New York Implementation Standard

For

Standard Electronic Transactions



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.
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Implementation Guideline Field Descriptions



NY867 Interval Usage 867 Interval Usage

Functional Group ID= \mathbf{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 <u>No.</u> 1	Pos. <u>No.</u> 010	Seg. <u>ID</u> ST	<u>Name</u> Transaction Set Header	Req. <u>Des.</u> M	<u>Max.Use</u> 1	Loop <u>Repeat</u>	Notes and <u>Comments</u>
5	020	BPT	Beginning Segment for Product Transfer and Resale	М	1		
6	050	DTM	Date/Time Reference (Next Meter Read Date)	0	1		
			LOOP ID - N1			1	
7	080	N1	Name (ESCO)	0	1		
			LOOP ID - N1			1	
8	080	N1	Name (Utility)	0	1		
			LOOP ID - N1		•	1	
9	080	N1	Name (Customer)	0	1		
10	100	N3	Address Information (Service Address)	0	1		
11	110	N4	Geographic Location (Service Address)	0	1		
12	120	REF	Reference Identification (ESCO Customer	0	1		
13	120	REF	Account Number) Reference Identification (Utility Account Number)	0	1		
14	120	REF	Reference Identification (Previous Utility Account Number)	0	1		
14	120	REF	Reference Identification (Bill Option)	0	1		

Detail:

Page <u>No.</u>	Pos. <u>No.</u>	Seg. <u>ID</u>	Name	Req. <u>Des.</u>	<u>Max.Use</u>	Loop <u>Repeat</u>	Notes and <u>Comments</u>
			LOOP ID - PTD			>1	
15	010	PTD	Product Transfer and Resale Detail (Metered	М	1		
			Consumption Summary)				
17	030	REF	Reference Identification (Utility Rate Service	0	1		
			Class)				
18	030	REF	Reference Identification (Rate Sub Class)	0	1		
			LOOP ID - QTY			>1	
19	110	QTY	Quantity (Number of Meters)	0	1		
19	140	AMT	Monetary Amount (Back Out Credit)	0	1		
20	160	MEA	Measurements	0	40		
24	210	DTM	Date/Time Reference (Period Start Date)	0	1		
24	210	DTM	Date/Time Reference (Period End Date)	0	1		

NY867 I	Interval U	sage					
			LOOP ID - PTD			>1	
26	010	PTD	Product Transfer and Resale Detail (Un- metered Consumption)	М	1		
27	030	REF	Reference Identification (Utility Rate Service Class)	0	1		
28	030	REF	Reference Identification (Rate Sub Class)	0	1	>1	
29	110	OTV	-	0	1	>1	
		QTY	Quantity (Number of Meters)				
30	140	AMT	Monetary Amount (Back Out Credit)	0	1		
30	160	MEA	Measurements	0	40		
32	210	DTM	Date/Time Reference (Period Start Date)	0	1		
32	210	DTM	Date/Time Reference (Period End Date)	0	1		
			LOOP ID - PTD			>1	
33	010	PTD	Product Transfer and Resale Detail (Metered Consumption Detail)	М	1		
35	030	REF	Reference Identification (Meter Number)	0	1		
36	030	REF	Reference Identification (Utility Rate Service	0	1		
37	030	REF	Class) Reference Identification (Rate Sub Class)	0	1		
			LOOP ID - QTY			>1	
38	110	QTY	Quantity (Number of Meters)	0	1		
39	140	AMT	Monetary Amount (Back Out Credit)	0	1		
40	160	MEA	Measurements	0	40		
43	210	DTM	Date/Time Reference (Period Start Date)	0	1		
44	210	DTM	Date/Time Reference (Period End Date)	0	1	-	
							<u> </u>
			LOOP ID - PTD			>1	
15	010	PTD	Product Transfer and Resale Detail (Interval	М	1		
			Usage Summary – Account Level)				
17	030	REF	Reference Identification (Utility Rate Service	0	1		
18	030	REF	Class) Reference Identification (Rate Sub Class)	0	1		
37	030	REF	Reference Identification (Interval Reading	0	1		
51	050	KEI	Period)	Ŭ			
##	070	DTM	Date/Time Reference (Period Start Date)	0	1		
##	070	DTM	Date/Time Reference (Period End Date)	0	1		
			LOOP ID - QTY			>1	
19	110	QTY	Quantity (Number of Meters)	0	1		
##	125	QTY	Quantity (Interval Position)	0	>1		
19	140	AMT	Monetary Amount (Back Out Credit)	0	1		
20	160	MEA	Measurements	0	40		
##	210	DTM	Date/Time Reference (Report Period)	0	1		
			LOOP ID - PTD			>1	
33	010	PTD	Product Transfer and Resale Detail (Interval	М	1		
35	030	REF	Meter Detail) Reference Identification (Meter Number)	0	1		
35 36	030	REF	Reference Identification (Utility Rate Service	0	1		
30	030	КЕГ	Class)	0	1		
37	030	REF	Reference Identification (Rate Sub Class)	0	1		
37	030	REF	Reference Identification (Interval Reading Period)	0	1		
##	070	DTM	Date/Time Reference (Period Start Date)	0	1		
##	070	DTM	Date/Time Reference (Period End Date)	0	1		
			LOOP ID – QTY	-	-	>1	
37	110	QTY	Quantity (Number of Meters)	0	1		
##	125	QTY	Quantity (Interval Positon)	0	>1		
^{##} 39	123	AMT	Monetary Amount (Back Out Credit)	0	1		
39 40	140 160	MEA	Monetary Amount (Back Out Credit) Measurements	0	40		
##	210	DTM	Date/Time Reference (Report Period)	0	1		

