

Electronic Data Exchange Standards for Energy Deregulation in New York

Monthly Interval Usage

EDI 867 Data Dictionary

October 31, 2017
Version 1.1

	Summary of Changes
March 31, 2017	Initial Release
October 31, 2017	Version 1.1
	<ul style="list-style-type: none">• Inclusion of changes to address errata since filing of Version 1.0 including re-ordering of segments and corresponding changes to Table of Contents.

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.	C1=Interval Data Transaction DR=Combo of Interval, Monthly and/or Unmetered Data	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.	F=Final	ID(2/2)	Conditional	An Action Code is used to identify transactions for accounts that are, or will be, closed.
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.
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	

Row No	NY DD Field Name	Loop ID	Segment	Level	Position	Ref Desc	Name	Description	Code	Data Type	Response	Comments
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 send 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 (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.
27	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.
28	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.

Row No	NY DD Field Name	Loop ID	Segment	Level	Position	Ref Desc	Name	Description	Code	Data Type	Response	Comments
29	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.
30	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.
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.
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.

Row No	NY DD Field Name	Loop ID	Segment	Level	Position	Ref Desc	Name	Description	Code	Data Type	Response	Comments
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	
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.

Row No	NY DD Field Name	Loop ID	Segment	Level	Position	Ref Desc	Name	Description	Code	Data Type	Response	Comments
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	
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	

Row No	NY DD Field Name	Loop ID	Segment	Level	Position	Ref Desc	Name	Description	Code	Data Type	Response	Comments
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	
57	Product Transfer and Resale Detail (Unmetered Consumption)	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.
58	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	
59	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	
60	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.

Row No	NY DD Field Name	Loop ID	Segment	Level	Position	Ref Desc	Name	Description	Code	Data Type	Response	Comments
61	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.
62	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	
63	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	
64	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.
65	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.
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	

Row No	NY DD Field Name	Loop ID	Segment	Level	Position	Ref Desc	Name	Description	Code	Data Type	Response	Comments
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	
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 history data by individual metered service point for the account and commodity requested.	BQ	ID 2/2	Conditional	The PTD*BQ loop is used to report metered consumption data for the account and commodity specified in the request for an individual metered service point. When data is recorded by individual meter, this PTD loop should be sent.
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	

Row No	NY DD Field Name	Loop ID	Segment	Level	Position	Ref Desc	Name	Description	Code	Data Type	Response	Comments
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	
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.

Row No	NY DD Field Name	Loop ID	Segment	Level	Position	Ref Desc	Name	Description	Code	Data Type	Response	Comments
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".
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	
89	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	

Row No	NY DD Field Name	Loop ID	Segment	Level	Position	Ref Desc	Name	Description	Code	Data Type	Response	Comments
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 867MIU 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	
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 (Interval Usage Summary – Account Level)	PTD Loop	PTD	DTL	010	01	Product Transfer Type Code	Code indicating that this PTD loop contains interval consumption data by the account level on the account for the commodity being reported.	IA	ID(2/2)	Conditional	Provided when interval consumption is being requested at the account level. This PTD segment is for summarized metered consumption.
97	Product Transfer and Resale Detail (Interval Usage Summary – Account Level)	PTD Loop	PTD	DTL	010	04	Reference Identification Qualifier	Indicates that PTD05 identifies the commodity reported in this loop.	OZ	ID(2/3)	Required	
98	Product Transfer and Resale Detail (Interval Usage Summary – Account Level)	PTD Loop	PTD	DTL	010	05	Reference Identification	Code indicating commodity type	EL or GAS	AN(1/30)	Required	

Row No	NY DD Field Name	Loop ID	Segment	Level	Position	Ref Desc	Name	Description	Code	Data Type	Response	Comments
99	Date/Time Reference (Period Start Date)	PTD Loop	DTM	DTL	020	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	
100	Date/Time Reference (Period Start Date)	PTD Loop	DTM	DTL	020	02	Date		CCYYMMDD	DT(8/8)	Required	
101	Date/Time Reference (Period End Date)	PTD Loop	DTM	DTL	020	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	
102	Date/Time Reference (Period End Date)	PTD Loop	DTM	DTL	020	02	Date		CCYYMMDD	DT(8/8)	Required	
103	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.
104	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.
105	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.
106	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.

