTY Optional (Must Use)
Level: Detail
Usage: Optional (Dependent)
Max Use: 1
Purpose: To indicate the total monetary amount
Syntax Notes:
Semantic Notes:
Comments:
Notes: Conditional

As specified in its Utility Maintained EDI Guide, this segment will be sent by the utility and represents the amount backed out from a customer's 'bundled' bill to provide a retail adjustment credit for the delivered quantity supplied by an ESCO.

AMT~ZT~-23.29
AMT~ZT~0.00

Data Element Summary

	Ref. Des.	Data Element	Name	Attributes
Mand.	**AMT01**	**522**	**Amount Qualifier Code**	**M ID 1/3**
			ZT Prorated Amount Back Out Credit amount reported in AMT02.	
Mand.	**AMT02**	**782**	**Monetary Amount**	**M R 1/18**
			The amount credited to a customer's 'bundled' bill to provide a retail adjustment credit for the delivered quantity supplied by an ESCO. if a utility's rate structure results in a customer's bill with supply and delivery bundled in a single charge, the adjustment credit is based on either the average daily market price of the commodity or on a tariff filed Retail Access Credit (RAC).	

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.
Syntax Notes:
1 At least one of MEA03 MEA05 MEA06 or MEA08 is required.
2 If MEA05 is present, then MEA04 is required.
3 If MEA06 is present, then MEA04 is required.
4 If MEA07 is present, then at least one of MEA03 MEA05 or MEA06 is required.
5 Only one of MEA08 or MEA03 may be present.
Semantic Notes:
1 MEA04 defines the unit of measure for MEA03, MEA05, and MEA06.
Comments:
1 When citing dimensional tolerances, any measurement requiring a sign (+ or -), or any measurement where a positive (+) value cannot be assumed, use MEA05 as the negative (-) value and MEA06 as the positive (+) value.
Notes: Required

Consumption shown with measurement type.

MEA~BR~PRQ~10101~KH (indicates 10101 kWh consumption)

Data Element Summary

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

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

DTM~150~20060315

Data Element Summary

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

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

DTM~151~20060415

Data Element Summary

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

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

Required when metered consumption is being reported by meter. When recorded usage data is being reported by meter (required in the Single Retailer model), the data should be sent in the PTD~PM loop and not this loop.

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

PTD~BQ~~~OZ~EL

Data Element Summary

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

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

REF~MG~012345678

Data Element Summary

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

REF~NH~A001
REF~NH~1150100

Data Element Summary

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

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

REF~PR~RSVD
REF~PR~NRSVD

Data Element Summary

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

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

QTY~FL~1 = 1 Meter

Data Element Summary

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

Segment: **AMT** **Monetary Amount (Back Out Credit)**
Position: 140
Loop: QTY Optional (Must Use)
Level: Detail
Usage: Optional (Dependent)
Max Use: 1
Purpose: To indicate the total monetary amount
Syntax Notes:
Semantic Notes:
Comments:
Notes: Conditional

As specified in its Utility Maintained EDI Guide, this segment will be sent by the utility and represents the amount backed out from a customer's 'bundled' bill to provide a retail adjustment credit for the delivered quantity supplied by an ESCO.

AMT~ZT~-23.29
AMT~ZT~0.00

Data Element Summary

	Ref. Des.	Data Element	Name	Attributes
Mand.	**AMT01**	**522**	**Amount Qualifier Code**	**M ID 1/3**
			ZT Prorated Amount Back Out Credit amount reported in AMT02.	
Mand.	**AMT02**	**782**	**Monetary Amount**	**M R 1/18**
			The amount credited to a customer's 'bundled' bill to provide a retail adjustment credit for the delivered quantity supplied by an ESCO. if a utility's rate structure results in a customer's bill with supply and delivery bundled in a single charge, the adjustment credit is based on either the average daily market price of the commodity or on a tariff filed Retail Access Credit (RAC).	