NY867 Interval Usage **Summary:**

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

N 1 807 Inter	val Usage							
	Segment:	ST T	ransaction Set Header					
	-		ransaction Set Header					
	Position:	010						
	Loop: Level:	Heading						
	Usage:	Mandato	r v7					
	Max Use:	1	.)					
	Purpose:		te the start of a transaction set and to assign a control number	r				
Svn	ntax Notes:							
	ntic Notes:	1 The	transaction set identifier (ST01) is used by the translation rou	tines of the interchange				
			ners to select the appropriate transaction set definition (e.g., 8					
		Tran	saction Set).					
C	Comments:							
	Notes:	Required						
			0000001					
		ST~867~	0000001					
			Data Element Summary					
	Ref.	Data	Data Element Summary					
		<u>Element</u>	Name	Attributes				
Mand.	ST01	143	Transaction Set Identifier Code	M ID 3/3				
	5101		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 d	lelimited by this ST				
			and it's corresponding SE segment within a functional group).				
	4							
			·					

Syn Semar	Segment: Position: Loop: Level: Usage: Max Use: Purpose: tax Notes: htic Notes:	020 Heading Mandato 1 To indica identifyin 1 If eit 1 BPT 2 BPT 3 BPT 4 BPT	ry ate the beginning of t ng data ther BPT05 or BPT0 '02 identifies the tran '03 identifies the tran '08 identifies the tran '09 is used when it is	sfer/resale date.			it
	Notes:	Required					
		BPT~00-	~2006042430326001	~20060424~DD			
			Data I	Element Summary			
Mand.	Ref. <u>Des.</u> BPT01	Data <u>Element</u> 353	<u>Name</u> Transaction Set P	urpose Code	<u>Attı</u> M	ributes ID 2/2	
			00	Original Conveys original readings for the accou	ınt be	ing	
				reported.		<u>s</u>	
			01	Cancellation		1.6 .1	
				Indicates that the readings previously reaccount are to be ignored.	eporte	d for the	
Must Use	BPT02	127	Reference Identifi		0	AN 1/30	
				on identification number assigned by the c	origina	ator of	
N 1		272		is number should be unique over time.		DT 0/0	
Mand.	BPT03	373	Date Expressed as	CCYYMMDD	Μ	DT 8/8	
			Dute Expressed us				
				on Date. This is the date that the transaction	on wa	s created by	
~ I			the sender's application		0		
Cond	BPT04	755	Report Type Code	2	0	ID 2/2	
			C1	Distributor Inventory Report			
				Indicates this is an interval usage transa	action		
Cond	BPT07	306	Action Code		0	ID 1/2	
				Final			
				Used only when reporting final consum	ption	for an	
				account when the customer account is f utility.			
Cond	BPT09	127	Reference Identifi		0	AN 1/30	
				this element should contain the transaction $\Gamma_{0,2}$ in the transaction that is being concelled		ntification	
			number sent in BP	$\Gamma 02$ in the transaction that is being cancel	ieu.		

