Electronic Data Exchange Standards

for Energy Deregulation in

New York

Monthly Usage

EDI 867 Data Dictionary

January 29, 2016
Version 2.4

		Summary of Changes
July 20, 2001		**Initial Release**
August23, 2001		**Errata Notice Issued**
		Row 66 deleted. An MEA07 element is not used when PTD01=BC (Unmetered Usage).
July 21, 2002		**Version 1.1 Issued**
		• Clarified the usage attribute for each PTD Loop in this transaction. The use of each individual PTD Loop is conditional because whether a specific loop is sent is based on the type of usage information being communicated. Each 867MU transaction, however, must contain at least one PTD loop.
		• Changed the usage attribute for all REF02 elements from optional or conditional to required. When a REF segment is being sent, the 02 element is required.
		• Clarified the usage attribute for the N1 segment within the N1 loop where N101=8R.
		• Usage attribute for the N302 element (Service Address - Street) in the N1=8R loop was changed from Must Use to Conditional.
		• Usage attribute for the N4 segment (Service Address) was changed from Optional to Conditional. If an N3 segment is being sent in this loop, an N4 segment must also be sent. Modified the element notes to be consistent with the treatment of the N4 segment in the TS814 Change Implementation Guide.
		• Changed the code for the AMT segment used by NYSEG to communicate Backout Credit information from "BO" to "ZT" to avoid confusion with the use of the code "BO" in another segment. The usage attribute for these AMT*ZT segments was changed from optional to conditional.
		• Changed the usage attribute for the MEA07 element from Required to Conditional for the PTD loops where PTD01=BO or PTD01=BQ. MEA07 is only required when PTD05=EL.
		• Added new PTD loop (PTD01=BK) to communicate an Interim Bill Notice when the bill option is Utility Bill Ready.
November 26, 2002		**Version 2.0 Issued**
		• Revised the titles of the following PTD segments: Metered Consumption Summary (PTD*BO), Unmetered Consumption (PTD*BC) and Metered Consumption Detail (PTD*BQ) to distinguish between billed consumption data and recorded usage data.
		• Added new PTD loop (PTD*PM) to transmit metered usage data for the Single Retailer model (required) or other models (optional).
		• Revised the BPT segment to include the BPT09 element. This element is sent in a 'Cancel' transaction to communicate the transaction reference number from the original 867 transaction that is being canceled.

		• Clarified use of the AMT*ZT (Backout Credit) segment.
March 17, 2004		**Version 2.1 Issued**
		• Added new measurement codes for electric service to the MEA07 element in the MEA segment in the PTD*BO and PTD*BQ loops.
		• Revised the use of the MEA*CF segment in PTD*PM loop from Conditional to Optional.
July 19, 2006		**Version 2.2 Issued**
		• Added a REF03 element to the REF*12 segment (Utility Account Number) to distinguish between metered and un-metered consumption on the same electric account. This element will only be used in Monthly Usage transactions initiated by Orange & Rockland Utilities.
		• A new code ('IN') is added to the BPT07 element in the BPT segment for use by NFG in differentiating between an 867MU transaction containing usage for a bill cycle and an 867MU transaction containing estimated consumption for a calendar month.
		• Line numbers and line references updated as necessary.
April 7, 2015		**Version 2.3 Issued**
		• Replaced references to Marketer and E/M with ESCO.
		• Utility specific notes are generalized, as appropriate, and designated for relocation to/reference within Utility Maintained EDI Guides, as necessary.
		• Comments updated to reflect past re-numbering of rows.
January 29, 2016		**Version 2.4 Issued**
		• Added new REF segment REF*BLT (Bill Option)
		• Updated line numbers as needed.

Row No	NY DD Field Name	Loop ID	Segment	Level	Position	Ref Desc	Name	Description	Code	Data Type	Response	Comments
1	Transaction Set Header	None	ST	HDR	010	01	Transaction Set Identifier Code	Indicates Type of transaction	867	ID(3/3)	Required	
2	Transaction Set Header	None	ST	HDR	010	02	Transaction Set Control Number	Number generated by senders system	ID#	AN(4/9)	Required	
3	Beginning Segment	None	BPT	HDR	020	01	Transaction Set Purpose Code	Purpose of transaction	00=original 01=Cancellation	ID(2/2)	Required	Code "00" is used to send original consumption for the account being reported for the period(s) indicated in the corresponding DTM segments. This code pertains to either the first instance of reported consumption for the indicated periods or recalculated consumption for the periods indicated. Code "01" is sent to notify the recipient that consumption previously reported for the periods indicated is being cancelled.
4	Beginning Segment	None	BPT	HDR	020	02	Reference Identification	Unique and permanent ID for this individual transaction	ID#	AN(1/30)	Required	
5	Beginning Segment	None	BPT	HDR	020	03	Date	Date transaction was created in sender's system	CCYYMMDD	DT(8/8)	Required	
6	Beginning Segment	None	BPT	HDR	020	04	Report Type Code	Indicates this transaction is being used to report consumption data.	DD	ID(2/2)	Required	
7	Beginning Segment	None	BPT	HDR	020	07	Action Code	Codes used to indicate that the consumption data being sent is final data for an account that is being, or has been closed, by the Utility that the transaction contains estimated usage for a calendar month period.	F=Final; IN=Calendar Month Estimate	ID(2/2)	Conditional	An Action Code is used to identify transactions for accounts that are, or will be, closed or transactions transmitted by a utility containing estimated consumption for a calendar month period. If stated in its Utility Maintained EDI Guide, a utility may use a Calendar Month Estimate 867 is the basis for charges communicated in an 810 EURC Calendar Month Estimate Invoice (refer to the Business Process Documents for Single Retailer or Utility Consolidated Billing for more information).
8	Beginning Segment	None	BPT	HDR	020	09	Reference Identification	The transaction reference number from the 867 transaction that is being canceled.	ID#	AN (1/30)	Conditional	When BPT01='01' (Cancellation) this element must be sent to communicate the transaction reference number from the 867 transaction previously sent that is now being canceled.