Segment: **MEA** **Measurements**
Position: 160
Loop: QTY Optional (Must Use)
Level: Detail
Usage: Optional (Must Use)
Max Use: 40
Purpose: To specify physical measurements or counts, including dimensions, tolerances, variances, and weights (See Figures Appendix for example of use of C001)
Syntax Notes:
1 At least one of MEA03 MEA05 MEA06 or MEA08 is required.
2 If MEA05 is present, then MEA04 is required.
3 If MEA06 is present, then MEA04 is required.
4 If MEA07 is present, then at least one of MEA03 MEA05 or MEA06 is required.
5 Only one of MEA08 or MEA03 may be present.
Semantic Notes:
1 MEA04 defines the unit of measure for MEA03, MEA05, and MEA06.
Comments:
1 When citing dimensional tolerances, any measurement requiring a sign (+ or -), or any measurement where a positive (+) value cannot be assumed, use MEA05 as the negative (-) value and MEA06 as the positive (+) value.
Notes: Conditional

Actual metered consumption should be sent unless actual is not available after billing. If actual consumption is not available then billed consumption should be sent and MEA01 should contain "BR".

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 off peak recorded demand
MEA~AN~PRQ~7.3~K1~~~42 <--- 7.3 kW on peak recorded demand
MEA~AN~PRQ~3~K1~~~43 <--- 3 kW shoulder peak recorded demand
MEA~AN~PRQ~750~KH~~~41 <--- 750 kWh off peak use
MEA~AN~PRQ~1275~KH~~~42 <--- 1275 kWh on peak use
MEA~EN~PRQ~350~KH~~~43 <--- 350 kWh estimated shoulder peak use
MEA~AN~PRQ~600~HH <---600 ccf gas, total actual consumption

Data Element Summary

	Ref. Des.	Data Element	Name		Attributes	
Must Use	**MEA01**	**737**	**Measurement Reference ID Code**		**O**	**ID 2/2**
			AN	Work Period Actual		
			BR	Billed History Use only when actual or estimated consumption is not available.		
			EN	Environmental Conditions Period Estimated		
Must Use	**MEA02**	**738**	**Measurement Qualifier**		**O**	**ID 1/3**
			PRQ	Product Reportable Quantity Consumption		
Must Use	**MEA03**	**739**	**Measurement Value**		**X**	**R 1/20**
			Quantity of the consumption delivered for the service period.			

Must Use	**MEA04**	**C001**	**Composite Unit of Measure**		**X**	
Mand.	**C00101**	**355**	**Unit or Basis for Measurement Code**		**M**	**ID 2/2**
			HH	Hundred Cubic Feet ccf		
			K1	Kilowatt Demand		
			K2	Kilovolt Amperes Reactive Demand		
			K3	Kilovolt Amperes Reactive Hour		
			K4	Kilovolt Amperes		
			K5	Kilovolt Amperes Reactive		
			K7	Kilowatt		
			KH	Kilowatt Hour		
			TD	Therms		
			TZ	Thousand Cubic Feet		
Cond.	**MEA07**	**935**	**Measurement Significance Code**		**O**	**ID 2/2**
			When PTD05 = GAS, this element is not used.			
			41	Off Peak For Consolidated Edison, this code will be used to designate Small Time of Use Off Peak Energy.		
			42	On Peak For Consolidated Edison, 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 For Consolidated Edison, this code will be used to designate Total Energy or Total Billed Demand.		
			57	Boarded or Blocked Up Summer Total		
			58	Planned Winter Total		
			73	Low to High Summer Off Peak		
			74	Low to Medium Summer Intermediate Peak		
			75	Low to Moderate Winter Off Peak		
			84	Good to High High Tension On Peak Energy		
			85	High High Tension Off Peak Energy		
			86	Budgeted Low Tension On Peak Energy		
			87	Forecast Low Tension Off Peak Energy		
			88	Adjusted Low Tension Total Energy		
			89	Allocated Low Tension Primary Demand		
			90	Increasing Low Tension Secondary Demand		

91	Stable Low Tension Transmission Demand
92	Declining High Tension Total Energy
93	Previous High Tension Primary Demand
94	Potential High Tension Transmission Demand

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

DTM~150~20060315

Data Element Summary

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

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

DTM~151~20060415

Data Element Summary

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

New Items Starts

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

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

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

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

PTD~SU~~OZ~EL

Data Element Summary

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

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

REF~NH~A001
REF~NH~1150100

Data Element Summary

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

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

REF~PR~RSVD
REF~PR~NRSVD

Data Element Summary

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

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

REF~MT~KH015 (to indicate 15 minutes interval)
REF~MT~KH005 (to indicate 005 minutes interval)