Row No	NY DD Field Name	Loop ID	Segment	Level	Position	Ref Desc	Name	Description	Code	Data Type	Response	Comments
107	Reference Identification (Interval Reading Period)	PTD Loop	REF	DTL	030	01	Reference Identification Qualifier	Code indicating that REF02 contains the Utility Interval Reading Period for the service end point being reported in this PTD loop.	MT	ID(2/3)	Conditional	Used to provide clarification of interval meter data reading period.
108	Reference Identification (Interval Reading Period)	PTD Loop	REF	DTL	030	02	Reference Identification	The type and reporting interval for consumption measurements are described in a five-character field. The first two characters are used to describe the type of consumption. The last three characters describe the reporting interval.	Interval Reading Period	AN(1/30)	Required	When REF*MT is sent, the 02 element is required.
109	Quantity	QTY Loop	QTY	DTL	110	01	Quantity Qualifier	Code indicating whether the consumption in this PTD loop is actual, estimated or billed consumption.	QD=Period Actual KA=Period Estimated 20=Missing Read	ID(2/2)	Required	When a PTD*IA loop is being sent, A QTY segment is required. This element indicates the character of the value being provided in QTY02.
110	Quantity	QTY Loop	QTY	DTL	110	02	Quantity	Quantity of recorded usage for the type indicated in QTY03 for the period indicated in DTM*582 for this PTD loop for the account and commodity being reported.		R(1/15)	Required	Data elements whose X12 attribute type is 'R' are treated as real numbers. Real numbers are assumed to be positive numbers and a minus (-) sign must precede the amount when a negative number is being sent. Real numbers do NOT provide for an implied decimal position; therefore a decimal point must be sent when decimal precision is required. Note that in transmitting real numbers it is acceptable, but not necessary, to transmit digits that have no significance i.e. leading or trailing zeros.

Row No	NY DD Field Name	Loop ID	Segment	Level	Position	Ref Desc	Name	Description	Code	Data Type	Response	Comments
111	Quantity	QTY Loop	QTY	DTL	110	03	Unit or Basis for Measurement Code	Use these codes to describe the measurement units associated with the quantity sent in MEA03.	HH or KH	ID(2/2)	Required	
112	Date/Time Reference (Period End Date)	PTD Loop	DTM	DTL	210	01	Date/Time Qualifier	Code indicating that DTM02 and DTM03 contain the end date and time for the usage period being reported in this PTD loop.	582	ID(3/3)	Required	
113	Date/Time Reference (Period End Date)	PTD Loop	DTM	DTL	210	02	Date		CCYYMMDD	DT(8/8)	Required	
114	Date/Time Reference (Period End Date)	PTD Loop	DTM	DTL	210	03	Time		HHMM	TM(4/8)	Required	
115	Date/Time Reference (Period End Date)	PTD Loop	DTM	DTL	210	04	Time Code	Time Zone for the period being reported in DTM02 and DTM03.	ED – Eastern Daylight Time ES – Eastern Standard Time	ID(2/2)	Optional	
116	Product Transfer and Resale Detail (Interval Meter Detail)	PTD Loop	PTD	DTL	010	01	Product Transfer Type Code	Code indicating that this PTD loop contains metered usage data by each individual metered service point on the account for the commodity being reported.	PM	ID(2/2)	Conditional	Beginning of 5TH PTD Loop - This PTD loop is used to report interval meter data by meter. Unless beginning and ending 'reads' are being used to describe unmetered consumption, that data should not be sent in this loop but in PTD*BC.
117	Product Transfer and Resale Detail (Interval Meter Detail)	PTD Loop	PTD	DTL	010	04	Reference Identification Qualifier	Indicates that PTD05 identifies the commodity reported in this loop.	OZ	ID(2/3)	Required	
118	Product Transfer and Resale Detail (Interval Meter Detail)	PTD Loop	PTD	DTL	010	05	Reference Identification	Code indicating commodity type	EL or GAS	AN(1/30)	Required	
119	Date/Time Reference (Period Start Date)	PTD Loop	DTM	DTL	020	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	