:	Segment: Position: Loop: Level: Usage: Max Use: Purpose: ax Notes:	050 Heading Optional 1 To specif 1 At le	fy pertinent dates and times east one of DTM02 DTM03 or DTM05 is required.
Seman	tic Notes: omments: Notes:	3 If eit Optional	TM04 is present, then DTM03 is required. ther DTM05 or DTM06 is present, then the other is required.
			Data Element Summary
	Ref. <u>Des.</u>	Data <u>Element</u>	<u>Name</u> <u>Attributes</u>
Mand.	DTM01	374	Date/Time QualifierM ID 3/3634Next Review Date
Must Use	DTM02	373	Next Meter Read Date Date X DT 8/8 The date of the next scheduled meter read in the form CCYYMMDD.

in 1807 Interv	ai Osage							
	Segment:	N1 N	ame (ESCO)					
	Position:	080						
	Loop:		Optional (Must Use)					
	Level:	Heading						
	Usage:		(Must Use)					
	Max Use:	1						
	Purpose:	To identi	fy a party by type of organization, name, and code					
	ax Notes:	1 At le	east one of N102 or N103 is required. ther N103 or N104 is present, then the other is required.					
Seman	tic Notes:		ther 11105 of 11104 is present, then the other is required.					
	omments:	iden main 2 N10	segment, used alone, provides the most efficient method of pr tification. To obtain this efficiency the "ID Code" (N104) must nationed by the transaction processing party. 5 and N106 further define the type of entity in N101.					
	Notes:	Required						
		N1~SJ~~	-24~123456789					
		_	Data Element Summary					
	Ref.	Data	N A A A A A A A A A A A A A A A A A A A					
	Des.	<u>Element</u>	Name		ibutes			
Mand.	N101	98	Entity Identifier Code SJ Service Provider	Μ	ID 2/3			
			Identifies the ESCO participating in this	s trans	saction.			
	N102	93	Name	Х	AN 1/60			
			Free Form ESCO Company Name					
			Supplemental text information supplied, if desired, to provide	- "eve	hall"			
			identification of the ESCO. It is not necessary for successful					
			transaction but may be provided by mutual agreement betwee					
			partners.	JII LIU				
			purchers.					
Must Use	N103	66	Identification Code Qualifier	X	ID 1/2			
	11100		1 D-U-N-S Number, Dun & Bradstreet					
			9 D-U-N-S+4, D-U-N-S Number with Fo	ur Ch	aracter			
			Suffix					
			24 Employer's Identification Number					
			Federal Tax ID					
Must Use	N104	67	Identification Code	Х	AN 2/80			
indust est	11101		The D-U-N-S number or the Federal Tax ID	11				