Data Element Summary

	Ref. Des.	Data Element	Name	Attributes	
Mand.	**REF01**	**128**	**Reference Identification Qualifier** MT Meter Ticket Number Interval Reading Period.	**M**	**ID 2/3**
Must Use	**REF02**	**127**	**Reference Identification** Provides clarification of interval meter data reading period REF01 where REF01=MT. The type and reporting interval for consumption measurements are described in a five-character field. The first two characters are used to describe the type of consumption. The last three characters describe the reporting interval. The REF02 in this segment should contain one of the following codes as the first two characters to describe the type of consumption: K1 Kilowatt Demand (kW) K2 Kilovolt Amperes Reactive Demand (kVAR) K3 Kilovolt Amperes Reactive Hour (kVARH) K4 Kilovolt Amperes (kVA) K5 Kilovolt Amperes Reactive (kVAR) KH Kilowatt Hour (kWh) HH Hundred Cubic Feet (CCF) TZ Thousand Cubic Feet (MCF) TD Therms The following codes are used in the last three characters of the REF02 to document the interval capabilities for the metered or un-metered service delivery point(s) identified in the NM109. If that capability is not known then the interval that should be reported is the scheduled meter reading interval. BIM Bi-Monthly DAY Daily MON Monthly QTR Quarterly TOU Time of Use 001-999 - Reporting Intervals (e.g. 015 indicates 15 minute intervals, 060 indicates 60 minute intervals, etc.) For example:	**X**	**AN 1/30**

KHMON	Kilowatt Hours Per Month	Kilowatt Hours Per
KH015	Kilowatt Hours Per 15 minutes interval	
K1015	Kilowatt Demand per 15 minute interval	

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

DTM~150~20060315

Data Element Summary

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

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

DTM~151~20060415

Data Element Summary

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

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

This QTY loop is required to report the number of meters being summarized in the PTD=BO loop.

QTY~FL~2 (indicates 2 Meters)

Data Element Summary

	Ref. Des.	Data Element	Name	Attributes	
Mand.	**QTY01**	**673**	**Quantity Qualifier**	**M**	**ID 2/2**
			FL Units		
Must Use	**QTY02**	**380**	**Quantity**	**X**	**R 1/15**
			Contains the number of summarized meters in this loop.		

Segment: **QTY** **Quantity (Interval Position)**
Position: 125
Loop: QTY Optional (Must Use)
Level: Detail
Usage: Optional (Must Use)
Max Use: > 1
Purpose: To specify quantity information. A separate Quantity loop is used for each register or measurement type being summarized.
Syntax Notes:
1 At least one of QTY02 or QTY04 is required.
2 Only one of QTY02 or QTY04 may be present.
Semantic Notes:
1 QTY04 is used when the quantity is non-numeric.
Comments:
Notes: Required

This QTY loop is required to report the position of the interval being summarized in the PTD=SU loop.

QTY~QP~1 (indicates interval period 1)
QTY~QP~2 (indicates interval period 2)
…
…
QTY~QP~720 (indicates interval period 720)
…
…Continue on until end of period

Data Element Summary

	Ref. Des.	Data Element	Name	Attributes	
Mand.	**QTY01**	**673**	**Quantity Qualifier**	**M**	**ID 2/2**
			QP Interval Count		
Must Use	**QTY02**	**380**	**Quantity**	**X**	**R 1/15**
			Contains the number of summarized meters in this loop.		

Segment: **AMT** **Monetary Amount (Back Out Credit)**
Position: 140
Loop: QTY Optional (Must Use)
Level: Detail
Usage: Optional (Dependent)
Max Use: 1
Purpose: To indicate the total monetary amount
Syntax Notes:
Semantic Notes:
Comments:
Notes: Conditional

As specified in its Utility Maintained EDI Guide, this segment will be sent by the utility and represents the amount backed out from a customer's 'bundled' bill to provide a retail adjustment credit for the delivered quantity supplied by an ESCO.