Row No	NY DD Field Name	Loop ID	Segment	Level	Position	Ref Desc	Name	Description	Code	Data Type	Response	Comments
120	Date/Time Reference (Period Start Date)	PTD Loop	DTM	DTL	020	02	Date		CCYYMMDD	DT(8/8)	Required	
121	Date/Time Reference (Period End Date)	PTD Loop	DTM	DTL	020	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	
122	Date/Time Reference (Period End Date)	PTD Loop	DTM	DTL	020	02	Date		CCYYMMDD	DT(8/8)	Required	
123	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.
124	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.
125	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.
126	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.
127	Reference Identification (Rate Sub Class)	PTD Loop	REF	DTL	030	01	Reference Identification Qualifier	Code indicating that REF02 contains the utility rate subclass associated with the metered usage data contained in this PTD loop for the account being reported.	PR	ID(2/3)	Conditional	Used when further clarification of a rate is provided.

Row No	NY DD Field Name	Loop ID	Segment	Level	Position	Ref Desc	Name	Description	Code	Data Type	Response	Comments
128	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.
129	Reference Identification (Interval Reading Period)	PTD Loop	REF	DTL	030	01	Reference Identification Qualifier	Code indicating that REF02 contains the Utility Interval Reading Period for the service end point being reported in this PTD loop.	MT	ID(2/3)	Conditional	Used to provide clarification of interval meter data reading period.
130	Reference Identification (Interval Reading Period)	PTD Loop	REF	DTL	030	02	Reference Identification	The type and reporting interval for consumption measurements are described in a five-character field. The first two characters are used to describe the type of consumption. The last three characters describe the reporting interval.	Interval Reading Period	AN(1/30)	Required	When REF*MT is sent, the 02 element is required.
131	Quantity	QTY Loop	QTY	DTL	110	01	Quantity Qualifier	Code indicating whether the consumption in this PTD loop is actual, estimated or billed consumption.	QD=Period Actual KA=Period Estimated 20=Missing Read	ID(2/2)	Required	When a PTD*PM loop is being sent, A QTY segment is required. This element indicates the character of the value being provided in QTY02.

Row No	NY DD Field Name	Loop ID	Segment	Level	Position	Ref Desc	Name	Description	Code	Data Type	Response	Comments
132	Quantity	QTY Loop	QTY	DTL	110	02	Quantity	Quantity of recorded usage for the type indicated in QTY03 for the period indicated in DTM*582 for this PTD loop for the account and commodity being reported.		R(1/15)	Required	Data elements whose X12 attribute type is 'R' are treated as real numbers. Real numbers are assumed to be positive numbers and a minus (-) sign must precede the amount when a negative number is being sent. Real numbers do NOT provide for an implied decimal position; therefore a decimal point must be sent when decimal precision is required. Note that in transmitting real numbers it is acceptable, but not necessary, to transmit digits that have no significance i.e. leading or trailing zeros.
133	Quantity	QTY Loop	QTY	DTL	110	03	Unit or Basis for Measurement Code	Use these codes to describe the measurement units associated with the quantity sent in MEA03.	HH or KH	ID(2/2)	Required	
134	Date/Time Reference (Period End Date)	PTD Loop	DTM	DTL	210	01	Date/Time Qualifier	Code indicating that DTM02 and DTM03 contain the end date and time for the usage period being reported in this PTD loop.	582	ID(3/3)	Required	
135	Date/Time Reference (Period End Date)	PTD Loop	DTM	DTL	210	02	Date		CCYYMMDD	DT(8/8)	Required	
136	Date/Time Reference (Period End Date)	PTD Loop	DTM	DTL	210	03	Time		HHMM	TM(4/8)	Required	
137	Date/Time Reference (Period End Date)	PTD Loop	DTM	DTL	210	04	Time Code	Time Zone for the period being reported in DTM02 and DTM03.	ED – Eastern Daylight Time ES – Eastern Standard Time	ID(2/2)	Optional	
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.