in 1807 litterv	ai Osage				
	Segment:	N1 N	ame (Utility)		
	Position:	080			
	Loop:		Optional (Must Use)		
	Level:	Heading	F		
	Usage:		(Must Use)		
	Max Use:	1			
	Purpose:	To identi	fy a party by type of organization, name, and code		
Synt	tax Notes:	1 At le	ast one of N102 or N103 is required. her N103 or N104 is present, then the other is required.		
Seman	tic Notes:		I i i i i i i i i i i i i i i i i i i i		
	omments:	iden mair 2 N10	segment, used alone, provides the most efficient method of pr tification. To obtain this efficiency the "ID Code" (N104) must trained by the transaction processing party. 5 and N106 further define the type of entity in N101.		
	Notes:	Required			
		N1~8S~-	-24~012345678		
		_	Data Element Summary		
	Ref.	Data	N		
	Des.	<u>Element</u>	Name		butes
Mand.	N101	98	Entity Identifier Code	Μ	ID 2/3
			8S Consumer Service Provider (CSP)		
	1100		Identifies the Utility participating in this		
	N102	93	Name	X	AN 1/60
			Free Form Utility Company Name		
				1	1 1111
			Supplemental text information that may be supplied to provide identification of the Utility. It is not necessary for successful		
			identification of the Utility. It is not necessary for successful		
			transaction but may be provided by mutual agreement betwee	en trau	ing
			partners.		
Must Use	N103	66	Identification Code Qualifier	X	ID 1/2
Wiust Use	11103	00	1 D-U-N-S Number, Dun & Bradstreet	Λ	ID 1/2
			9 D-U-N-S+4, D-U-N-S Number with For	ur Che	racter
			Suffix	ui Ciii	inactor
			24 Employer's Identification Number		
			Federal Tax ID		
Must Use	N104	67	Identification Code	X	AN 2/80
Must Ose	11104	0/	The D-U-N-S number or the Federal Tax ID	1	AI (2/00

	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.	
	ax Notes:		
Synta	ax motes:	 At least one of N102 or N103 is required. If either N103 or N104 is present, then the other is required. 	
Somont	tic Notes:	2 If efficient who of who is present, then the other is required.	
	mments:	1 This segment, used alone, provides the most efficient method of providing organizational	
Co	mments:		
		identification. To obtain this efficiency the "ID Code" (N104) must provide a key to the table	
		maintained by the transaction processing party.	
	Natara	2 N105 and N106 further define the type of entity in N101.	
	Notes:	Required	
		T_{1} , N_{1} , N_{1} , N_{1} , N_{1} , N_{1} , N_{2} , N_{1} , N_{2} , N_{1} , N_{2} , N_{1} , N	
		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.	Data	
	Des.	<u>Element</u> <u>Attributes</u>	
Mand.	N101	98 Entity Identifier Code M ID 2/3	
		8R Consumer Service Provider (CSP) Customer	
		Identifies the end use customer targeted by this	
		transaction.	
Must Use	N102	93 Name X AN 1/60	
		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.	
		Participant Participant Participant	



Segment:	N4 Geographic Location (Service Address)
Position:	110
Loop:	N1 Optional (Must Use)
Loop: 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:	 A combination of either N401 through N404, or N405 and N406 may be adequate to specify a location. N402 in the local if it is seen a Q1401 in the U.S. and D.S. and D.
Notes:	2 N402 is required only if city name (N401) is in the U.S. or Canada. 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.	Data
Des.	Element <u>Name</u> <u>Attributes</u>
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

Semai	Segment: Position: Loop: Level: Usage: Max Use: Purpose: tax Notes: ntic Notes: omments: Notes:	120 N1 C Heading Optional 1 To specif 1 At le 2 If eit 3 If eit 1 REF Optional	Participation Participation Py identifying information Past one of REF02 or REF03 is required. There C04003 or C04004 is present, then the other is required. There Participation There C04005 or C04006 is present, then the other is required. The other is required. Outcomes data relating to the value cited in REF02. Participation
			Data Element Summary
	Ref.	Data	
Mand.	<u>Des.</u> REF01	Element 128	NameAttributesReference Identification QualifierM ID 2/3
Must Use	REF02	127	11 Account Number REF02 is the ESCO assigned account number for the customer. Reference Identification X AN 1/30 ESCO Marketer assigned account number for the customer.