AMT~ZT~-23.29
AMT~ZT~0.00

Data Element Summary

	Ref. Des.	Data Element	Name	Attributes
Mand.	**AMT01**	**522**	**Amount Qualifier Code**	**M ID 1/3**
			ZT Prorated Amount Back Out Credit amount reported in AMT02.	
Mand.	**AMT02**	**782**	**Monetary Amount**	**M R 1/18**
			The amount credited to a customer's 'bundled' bill to provide a retail adjustment credit for the delivered quantity supplied by an ESCO. If a utility's rate structure results in a customer's bill with supply and delivery bundled in a single charge, the adjustment credit is based on either the average daily market price of the commodity or on a tariff filed Retail Access Credit (RAC).	

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.
Syntax Notes:
1 At least one of MEA03 MEA05 MEA06 or MEA08 is required.
2 If MEA05 is present, then MEA04 is required.
3 If MEA06 is present, then MEA04 is required.
4 If MEA07 is present, then at least one of MEA03 MEA05 or MEA06 is required.
5 Only one of MEA08 or MEA03 may be present.
Semantic Notes:
1 MEA04 defines the unit of measure for MEA03, MEA05, and MEA06.
Comments:
1 When citing dimensional tolerances, any measurement requiring a sign (+ or -), or any measurement where a positive (+) value cannot be assumed, use MEA05 as the negative (-) value and MEA06 as the positive (+) value.
Notes: Required

Consumption shown with measurement type and daily peak period.

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 off peak recorded demand
MEA~AN~PRQ~7.3~K1~~~42 <--- 7.3 kW on peak recorded demand
MEA~AN~PRQ~3~K1~~~43 <--- 3 kW shoulder peak recorded demand
MEA~AN~PRQ~750~KH~~~41 <--- 750 kWh off peak use
MEA~AN~PRQ~1275~KH~~~42 <--- 1275 kWh on peak use
MEA~EN~PRQ~350~KH~~~43 <--- 350 kWh estimated shoulder peak use
MEA~AN~PRQ~600~HH <---600 ccf gas, total actual consumption

Data Element Summary

	Ref. Des.	Data Element	Name		Attributes	
Must Use	**MEA01**	**737**	**Measurement Reference ID Code**		**O**	**ID 2/2**
			AN	Work		
				Period Actual		
			BR	Billed History		
			EN	Environmental Conditions		
				Period Estimated		
Must Use	**MEA02**	**738**	**Measurement Qualifier**		**O**	**ID 1/3**
			PRQ	Product Reportable Quantity		
				Consumption		
Must Use	**MEA03**	**739**	**Measurement Value**		**X**	**R 1/20**
			Quantity of the consumption delivered for the service period.			

Must Use	**MEA04**	**C001**	**Composite Unit of Measure**		**X**	
Mand.	**C00101**	**355**	**Unit or Basis for Measurement Code**		**M**	**ID 2/2**
			HH	Hundred Cubic Feet ccf		
			K1	Kilowatt Demand		
			K2	Kilovolt Amperes Reactive Demand		
			K3	Kilovolt Amperes Reactive Hour		
			K4	Kilovolt Amperes		
			K5	Kilovolt Amperes Reactive		
			K7	Kilowatt		
			KH	Kilowatt Hour		
			TD	Therms		
			TZ	Thousand Cubic Feet		
Cond	**MEA07**	**935**	**Measurement Significance Code**		**O**	**ID 2/2**
			When PTD05 = GAS, this element is not used.			
			41	Off Peak For Consolidated Edison, this code will be used to designate Small Time of Use Off Peak Energy.		
			42	On Peak For Consolidated Edison, 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 For Consolidated Edison, this code will be used to designate Total Energy or Total Billed Demand.		
			57	Boarded or Blocked Up Summer Total		
			58	Planned Winter Total		
			73	Low to High Summer Off Peak		
			74	Low to Medium Summer Intermediate Peak		
			75	Low to Moderate Winter Off Peak		
			84	Good to High High Tension On Peak Energy		
			85	High High Tension Off Peak Energy		
			86	Budgeted Low Tension On Peak Energy		
			87	Forecast Low Tension Off Peak Energy		
			88	Adjusted Low Tension Total Energy		
			89	Allocated Low Tension Primary Demand		
			90	Increasing Low Tension Secondary Demand		
			91	Stable Low Tension Transmission Demand		
			92	Declining High Tension Total Energy		
			93	Previous		