Row No	NY DD Field Name	Loop ID	Segment	Level	Position	Ref Desc	Name	Description	Code	Data Type	Response	Comments
9	DTM (Meter Read Date)	None	DTM	HDR	050	01	Date/Time Qualifier	Code indicating that DTM02 contains the next scheduled meter read date for the account in the form CCYYMMDD.	634	ID 3/3	Optional	
10	DTM (Meter Read Date)	None	DTM	HDR	050	02	Date		CCYYMMDD	DT(8/8)	Optional	
11	ESCO	NI Loop	N1	HDR	080	01	Entity Identifier Code	Code identifying the ESCO in this transaction	SJ	ID(2/3)	Required	
12	ESCO	NI Loop	N1	HDR	080	02	Name	literal name of the ESCO	free form text	AN(1/60)	Optional	
13	ESCO	NI Loop	N1	HDR	080	03	Identification Code Qualifier	Indicates type of ID number that will be sent in the N104 element of this segment	1=DUNS # 9=DUNS#+4 24=Federal Tax ID	ID(1/2)	Required	
14	ESCO	NI Loop	N1	HDR	080	04	Identification Code	ID number for ESCO	ID#	AN(2/80)	Required	
15	Utility	NI Loop	N1	HDR	080	01	Entity Identifier Code	Code identifying the utility in this transaction	8S	ID(2/3)	Required	
16	Utility	NI Loop	N1	HDR	080	02	Name	Literal name of the Utility in this transaction	free form text	AN(1/60)	Optional	
17	Utility	NI Loop	N1	HDR	080	03	Identification Code Qualifier	Indicates type of ID number that will be sent in the N104 element of this segment	1=DUNS # 9=DUNS#+4 24=Federal Tax ID	ID(1/2)	Required	
18	Utility	NI Loop	N1	HDR	080	04	Identification Code	ID number for Utility	ID#	AN(2/80)	Required	
19	Customer	NI Loop	N1	HDR	080	01	Entity Identifier Code	Code identifying the customer in this transaction	8R	ID(2/3)	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.
20	Customer	NI Loop	N1	HDR	080	02	Name	Name of the customer targeted by this transaction	Text or the literal "NAME"	AN(1/60)	Required	The sender may populate the N102 element with "NAME" or the customer's actual name may be provided by mutual agreement.

Row No	NY DD Field Name	Loop ID	Segment	Level	Position	Ref Desc	Name	Description	Code	Data Type	Response	Comments
21	Address Information	N1 Loop	N3	HDR	100	01	Name	Street Address associated with the account for which consumption usage data has been reported.		AN(1/55)	Optional	Service address data may be provided in this transaction at the discretion of the Utility,
22	Address Information	N1 Loop	N3	HDR	100	02	Name	Address Overflow		AN(1/55)	Conditional	An N302 element is only used when the street address information exceeds 55 characters.
23	Geographic Location	N1 Loop	N4	HDR	110	01	City Name	City associated with the account being reported.		AN(2/30)	Conditional	See Comment on N1 Loop (N101=8R). When service address information is being sent, an N4 segment is sent. Please refer to the element notes in the N4 segment of the TS814 Change Implementation Guide for more detailed information regarding how each utility will send service address information.
24	Geographic Location	N1 Loop	N4	HDR	110	02	State or Province Code	State or Province associated with the account being reported.		ID(2/2)	Conditional	See Comment on N1 Loop (N101=8R). When service address information is being sent, If stated in the Utility Maintained EDI Guide, the utility will populate this element. These utilities will not sent province codes in this element, and other utilities will not send this element at all.
25	Geographic Location	N1 Loop	N4	HDR	110	03	Postal Code	Postal Code associated with the account being reported.		ID(3/15)	Conditional	See Comment on N1 Loop (N101=8R). Most utilities will populate this element only with US zip code data.
26	Reference Identification (Utility Account Number)	NI Loop	REF	HDR	120	01	Reference Identification Qualifier	Code indicating that the REF02 element contains the Utility assigned account number for the customer	12	ID(2/3)	Required	The customer's utility number is used for validation and must be present in all transactions.
27	Reference Identification (Utility Account Number)	NI Loop	REF	HDR	120	02	Reference Identification	Utility assigned customer account number	Account #	AN(1/30)	Required	When a REF*12 is sent, this element is required.
28	Reference Identification (Utility Account Number)	NI Loop	REF	HDR	120	03	Description	Un-metered service designator (electric accounts only)	U	AN(1/80)	Conditional	If specified in its Utility Maintained EDI Guide, this element will only be present in transactions sent by, or to, the utility when the account enrolled is for the un-metered service on an electric account that includes both metered and un-metered service.