Synt Seman	Segment: Position: Loop: Level: Usage: Max Use: Purpose: tax Notes: tic Notes: omments: Notes:	120 N1 C Heading Optional 1 To specif 1 At le 2 If eit 3 If eit 1 REF Required REF~12~	Reference Identification (Utility Account Number) Optional (Must Use) (Must Use) y identifying information ast one of REF02 or REF03 is required. her C04003 or C04004 is present, then the other is required. her C04005 or C04006 is present, then the other is required. 04 contains data relating to the value cited in REF02. •011231287654398 •011231287654398	
			Data Element Summary	
	Ref.	Data		
M	Des.	Element	Name	Attributes
Mand.	REF01	128	Reference Identification Qualifier 12 Billing Account	M ID 2/3
			REF02 is the Utility-assigned account n	umber for the
			customer.	
Must Use	REF02	127	Reference Identification	X AN 1/30
Cond	REF03	352	Utility assigned customer account number The utility account number must be supplied without interver non-alphanumeric characters. (Characters added to aid in vis on a bill, for example, should be removed) Description If specified in its Utility Maintained EDI Guide, the REF03 e REF*12 segment will only be present in 867MU or 867HU tr initiated by the utility where consumption is electric. This el- used by the utility to further define the electric service as an tr delivery point.	X AN 1/80 element in the ransactions ement may be
			U Un-Metered Service	

IN 1807 Interv	ai Usage		
	Segment:	REF	Reference Identification (Previous Utility Account Number)
	-		Kelefence Identification (I Tevious Othity Account Number)
	Position:	120	
	Loop:		ptional (Must Use)
	Level:	Heading	$(\mathbf{D}_{1},\ldots,1_{n-1})$
	Usage:	Optional	(Dependent)
	Max Use:	I Te en esif	
Sem	Purpose:		y identifying information
Synt	tax Notes:		ast one of REF02 or REF03 is required.
			her C04003 or C04004 is present, then the other is required. her C04005 or C04006 is present, then the other is required.
Seman	tic Notes:		04 contains data relating to the value cited in REF02.
	omments:	I KLI	54 contains data relating to the value ched in KEr 02.
C	Notes:	Condition	
	110105.	Condition	
		Where a	utility changes an existing customer's account number as a business process
			bited in its Utility Maintained EDI Guide), this segment must be sent when the
			igned account number for the customer has changed in the last 90 days.
		utility ass	rened account number for the customer has changed in the fast 90 days.
		REF~45~	9194132485705971
			,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,
			Data Element Summary
	Ref.	Data	
	Des.	Element	<u>Name</u> <u>Attributes</u>
Mand.	REF01	128	Reference Identification Qualifier M ID 2/3
			45 Old Account Number
			REF02 is the Utility's previous account number for the
			customer.
Must Use	REF02	127	Reference Identification X AN 1/30
			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.

Synt	Segment: Position: Loop: Level: Usage: Max Use: Purpose: tax Notes: omments: Notes:	120 N1 C Heading Optional 1 To specif 1 At le 2 If eit 3 If eit	Reference Identification (Bill Option) Optional (Dependent) (Dependent) 'y identifying information ast one of REF02 or REF03 is required. her C04003 or C04004 is present, then the other is required. her C04005 or C04006 is present, then the other is required. 04 contains data relating to the value cited in REF02.
			ied in its Utility Maintained EDI Guide, a Utility that supports this segment will he bill option that is in effect for the period defined in the 867. Γ*LDC
	Ref.	Data	Data Element Summary
	Des.	<u>Element</u>	Name <u>Attributes</u>
Must Use	REF01	128	Reference Identification Qualifier M ID 2/3
			Code qualifying the Reference Identification
			BLT Billing Type
			Bill Presenter
Must Use	REF02	127	Reference Identification X AN 1/30
112000 000			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
			·
		-	