94	High Tension Primary Demand
	Potential
	High Tension Transmission Demand

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

DTM~582~20170104~1500~ES

Data Element Summary

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

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

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

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

PTD~PM~~~OZ~EL

Data Element Summary

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

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

REF~MG~012345678

Data Element Summary

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

REF~NH~A001
REF~NH~1150100

Data Element Summary

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

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

REF~PR~RSVD
REF~PR~NRSVD

Data Element Summary

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

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

REF~MT~KH015 (to indicate 15 minutes interval)
REF~MT~KH005 (to indicate 005 minutes interval)

Data Element Summary

	Ref. Des.	Data Element	Name	Attributes	
Mand.	**REF01**	**128**	**Reference Identification Qualifier** MT Meter Ticket Number Interval Reading Period.	**M**	**ID 2/3**
Must Use	**REF02**	**127**	**Reference Identification** Provides clarification of interval meter data reading period REF01 where REF01=MT. The type and reporting interval for consumption measurements are described in a five-character field. The first two characters are used to describe the type of consumption. The last three characters describe the reporting interval. The REF02 in this segment should contain one of the following codes as the first two characters to describe the type of consumption: K1 Kilowatt Demand (kW) K2 Kilovolt Amperes Reactive Demand (kVAR) K3 Kilovolt Amperes Reactive Hour (kVARH) K4 Kilovolt Amperes (kVA) K5 Kilovolt Amperes Reactive (kVAR) KH Kilowatt Hour (kWh) HH Hundred Cubic Feet (CCF) TZ Thousand Cubic Feet (MCF) TD Therms The following codes are used in the last three characters of the REF02 to document the interval capabilities for the metered or un-metered service delivery point(s) identified in the NM109. If that capability is not known then the interval that should be reported is the scheduled meter reading interval. BIM Bi-Monthly DAY Daily MON Monthly QTR Quarterly TOU Time of Use 001-999 - Reporting Intervals (e.g. 015 indicates 15 minute intervals, 060 indicates 60 minute intervals, etc.) For example:	**X**	**AN 1/30**

KHMON	Kilowatt Hours Per Month	Kilowatt Hours Per
KH015	Kilowatt Hours Per 15 minutes interval	
K1015	Kilowatt Demand per 15 minute interval	

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

DTM~150~20060315

Data Element Summary

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

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

DTM~151~20060415

Data Element Summary

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

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

QTY~FL~1 = 1 Meter

Data Element Summary

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

Segment: **QTY** **Quantity (Meter Position)**
Position: 125
Loop: QTY Optional (Must Use)
Level: Detail
Usage: Optional (Must Use)
Max Use: > 1
Purpose: To specify quantity information. A separate Quantity loop is used for each register or measurement type being summarized.
Syntax Notes:
1 At least one of QTY02 or QTY04 is required.
2 Only one of QTY02 or QTY04 may be present.
Semantic Notes:
1 QTY04 is used when the quantity is non-numeric.
Comments:
Notes: Required

This QTY loop is required to report the position of the interval being summarized in the PTD=SU loop.

QTY~QP~1 (indicates interval period 1)
QTY~QP~2 (indicates interval period 2)
…
…
QTY~QP~720 (indicates interval period 720)
…
…Continue on until end of period

Data Element Summary

	Ref. Des.	Data Element	Name	Attributes	
Mand.	**QTY01**	**673**	**Quantity Qualifier**	**M**	**ID 2/2**
			QP Interval Count		
Must Use	**QTY02**	**380**	**Quantity**	**X**	**R 1/15**
			Contains the number of summarized meters in this loop.		

Segment: **AMT** **Monetary Amount (Back Out Credit)**
Position: 140
Loop: QTY Optional (Must Use)
Level: Detail
Usage: Optional (Dependent)
Max Use: 1
Purpose: To indicate the total monetary amount
Syntax Notes:
Semantic Notes:
Comments:
Notes: Conditional

As specified in its Utility Maintained EDI Guide, this segment will be sent by the utility and represents the amount backed out from a customer's 'bundled' bill to provide a retail adjustment credit for the delivered quantity supplied by an ESCO.