Row No	NY DD Field Name	Loop ID	Segment	Level	Position	Ref Desc	Name	Description	Code	Data Type	Response	Comments
29	Reference Identification (ESCO Customer Account Number)	NI Loop	REF	HDR	120	01	Reference Identification Qualifier	Code indicating that REF02 contains the ESCO assigned customer account number	11	ID(2/3)	Optional	Sent by mutual agreement of the trading partners.
30	Reference Identification (ESCO Customer Account Number)	NI Loop	REF	HDR	120	02	Reference Identification	ESCO Marketer assigned account number for the customer.	Account #	AN(1/30)	Required	See Comment on REF*11 position 01. When a REF*11 segment is being sent, this element is required.
31	Reference Identification (Previous Utility Account Number)	N1 Loop	REF	HDR	120	01	Reference Identification Qualifier	Code indicating that REF02 is the Utility's previous account number for the customer	45	ID(2/3)	Conditional	If the Utility account number for the customer has changed within the last 90 days, this segment must be sent.
32	Reference Identification (Previous Utility Account Number)	N1 Loop	REF	HDR	120	02	Reference Identification	The customer's previous Utility account number.	Account #	AN(1/30)	Required	See Comment on REF*45 position 01. When a REF*45 segment is sent, this element is required.
33	Reference Identification (Bill Option)	NI Loop	REF	HDR	120	01	Reference Identification Qualifier	Code indicating that REF02 contains the Bill Option	BLT	ID(2/3)	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.
34	Reference Identification (Bill Option)	NI Loop	REF	HDR	120	02	Reference Identification	Bill Option. Indicates party presenting the bill.	Dual – Each Party presents a separate bill ESP – ESCO is the Consolidated Bill Presenter LDC – Utility is the Consolidated Bill Presenter	AN(1/30)	Required	When a REF*BLT is sent, this element is required.

Row No	NY DD Field Name	Loop ID	Segment	Level	Position	Ref Desc	Name	Description	Code	Data Type	Response	Comments
35	Product Transfer and Resale Detail (Metered Consumption Summary)	PTD Loop	PTD	DTL	010	01	Product Transfer Type Code	Code indicating that this PTD loop contains summarized metered consumption data for all metered service delivery points on the account being reported.	BO	ID 2/2	Conditional	Beginning of 1ST PTD Loop - At least one PTD loop must be sent in each 867MU transaction. This PTD loop must be sent if metered consumption for more than one service delivery point is being summarized and the consumption being reported is associated with the same rate class and sub class (if applicable). Separate QTY segments must be sent for each recorded period (e.g. on-peak, off peak, etc). This loop should not contain unmetered consumption (see loop beginning where PTD01=BC).
36	Product Transfer and Resale Detail (Metered Consumption Summary)	PTD Loop	PTD	DTL	010	04	Reference Identification Qualifier	Indicates that PTD05 identifies the commodity reported in this loop.	OZ	ID 2/3	Required	This element is required for all PTD loops.

Row No	NY DD Field Name	Loop ID	Segment	Level	Position	Ref Desc	Name	Description	Code	Data Type	Response	Comments
37	Product Transfer and Resale Detail (Metered Consumption Summary)	PTD Loop	PTD	DTL	010	05	Reference Identification	Code indicating commodity type	EL or GAS	AN(1/30)	Required	This element is required for all PTD loops.
38	Reference Identification (Rate Class)	PTD Loop	REF	DTL	030	01	Reference Identification Qualifier	Code indicating that REF02 contains the Utility specific rate code that references the service class and rates applicable to the service delivery points summarized in this PTD loop.	NH	ID(2/3)	Required	This element is required for all PTD loops.
39	Reference Identification (Rate Class)	PTD Loop	REF	DTL	030	02	Reference Identification	Utility rate code as found in the tariff.	Rate Code	AN(1/30)	Required	This element is required for all PTD loops.
40	Reference Identification (Rate Sub Class)	PTD Loop	REF	DTL	130	01	Reference Identification Qualifier	Code indicating that REF02 contains the utility rate subclass associated with the metered consumption data contained in this PTD loop for the account being reported.	PR	ID(2/3)	Conditional	Use when further clarification of a rate is provided.
41	Reference Identification (Rate Sub Class)	PTD Loop	REF	DTL	130	02	Reference Identification	Code indicating the sub class associated with the REF NH segment for the metered consumption data in this PTD loop for the account and commodity being reported.		AN(1/30)	Required	See comment on REF*PR position 01. When a REF*PR segment is sent, this element is required.
42	Quantity	QTY Loop	QTY	DTL	110	01	Quantity Qualifier	Code indicating that QTY02 contains the number of metered service points associated with the summary metered data in this PTD loop for the account and commodity being reported.	FL	ID(2/2)	Required	

Row No	NY DD Field Name	Loop ID	Segment	Level	Position	Ref Desc	Name	Description	Code	Data Type	Response	Comments
43	Quantity	QTY Loop	QTY	DTL	110	02	Quantity	Indicate the number of service points associated with the metered consumption data in this PTD loop for each period being reported.	Real Number	R(1/15)	Required	Data elements whose X12 attribute type is 'R' are treated as real numbers. Real numbers are assumed to be positive numbers and a minus (-) sign must precede the amount when a negative number is being sent. Real numbers do NOT provide for an implied decimal position; therefore a decimal point must be sent when decimal precision is required. Note that in transmitting real numbers it is acceptable, but not necessary, to transmit digits that have no significance i.e. leading or trailing zeros.
44	Monetary Amount (Back Out Credit)	QTY Loop	AMT	DTL	140	01	Amount Qualifier Code	Code indicating that AMT02 is the back out credit for the delivered quantity reported in this PTD loop expressed as dollars and cents.	ZT	ID(1/3)	Conditional	If stated in the 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.
45	Monetary Amount (Back Out Credit)	QTY Loop	AMT	DTL	140	02	Monetary Amount	Amount to be "backed out" of the bundled utility charges for the commodity being supplied by the ESCO.	.00 or -6.45	R(1/18)	Required	See Comments on QTY*ZT positions 01 and 02. This element is a real number; the backout credit will always be zero or a negative number. When an AMT*ZT segment is sent, this element is required.
46	Measurements	QTY Loop	MEA	DTL	160	01	Measurement Reference ID Code	Code indicating whether the data in this PTD loop is actual, estimated or billed consumption data.	AN=Actual BR=Billed EN=Estimated	ID(2/2)	Required	
47	Measurements	QTY Loop	MEA	DTL	160	02	Measurement Qualifier	Code indicating the data in this segment is consumption.	PRQ	ID(1/3)	Required	
48	Measurements	QTY Loop	MEA	DTL	160	03	Measurement Value	Quantity of consumption for the type indicated in MEA04 for the period indicated in MEA07 for this PTD loop for the account and commodity being reported.		R(1/20)	Required	