Segment:	${f PTD}$ Product Transfer and Resale Detail (Metered Consum	ntion S	ummarv)	
Position:	010	F ~		
Loop:	PTD Mandatory			
Level:	Detail			
Usage:	Mandatory			
Max Use:	1			
Purpose:	To indicate the start of detail information relating to the transfer/resal	e of a p	roduct and pro	vide
	identifying data			
Syntax Notes:	 If either PTD02 or PTD03 is present, then the other is required. 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 current consumption data. It is required that you use the correct PTD type of data you are transmitting, e.g. do not use a PTD segment whe send un-metered consumption information. Consumption for un-met is summarized separately in a PTD loop with PTD01=BC.	segmer re PTD	nt for the 01=BQ to	
	This PTD segment is for summarized metered consumption. Each PT a separate QTY loop for each unit of measure and daily reported peak			
	The same Utility rate service class, rate subclass and load profile code service points summarized in the same PTD loop. If some service end different rate service class than others, the data from those service end sent in a separate PTD loop where PTD01=BO.	d points	are in a	
	PTD~BO~~OZ~GAS			
	Data Element Summary			
Ref.	Data Element Summary			
Des.	Element Name	Attr	ributes	
Mand. PTD01	521 Product Transfer Type Code		ID 2/2	
11201	BO Designated Items			
	Total for metered service points on th commodity type indicated in PTD05	e accou	nt for the	
Must Use PTD04	128 Reference Identification Qualifier	Х	ID 2/3	
	OZ Product Number			
	PTD05 contains a code identifying the	e comm	odity	
	reported in this transaction.			
Must Use PTD05	127 Reference Identification	Х	AN 1/30	
	EL Electric			
	GAS Gas			
	•			

Synt	Segment: Position: Loop: Level: Usage: Max Use: Purpose: cax Notes: tic Notes: omments: Notes:	030 PTD Detail Optional 1 To specifi 1 At le 2 If eit 3 If eit 1 REF Required REF~NH	
			Data Element Summary
Mand.	Ref. <u>Des.</u> REF01	Data <u>Element</u> 128	Name Attributes Reference Identification Qualifier M ID 2/3 NH Rate Card Number REF02 contains the Utility specific rate code that
Must Use	REF02	127	references the service class and rates applicable to this service delivery point. 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.)

IN 1807 Interv	vai Usage		
	Segment:	REF	Reference Identification (Rate Sub Class)
	Position:	030	Keterence fuctuation (Kate Sub Class)
		PTD	Mandatom
	Loop: Level:	Detail	Mandatory
			(Demendent)
	Usage: Max Use:	. *	(Dependent)
		1 To specif	
C	Purpose:		y identifying information
Syn	tax Notes:		east one of REF02 or REF03 is required.
			her C04003 or C04004 is present, then the other is required.
Somor	ntic Notes:		her C04005 or C04006 is present, then the other is required. 04 contains data relating to the value cited in REF02.
	omments:	I KLI	04 contains data relating to the value cited in KEP02.
C	Notes:	Condition	nal
	notes.	Condition	141
		REF~PR	- PSVD
			~NRSVD
		KLI ~r K	
			Data Element Summary
	Ref.	Data	Data Element Summary
	Des.	<u>Element</u>	<u>Name</u> <u>Attributes</u>
Mand.	<u>Des.</u> REF01	<u>128</u>	Reference Identification Qualifier M ID 2/3
Manu.	KLI VI	120	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
must osc	KEI 02	127	Provides further clarification of a tariff specified in the REF where
			REF01=NH.
			KLI UI-INII.

ОТУ	7 Ouentity (Number of Meters)	
	Quantity (Number of Meters)	
	Optional (Must Use)	
-	(Must Use)	
-	a quantity information A sonarate Quantity loop is used for	anch register or
		cach register of
1 At lea	ast one of QTY02 or QTY04 is required.	
- 211	of is used when the quantity is non numeric.	
Required		
This OTY	loop is required to report the number of meters being sumr	narized in the
QTY~FL	~2 (indicates 2 Meters)	
	Data Floment Summary	
Data	Data Exement Summary	
	Name	<u>Attributes</u>
		M ID 2/2
010		
380	Quantity	X R 1/15
	Contains the number of summarized meters in this loop.	
	110 QTY Detail Optional (1 To specify measurem 1 At lea 2 Only 1 QTY Required This QTY PTD=BO QTY~FL- Data <u>Element</u> 673	QTY Optional (Must Use) Detail Optional (Must Use) 1 To specify quantity information. A separate Quantity loop is used for measurement type being summarized. 1 At least one of QTY02 or QTY04 is required. 2 Only one of QTY02 or QTY04 may be present. 1 QTY04 is used when the quantity is non-numeric. Required This QTY loop is required to report the number of meters being summ PTD=BO loop. QTY~FL~2 (indicates 2 Meters) Data Element Summary Data Element Name 673 Quantity Qualifier FL Units