AMT~ZT~-23.29
AMT~ZT~0.00

Data Element Summary

	Ref. Des.	Data Element	Name	Attributes
Mand.	**AMT01**	**522**	**Amount Qualifier Code**	**M ID 1/3**
			ZT Prorated Amount Back Out Credit amount reported in AMT02.	
Mand.	**AMT02**	**782**	**Monetary Amount**	**M R 1/18**
			The amount credited to a customer's 'bundled' bill to provide a retail adjustment credit for the delivered quantity supplied by an ESCO. if a utility's rate structure results in a customer's bill with supply and delivery bundled in a single charge, the adjustment credit is based on either the average daily market price of the commodity or on a tariff filed Retail Access Credit (RAC).	

Segment: **MEA** **Measurements**
Position: 160
Loop: QTY Optional (Must Use)
Level: Detail
Usage: Optional (Must Use)
Max Use: 40
Purpose: To specify physical measurements or counts, including dimensions, tolerances, variances, and weights (See Figures Appendix for example of use of C001)
Syntax Notes:
1 At least one of MEA03 MEA05 MEA06 or MEA08 is required.
2 If MEA05 is present, then MEA04 is required.
3 If MEA06 is present, then MEA04 is required.
4 If MEA07 is present, then at least one of MEA03 MEA05 or MEA06 is required.
5 Only one of MEA08 or MEA03 may be present.
Semantic Notes:
1 MEA04 defines the unit of measure for MEA03, MEA05, and MEA06.
Comments:
1 When citing dimensional tolerances, any measurement requiring a sign (+ or -), or any measurement where a positive (+) value cannot be assumed, use MEA05 as the negative (-) value and MEA06 as the positive (+) value.
Notes: Conditional

Actual metered consumption should be sent unless actual is not available after billing. If actual consumption is not available then billed consumption should be sent and MEA01 should contain "BR".

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 off peak recorded demand
MEA~AN~PRQ~7.3~K1~~~42 <--- 7.3 kW on peak recorded demand
MEA~AN~PRQ~3~K1~~~43 <--- 3 kW shoulder peak recorded demand
MEA~AN~PRQ~750~KH~~~41 <--- 750 kWh off peak use
MEA~AN~PRQ~1275~KH~~~42 <--- 1275 kWh on peak use
MEA~EN~PRQ~350~KH~~~43 <--- 350 kWh estimated shoulder peak use
MEA~AN~PRQ~600~HH <---600 ccf gas, total actual consumption

Data Element Summary

	Ref. Des.	Data Element	Name		Attributes	
Must Use	**MEA01**	**737**	**Measurement Reference ID Code**		**O**	**ID 2/2**
			AN	Work Period Actual		
			BR	Billed History Use only when actual or estimated consumption is not available.		
			EN	Environmental Conditions Period Estimated		
Must Use	**MEA02**	**738**	**Measurement Qualifier**		**O**	**ID 1/3**
			PRQ	Product Reportable Quantity Consumption		
Must Use	**MEA03**	**739**	**Measurement Value**		**X**	**R 1/20**
			Quantity of the consumption delivered for the service period.			

Must Use	**MEA04**	**C001**	**Composite Unit of Measure**		**X**	
Mand.	**C00101**	**355**	**Unit or Basis for Measurement Code**		**M**	**ID 2/2**
			HH	Hundred Cubic Feet ccf		
			K1	Kilowatt Demand		
			K2	Kilovolt Amperes Reactive Demand		
			K3	Kilovolt Amperes Reactive Hour		
			K4	Kilovolt Amperes		
			K5	Kilovolt Amperes Reactive		
			K7	Kilowatt		
			KH	Kilowatt Hour		
			TD	Therms		
			TZ	Thousand Cubic Feet		
Cond.	**MEA07**	**935**	**Measurement Significance Code**		**O**	**ID 2/2**
			When PTD05 = GAS, this element is not used.			
			41	Off Peak For Consolidated Edison, this code will be used to designate Small Time of Use Off Peak Energy.		
			42	On Peak For Consolidated Edison, 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 For Consolidated Edison, this code will be used to designate Total Energy or Total Billed Demand.		
			57	Boarded or Blocked Up Summer Total		
			58	Planned Winter Total		
			73	Low to High Summer Off Peak		
			74	Low to Medium Summer Intermediate Peak		
			75	Low to Moderate Winter Off Peak		
			84	Good to High High Tension On Peak Energy		
			85	High High Tension Off Peak Energy		
			86	Budgeted Low Tension On Peak Energy		
			87	Forecast Low Tension Off Peak Energy		
			88	Adjusted Low Tension Total Energy		
			89	Allocated Low Tension Primary Demand		
			90	Increasing Low Tension Secondary Demand		