Row No	NY DD Field Name	Loop ID	Segment	Level	Position	Ref Desc	Name	Description	Code	Data Type	Response	Comments
49	Measurements	QTY Loop	MEA	DTL	160	04	Unit or Basis for Measurement Code	Codes to be used to indicate the type of measurement associated with the quantity indicated in MEA03.	HH,K1,K2,K3 ,K4, K5,K7,KH,TD , TZ	ID(2/2)	Required	
50	Measurements	QTY Loop	MEA	DTL	160	07	Measurement Significance Code	Codes indicating the period (in a day) when the quantity indicated in MEA03 was consumed.	41, 42, 43, 45, 49,50, 51, 57, 58,73,74,75, 84,85,86,87, 88,89,90,91, 92,93,94	ID(2/2)	Conditional	When PTD05=GAS, this element is not used. Refer to the 867MU implementation guide for code definitions.
51	Date/Time Reference (Period Start Date)	QTY Loop	DTM	DTL	210	01	Date/Time Qualifier	Code indicating that DTM02 contains the beginning date for the period represented by the consumption usage summary provided in this PTD loop.	150	ID(3/3)	Required	
52	Date/Time Reference (Period Start Date)	QTY Loop	DTM	DTL	210	02	Date		CCYYMMDD	DT(8/8)	Required	
53	Date/Time Reference (Period End Date)	QTY Loop	DTM	DTL	210	01	Date/Time Qualifier	Code indicating that DTM02 contains the end date for the consumption period being reported in this PTD loop.	151	ID(3/3)	Required	
54	Date/Time Reference (Period End Date)	QTY Loop	DTM	DTL	210	02	Date		CCYYMMDD	DT(8/8)	Required	
55	Product Transfer and Resale Detail (Un-metered Consumption)	PTD Loop	PTD	DTL	010	01	Product Transfer Type Code	Code indicating that this PTD loop contains consumption usage data that is unmetered usage.	BC	ID(2/2)	Conditional	Beginning of 2ND PTD Loop - If un-metered consumption is being sent, it must be sent in this PTD loop. More than one PTD loop for un-metered consumption may be needed if there is more than one rate class (or sub class) associated with un-metered usage. All usage with the same rate class should be summarized in the same PTD loop.
56	Product Transfer and Resale Detail (Unmetered Consumption)	PTD Loop	PTD	DTL	010	04	Reference Identification Qualifier	Indicates that PTD05 identifies the commodity reported in this loop.	OZ	ID(2/3)	Required	

Row No	NY DD Field Name	Loop ID	Segment	Level	Position	Ref Desc	Name	Description	Code	Data Type	Response	Comments
57	Reference Identification (Rate Class)	PTD Loop	REF	DTL	030	01	Reference Identification Qualifier	Code indicating that REF02 contains the Utility service class associated with the unmetered consumption data contained in this PTD loop for the account being reported.	NH	ID(2/3)	Required	
58	Reference Identification (Rate Class)	PTD Loop	REF	DTL	030	02	Reference Identification	Utility rate code as found in the tariff associated with the unmetered consumption usage contained in this PTD loop.		AN(1/30)	Required	
59	Reference Identification (Rate Sub Class)	PTD Loop	REF	DTL	030	01	Reference Identification Qualifier	Code indicating that REF02 contains the utility rate subclass associated with the unmetered consumption data contained in this PTD loop for the account being reported.	PR	ID(2/3)	Conditional	Used when further clarification of a rate is provided.
60	Reference Identification (Rate Sub Class)	PTD Loop	REF	DTL	030	02	Reference Identification	Code indicating the sub class associated with the REF NH segment for the unmetered consumption data in this PTD loop for the account and commodity being reported.		AN(1/30)	Required	See comment on REF*PR position 01. When a REF*PR segment is sent, this element is required.
61	Quantity	QTY Loop	QTY	DTL	110	01	Quantity Qualifier	Code indicating the number of unmetered service points contained in this PTD loop for unmetered consumption usage for the account, rate class and commodity being reported.	FL	ID(2/2)	Required	
62	Quantity	QTY Loop	QTY	DTL	110	02	Quantity	Indicate the number of service points associated with the unmetered consumption data in this PTD loop for each period being reported.	#	R(1/15)	Required	

Row No	NY DD Field Name	Loop ID	Segment	Level	Position	Ref Desc	Name	Description	Code	Data Type	Response	Comments
63	Monetary Amount (Back Out Credit)	QTY Loop	AMT	DTL	140	01	Amount Qualifier Code	Code indicating that AMT02 is the back out credit for the delivered quantity reported in this PTD loop expressed as dollars and cents.	ZT	ID(1/3)	Conditional	If stated in the 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.
64	Monetary Amount (Back Out Credit)	QTY Loop	AMT	DTL	140	02	Monetary Amount	Amount to be "backed out" of the bundled utility charges for the commodity being supplied by the ESCO.	.00 or -6.45	R(1/18)	Required	See Comments on QTY*ZT positions 01 and 02. This element is a real number; the backout credit will always be zero or a negative number. When an AMT*ZT segment is sent, this element is required.
65	Reference Identification (Rate Class)	PTD Loop	REF	DTL	030	01	Reference Identification Qualifier	Code indicating that REF02 contains the Utility service class associated with the unmetered consumption data contained in this PTD loop for the account being reported.	NH	ID(2/3)	Required	
66	Measurements	QTY Loop	MEA	DTL	160	01	Measurement Reference ID Code	Code indicating whether the consumption in this PTD loop is actual, estimated or billed consumption.	BR=Billed EN=Estimated AN=Actual	ID(2/2)	Required	This measurement reference code varies by Utility if unmetered consumption is being reported by meter.
67	Measurements	QTY Loop	MEA	DTL	160	02	Measurement Qualifier	Code indicating the data in this segment is consumption.	PRQ	ID(1/3)	Required	
68	Measurements	QTY Loop	MEA	DTL	160	03	Measurement Value	Quantity of consumption for the type indicated in MEA04 for the period indicated in MEA07 for this PTD loop for the account and commodity being reported.		R(1/20)	Required	
69	Measurements	QTY Loop	MEA	DTL	160	04	Unit or Basis for Measurement Code	Codes to be used to indicate the type of measurement associated with the quantity indicated in MEA03.	HH,K1,K2,K3,K4, K5,K7,KH,TD,TZ	ID(2/2)	Required	

Row No	NY DD Field Name	Loop ID	Segment	Level	Position	Ref Desc	Name	Description	Code	Data Type	Response	Comments
70	Date/Time Reference (Period Start Date)	QTY Loop	DTM	DTL	210	01	Date/Time Qualifier	Code indicating that DTM02 contains the start date for the consumption period being reported in this PTD loop.	150	ID(3/3)	Required	
71	Date/Time Reference (Period Start Date)	QTY Loop	DTM	DTL	210	02	Date		CCYYMMDD	DT(8/8)	Required	
72	Date/Time Reference (Period End Date)	QTY Loop	DTM	DTL	210	01	Date/Time Qualifier	Code indicating that DTM02 contains the end date for the consumption period being reported in this PTD loop.	151	ID(3/3)	Required	
73	Date/Time Reference (Period End Date)	QTY Loop	DTM	DTL	210	02	Date		CCYYMMDD	DT(8/8)	Required	
74	Product Transfer and Resale Detail (Metered Consumption Detail)	PTD Loop	PTD	DTL	010	01	Product Transfer Type Code	Code indicating that this PTD loop contains consumption data by each individual metered service point on the account for the commodity being reported.	BQ	ID(2/2)	Conditional	Beginning of 3RD PTD Loop - This PTD loop must be sent if metered consumption data is being reported by meter.
75	Product Transfer and Resale Detail (Metered Consumption Detail)	PTD Loop	PTD	DTL	010	04	Reference Identification Qualifier	Indicates that PTD05 identifies the commodity reported in this loop.	OZ	ID(2/3)	Required	
76	Product Transfer and Resale Detail (Metered Consumption Detail)	PTD Loop	PTD	DTL	010	05	Reference Identification	Code indicating commodity type	EL or GAS	AN(1/30)	Required	
77	Reference Identification (Meter Number)	PTD Loop	REF	DTL	030	01	Reference Identification Qualifier	Code indicating that REF02 contains the Utility assigned meter number for the service end point being reported in this PTD loop.	MG	ID(2/3)	Required	
78	Reference Identification (Meter Number)	PTD Loop	REF	DTL	030	02	Reference Identification	Utility assigned meter number	Meter #	AN(1/30)	Required	

Row No	NY DD Field Name	Loop ID	Segment	Level	Position	Ref Desc	Name	Description	Code	Data Type	Response	Comments
79	Reference Identification (Rate Class)	PTD Loop	REF	DTL	030	01	Reference Identification Qualifier	Code indicating that REF02 contains the Utility service class associated with the metered consumption data contained in this PTD loop for the account being reported.	NH	ID(2/3)	Required	
80	Reference Identification (Rate Class)	PTD Loop	REF	DTL	030	02	Reference Identification	Utility rate code as found in the tariff associated with the metered consumption data contained in this PTD loop.		AN(1/30)	Required	
81	Reference Identification (Rate Sub Class)	PTD Loop	REF	DTL	030	01	Reference Identification Qualifier	Code indicating that REF02 contains the utility rate subclass associated with the metered consumption data contained in this PTD loop for the account being reported.	PR	ID(2/3)	Conditional	Used when further clarification of a rate is provided.
82	Reference Identification (Rate Sub Class)	PTD Loop	REF	DTL	030	02	Reference Identification	Code indicating the sub class associated with the REF NH segment for the metered consumption data in this PTD loop for the account and commodity being reported.		AN(1/30)	Required	See comment on REF*PR position 01. When a REF*PR segment is sent, this element is required.
83	Quantity (Usage)	QTY Loop	QTY	DTL	110	01	Quantity Qualifier	Code indicating that QTY02 contains the number of metered service points associated with the consumption sent in this PTD loop for the account and commodity being reported.	FL	ID(2/2)	Required	
84	Quantity (Usage)	QTY Loop	QTY	DTL	110	02	Quantity	Indicates the number of service points associated with the consumption data in this PTD loop for each period being reported.	1	R(1/15)	Required	For this PTD loop (PTD01=BQ) QTY02 must always equal "1".