91	Stable
	Low Tension Transmission Demand
92	Declining
	High Tension Total Energy
93	Previous
	High Tension Primary Demand
94	Potential
	High Tension Transmission Demand

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

DTM~582~20170104~1500~ES

Data Element Summary

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

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

SE~15~0001

Data Element Summary

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

EXAMPLES

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

Example 1 – For multimeter

ST*867*1~
BPT*00*40000000000000001612231612222E00*20161224*C1~
DTM*634*20170124~
N1*SJ*ESCO Service, LLC*1*111111111~
N1*8S*UTILITY*1*000000000~
N1*8R*CUST NAME~
N3*1 W 11 ST D~
N4*NEW YORK*NY*10000~
REF*12*400000000000000~

PTD*BO*OZ*EL~**
REF*NH*116~
REF*PR*LO N 53~
QTY*FL*2~
MEA*AN*PRQ*134*KH***51~
MEA*AN*PRQ*0*K1***51~
MEA*AN*PRQ*89*KH***41~
MEA*AN*PRQ*45*KH***42~
DTM*150*20161121~
DTM*151*20161222~

PTD*BQ*OZ*EL~**
REF*MG*88888888~
REF*NH*116~
REF*PR*LO N 53~
QTY*FL*1~
MEA*AN*PRQ*45*KH42~***
DTM*150*20161121~
DTM*151*20161222~

PTD*BQ*OZ*EL~**
REF*MG*99999999~
REF*NH*116~
REF*PR*LO N 53~
QTY*FL*1~
MEA*AN*PRQ*89*KH41~***
DTM*150*20161121~
DTM*151*20161222~

----------Begins here----------
PTD*SU*OZ*EL~** **(Option: interval summary at the account level, by request via account change or enrollment)**
REF*NH*116~
REF*PR*LO N 53~
REF*MT*KH015~
DTM*150*20161121~
DTM*151*20161222~
QTY*FL*2~ (number of meters for this account)
QTY*QP*1~ *(interval position)*
MEA*AN*PRQ*21*KH51~ (total KH at the account level for the first 15 minutes)***
DTM*582*20161222*0015*ES~

QTY*QP*2~
MEA*AN*PRQ*20*KH51~ (total KH at the account level for the next 15 minutes)***
DTM*582*20161222*0030*ES~
…
… Continued until end of period

PTD*PM*OZ*EL~ (Option: interval meter detail, by request via account change or enrollment) – meter 1**

*REF*MG*8888888~ (meter number)*
REF*NH*116~
REF*PR*LO N 53~
REF*MT*KH015~
DTM*150*20161121~
DTM*151*20161222~

QTY*FL*1~ (number of meters)

QTY*QP*1~ (interval position)
MEA*AN*PRQ*10*KH42~***
DTM*582*20161222*0015*ES~

QTY*QP*2~ (interval position)
MEA*AN*PRQ*10*KH42~***
DTM*582*20161222*0030*ES~
…
… Continued until end of period

PTD*PM*OZ*EL~ (Option: interval meter detail, by request via account change or enrollment) – meter 2**
REF*MG*9999999~ (meter number)
REF*NH*116~
REF*PR*LO N 53~
REF*MT*015~
DTM*150*20161121~
DTM*151*20161222~

QTY*FL*1~ (number of meters)

QTY*QP*1~ (Interval position)
MEA*AN*PRQ*11*KH41~***
DTM*582*20161222*0015*ES~

QTY*QP*2~ (interval position)
MEA*AN*PRQ*10*KH41~***
DTM*582*20161222*0030*ES~
…
… Continued until end of period

SE*1*1~