Row No	NY DD Field Name	Loop ID	Segment	Level	Position	Ref Desc	Name	Description	Code	Data Type	Response	Comments
85	Monetary Amount (Back Out Credit)	QTY Loop	AMT	DTL	140	01	Amount Qualifier Code	Code indicating that AMT02 is the back out credit for the delivered quantity reported in this PTD loop expressed as dollars and cents.	ZT	ID(1/3)	Conditional	If stated in the 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.
86	Monetary Amount (Back Out Credit)	QTY Loop	AMT	DTL	140	02	Monetary Amount	Amount to be "backed out" of the bundled utility charges for the commodity being supplied by the ESCO.	.00 or -6.45	R(1/18)	Required.	See Comments on QTY*ZT positions 01 and 02. This element is a real number; the backout credit will always be zero or a negative number. When an AMT*ZT segment is sent, this element is required.
87	Measurements	QTY Loop	MEA	DTL	160	01	Measurement Reference ID Code	Code indicating whether the consumption in this PTD loop is actual, estimated or billed consumption.	AN=Actual BR=Billed EN=Estimated	ID(2/2)	Required	
88	Measurements	QTY Loop	MEA	DTL	160	02	Measurement Qualifier	Code indicating the data in this segment is consumption.	PRQ	ID(1/3)	Required	
89	Measurements	QTY Loop	MEA	DTL	160	03	Measurement Value	Quantity of consumption for the type indicated in MEA04 for the period indicated in MEA07 for this PTD loop for the account and commodity being reported.		R(1/20)	Required	
90	Measurements	QTY Loop	MEA	DTL	160	04	Unit or Basis for Measurement Code	Use these codes to describe the measurement units associated with the quantity sent in MEA03.	HH, K1, K2, K3, K4, K5, K7, KH, TD, TZ	ID(2/2)	Required	
91	Measurements	QTY Loop	MEA	DTL	160	07	Measurement Significance Code	Codes indicating the period (in a day) when the quantity indicated in MEA03 for the type specified in C0101 was consumed	41, 42, 43, 45, 49,50, 51, 57, 58,73,74,75, 84,85,86,87, 88,89,90,91, 92,93,94	ID(2/2)	Conditional	When PTD05=GAS, this element is not used. Refer to the 867MU implementation guide for code definitions.
92	Date/Time Reference (Period Start Date)	QTY Loop	DTM	DTL	210	01	Date/Time Qualifier	Code indicating that DTM02 contains the start date for the consumption period being reported in this PTD loop.	150	ID(3/3)	Required	

Row No	NY DD Field Name	Loop ID	Segment	Level	Position	Ref Desc	Name	Description	Code	Data Type	Response	Comments
93	Date/Time Reference (Period Start Date)	QTY Loop	DTM	DTL	210	02	Date		CCYYMMDD	DT(8/8)	Required	
94	Date/Time Reference (Period End Date)	QTY Loop	DTM	DTL	210	01	Date/Time Qualifier	Code indicating that DTM02 contains the end date for the consumption period being reported in this PTD loop.	151	ID(3/3)	Required	
95	Date/Time Reference (Period End Date)	QTY Loop	DTM	DTL	210	02	Date		CCYYMMDD	DT(8/8)	Required	
96	Product Transfer and Resale Detail (Interim Bill Notice)	PTD Loop	PTD	DTL	010	01	Product Transfer Type Code	Code indicating that this PTD loop is being sent to notify the ESCO that the Utility intends to issue an interim bill to the customer.	BK	ID(2/2)	Conditional	Beginning of 4TH PTD Loop - This PTD loop is only applicable to the Utility Bill Ready bill option. This loop is sent by the Utility to notify an ESCO that the Utility intends to bill the customer even though no usage information, either actual or estimated, is available to be reported. When this loop is present it must be the only PTD loop in the transaction.
97	Product Transfer and Resale Detail (Interim Bill Notice)	PTD Loop	PTD	DTL	010	04	Reference Identification Qualifier	Indicates that PTD05 identifies the commodity reported in this loop.	OZ	ID(2/3)	Required	
98	Product Transfer and Resale Detail (Interim Bill Notice)	PTD Loop	PTD	DTL	010	05	Reference Identification	Code indicating commodity type	EL or GAS	AN(1/30)	Required	
99	Product Transfer and Resale Detail (Metered Usage Detail)	PTD Loop	PTD	DTL	010	01	Product Transfer Type Code	Code indicating that this PTD loop contains metered usage data by each individual metered service point on the account for the commodity being reported.	PM	ID(2/2)	Conditional	Beginning of 5TH PTD Loop - This PTD loop is used to report metered usage data by meter. Unless beginning and ending 'reads' are being used to describe unmetered consumption, that data should not be sent in this loop but in PTD*BC.
100	Product Transfer and Resale Detail (Metered Usage Detail)	PTD Loop	PTD	DTL	010	04	Reference Identification Qualifier	Indicates that PTD05 identifies the commodity reported in this loop.	OZ	ID(2/3)	Required	

Row No	NY DD Field Name	Loop ID	Segment	Level	Position	Ref Desc	Name	Description	Code	Data Type	Response	Comments
101	Product Transfer and Resale Detail (Metered Usage Detail)	PTD Loop	PTD	DTL	010	05	Reference Identification	Code indicating commodity type	EL or GAS	AN(1/30)	Required	
102	Reference Identification (Meter Number)	PTD Loop	REF	DTL	030	01	Reference Identification Qualifier	Code indicating that REF02 contains the Utility assigned meter number for the service end point being reported in this PTD loop.	MG	ID(2/3)	Conditional	A meter number OR a service point id number must be provided for each measurement point being reported in this PTD loop.
103	Reference Identification (Meter Number)	PTD Loop	REF	DTL	030	02	Reference Identification	Utility assigned meter number	Meter #	AN(1/30)	Required	When REF*MG is sent, the 02 element is required.
104	Reference Identification(Service Point ID)	PTD Loop	REF	DTL	030	01	Reference Identification Qualifier	Code indicating that REF02 contains a Utility assigned Service Point ID for the end point being reported in this PTD loop.	LU	ID(2/3)	Conditional	A meter number OR a service point id number must be provided for each measurement point being reported in this PTD loop.
105	Reference Identification(Service Point ID)	PTD Loop	REF	DTL	030	02	Reference Identification	Utility assigned service point ID.	Service Point ID	AN(1/30)	Required	When REF*LU is sent, the 02 element is required.
106	Reference Identification (Number of Dials)	PTD Loop	REF	DTL	030	01	Reference Identification Qualifier	Code indicating that REF02 contains the number of dials on the meter for which recorded usage is being reported in this PTD loop.	IX	ID(2/3)	Conditional	This segment is required when the measurement device has dials.
107	Reference Identification (Number of Dials)	PTD Loop	REF	DTL	030	02	Reference Identification	Number of dials in the format x.y where 'x' is the number of dials to the right and 'y' is the number of dials to the left.	x.y	AN(1/30)	Required	When a REF*IX is being sent, this element is required.
108	Reference Identification (Rate Class)	PTD Loop	REF	DTL	030	01	Reference Identification Qualifier	Code indicating that REF02 contains the Utility service class associated with the metered usage data contained in this PTD loop for the account being reported.	NH	ID(2/3)	Required	The rate class associated with the meter or service end point being reported is required.

Row No	NY DD Field Name	Loop ID	Segment	Level	Position	Ref Desc	Name	Description	Code	Data Type	Response	Comments
197	Reference Identification (Rate Class)	PTD Loop	REF	DTL	030	02	Reference Identification	Utility rate code as found in the tariff associated with the metered usage data contained in this PTD loop.		AN(1/30)	Required	When a REF*NH segment is sent, this element is required.
110	Reference Identification (Rate Sub Class)	PTD Loop	REF	DTL	030	01	Reference Identification Qualifier	Code indicating that REF02 contains the utility rate subclass associated with the metered usage data contained in this PTD loop for the account being reported.	PR	ID(2/3)	Conditional	Used when further clarification of a rate is provided.
111	Reference Identification (Rate Sub Class)	PTD Loop	REF	DTL	030	02	Reference Identification	Code indicating the sub class associated with the REF NH segment for the metered usage data in this PTD loop for the account and commodity being reported.		AN(1/30)	Required	When a REF*PR segment is sent, this element is required.
112	Quantity (Usage)	QTY Loop	QTY	DTL	110	01	Quantity Qualifier	Code indicating that QTY02 contains the number of metered service points associated with the usage sent in this PTD loop for the account and commodity being reported.	FL	ID(2/2)	Required	This segment is required to comply with X12 requirements.
113	Quantity (Usage)	QTY Loop	QTY	DTL	110	02	Quantity	Indicates the number of service points associated with the usage data in this PTD loop for each period being reported.	1	R(1/15)	Required	For this PTD loop (PTD01=PM) QTY02 must always equal "1".
114	Monetary Amount (Back Out Credit)	QTY Loop	AMT	DTL	140	01	Amount Qualifier Code	Code indicating that AMT02 is the back out credit for the delivered quantity reported in this PTD loop expressed as dollars and cents.	ZT	ID(1/3)	Conditional	If stated in the 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.

Row No	NY DD Field Name	Loop ID	Segment	Level	Position	Ref Desc	Name	Description	Code	Data Type	Response	Comments
115	Monetary Amount (Back Out Credit)	QTY Loop	AMT	DTL	140	02	Monetary Amount	Amount to be "backed out" of the bundled utility charges for the commodity being supplied by the ESCO.	.00 or -6.45	R(1/18)	Required.	See Comments on QTY*ZT positions 01 and 02. This element is a real number; the backout credit will always be zero or a negative number. When an AMT*ZT segment is sent, this element is required.
116	Measurements (Usage)	QTY Loop	MEA	DTL	160	01	Measurement Reference ID Code	Code indicating whether the consumption in this PTD loop is actual, estimated or billed consumption.	AA, AE, EA, EE See IG for code definitions	ID(2/2)	Required	When a PTD*PM loop is being sent, an MEA segment is required. This element indicates the character of the beginning and ending meter reads being provided in MEA05 and MEA06.
117	Measurements (Usage)	QTY Loop	MEA	DTL	160	02	Measurement Qualifier	Code indicating the data in this segment is usage.	PRQ	ID(1/3)	Required	
118		QTY Loop	MEA	DTL	160	03	Measurement Value	Quantity of recorded usage for the type indicated in MEA04 for the period indicated in MEA07 for this PTD loop for the account and commodity being reported.		R(1/20)	Required	Data elements whose X12 attribute type is 'R' are treated as real numbers. Real numbers are assumed to be positive numbers and a minus (-) sign must precede the amount when a negative number is being sent. Real numbers do NOT provide for an implied decimal position; therefore a decimal point must be sent when decimal precision is required. Note that in transmitting real numbers it is acceptable, but not necessary, to transmit digits that have no significance i.e. leading or trailing zeros.
119	Measurements (Usage)	QTY Loop	MEA	DTL	160	04	Unit or Basis for Measurement Code	Use these codes to describe the measurement units associated with the quantity sent in MEA03.	HH, K1, K2, K3, K4, K5, K7, KH, TD, TZ	ID(2/2)	Required	
120	Measurements (Usage)	QTY Loop	MEA	DTL	160	05	Range Minimum	Beginning meter reading	Real Number	R (1/20)	Required	See Comment on MEA03 regarding Real Numbers in X12.
121	Measurements (Usage)	QTY Loop	MEA	DTL	160	06	Range Maximum	Ending meter reading	Real Number	R (1/20)	Required	See Comment on MEA03 regarding Real Numbers in X12.
122	Measurements (Usage)	QTY Loop	MEA	DTL	160	07	Measurement Significance Code	Codes indicating the period (in a day) when the quantity indicated in MEA03 for the type specified in C0101 was consumed	41=Off Peak 42=On Peak 43=Intermediate 51=Total	ID(2/2)	Conditional	When PTD05=GAS, this element is not used.

Row No	NY DD Field Name	Loop ID	Segment	Level	Position	Ref Desc	Name	Description	Code	Data Type	Response	Comments
123	Measurements (Meter Multiplier)	QTY Loop	MEA	DTL	160	02	Measurement Qualifier	Code indicating that MEA03 contains a meter multiplier for the meter or service point indicated in REF*MG or REF*LU.	MU	ID(1/3)	Required	The segment must be sent in the PTD*PM loop. If there is no meter multiplier associated with a particular meter or service end point MEA02 should contain '1'.
124	Measurements (Meter Multiplier)	QTY Loop	MEA	DTL	160	03	Measurement Value	Meter multiplier	1 or x.y	R (1/20)	Required	This element is a real number.
125	Measurements (Metered Base Load)	QTY Loop	MEA	DTL	160	02	Measurement Qualifier	Code indicating that MEA03 and 04 contains information on the minimum amount of gas used in a monthly period.	B1	ID(1/3)	Conditional	GAS SERVICE ONLY. This segment will be sent if stated in the Utility Maintained EDI Guide t by gas utilities, to report the average minimum quantity of gas consumed associated with the meter indicated in the REF*MG segment.
126	Measurements (Metered Base Load)	QTY Loop	MEA	DTL	160	03	Measurement Value	Quantity expressed as ccf	Real Number	R (1/20)	Required	When MEA*B1 is being sent this element is required. See Comment on previous MEA03 regarding Real Numbers in X12.
127	Measurements (Metered Base Load)	QTY Loop	MEA	DTL	160	04	Unit or Basis for Measurement Code	Code indicating the type of commodity being reported in this MEA segment.	HH	ID (2/2)	Required	When MEA*B1 is being sent this element is required.
128	Measurements (Therm Factor)	QTY Loop	MEA	DTL	160	02	Measurement Qualifier	Code indicating that the number provided in MEA03 is a factor that should be used to convert usage measured in ccf to therms.	CF	ID(1/3)	Optional	GAS SERVICE ONLY. This segment may be sent to provide the factor used to convert usage measured in ccf to therms.
129	Measurements (Therm Factor)	QTY Loop	MEA	DTL	160	03	Measurement Value	Therm Factor	Real Number	R (1/20)	Required	If MEA*CF is sent this element is also required. See Comment on previous MEA03 regarding Real Numbers in X12.
130	Measurements (Degree Day Factor)	QTY Loop	MEA	DTL	160	02	Measurement Qualifier	Code indicating that the number provided in MEA03 is the number of ccf of gas consumed in a day for each degree that the average daily temperature is below 65 degrees Fahrenheit.	TPF	ID(1/3)	Conditional	GAS SERVICE ONLY. If stated in the Utility Maintained EDI Guide, this segment will be sent by the utility to provide the amount of gas (in ccf) that a will be used for this meter location for each heating degree day.
131	Measurements (Degree Day Factor)	QTY Loop	MEA	DTL	160	03	Measurement Value	Degree day factor in ccf	Real Number	R (1/20)	Required	If MEA*TPF is sent, this element is required. See Comment on previous MEA03 regarding Real Numbers in X12.

Row No	NY DD Field Name	Loop ID	Segment	Level	Position	Ref Desc	Name	Description	Code	Data Type	Response	Comments
132	Measurements (Transformer Loss Adjustment Factor)	QTY Loop	MEA	DTL	160	02	Measurement Qualifier	Code indicating that the number provided in MEA03 is a factor that can be used to calculate the effect of transformer losses on the quantity of energy recorded.	CO	ID(1/3)	Conditional	ELECTRIC SERVICE ONLY. This segment is sent to provide the transformer loss adjustment factor that should be used to calculate transformer losses when those losses are not recorded by the meter.
133	Measurements (Transformer Loss Adjustment Factor)	QTY Loop	MEA	DTL	160	03	Measurement Value	Transformer Loss Adjustment Factor	Real Number	R (1/20)	Required	If MEA*CO is sent, this element is required. See Comment on previous MEA03 regarding Real Numbers in X12.
134	Date/Time Reference (Period Start Date)	QTY Loop	DTM	DTL	210	01	Date/Time Qualifier	Code indicating that DTM02 contains the start date for the usage period being reported in this PTD loop.	150	ID(3/3)	Required	
135	Date/Time Reference (Period Start Date)	QTY Loop	DTM	DTL	210	02	Date		CCYYMMDD	DT(8/8)	Required	
136	Date/Time Reference (Period End Date)	QTY Loop	DTM	DTL	210	01	Date/Time Qualifier	Code indicating that DTM02 contains the end date for the usage period being reported in this PTD loop.	151	ID(3/3)	Required	
137	Date/Time Reference (Period End Date)	QTY Loop	DTM	DTL	210	02	Date		CCYYMMDD	DT(8/8)	Required	
138	Transaction Set Trailer	None	SE	DTL	180	01	Number of Included Segments	Number of segments in this transaction.	#	NO(1/10)	Required	
139	Transaction Set Trailer	None	SE	DTL	180	02	Transaction Set Control Number		ST02	AN(4/9)	Required	See ST02.