Sema	Segment: Position: Loop: Level: Usage: Max Use: Purpose: ntax Notes: antic Notes: Comments:	140 QTY Detail Optional 1	T Monetary Amount (Back Out Credit) Optional (Must Use) (Dependent) ate the total monetary amount
	Notes:	Conditio	nal
		and repre	
			Data Element Summary
Mand.	Ref. <u>Des.</u> AMT01	Data <u>Element</u> 522	Name Attributes 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).

NY867 Interval Usage					
Segme	nt: ME	A Measurements			
Positio					
Loo		Optional (Must Use)			
Lev	• •	optional (intest cisc)			
Usag		l (Must Use)			
Max Us					
Purpos		ify physical measurements of	or counts, including dimension	s, toleranc	es, variances, and
•	weights				, ,
Syntax Note	-		5 MEA06 or MEA08 is require	ed.	
·	2 If N	IEA05 is present, then MEA	A04 is required.		
	3 If N	IEA06 is present, then MEA	A04 is required.		
	4 If N	IEA07 is present, then at lea	ast one of MEA03 MEA05 or	MEA06 is	required.
		y one of MEA08 or MEA03			
Semantic Note			sure for MEA03, MEA05, and		
Commen			nces, any measurement requir		
			(+) value cannot be assumed, u	ise MEA0:	5 as the negative (-)
		e and MEA06 as the positiv	ve (+) value.		
Note	es: Require	d			
	Consum	ption shown with measuren	nent type and daily peak period	d.	
		*			
			< 10101 kWh billed off p		
		N~PRQ~12.3~K1~~~51			
		R~PRQ~11.4~K1~~~51			
			< 2.1 kW off peak recorded		
		N~PRQ~7.3~K1~~~42	< 7.3 kW on peak recorded		
		N~PRQ~3~K1~~~43	< 3 kW shoulder peak reco	orded dema	and
		N~PRQ~750~KH~~~41			
		N~PRQ~1275~KH~~~42	< 1275 kWh on peak us		-1
		N~PRQ~350~KH~~~43	< 350 kWh estimated sl		
	MEA~F	N~PRQ~600~HH	<600 ccf gas, total actu	iai consum	puon
		Data Eleme	nt Summary		
Ref.	Data	Data Elene	in builling y		
Des		Name		Att	<u>ributes</u>
Must Use MEA		Measurement Reference	e ID Code	0	ID 2/2
		AN Wor			
		Peri	od Actual		
			ed History		
			ironmental Conditions		
		Peri	od Estimated		
Must Use MEA	02 738	Measurement Qualifier		0	ID 1/3
		PRQ Proc	luct Reportable Quantity		
			sumption		
Must Use MEA	03 739	Measurement Value		X	R 1/20
		Quantity of the consumpt	ion delivered for the service pe	eriod.	

NY867 Inter	-	C 004		a		
Must Use	MEA04	C001	Composite Unit of		X	
Mand.	C00101	355		Measurement Code	Μ	ID 2/2
			HH	Hundred Cubic Feet		
				ccf		
			K1	Kilowatt Demand		
			K2	Kilovolt Amperes Reactive Demand		
			K3	Kilovolt Amperes Reactive Hour		
			K4	Kilovolt Amperes		
			K5	Kilovolt Amperes Reactive		
			K7	Kilowatt		
			KH	Kilowatt Hour		
			TD	Therms		
			ΤZ	Thousand Cubic Feet		
Cond	MEA07	935	Measurement Sig	nificance Code	0	ID 2/2
				AS, this element is not used.		
			41	Off Peak		
				For Consolidated Edison, this code wil	l be us	sed to
				designate Small Time of Use Off Peak		
			42	On Peak	Energ	<i>.</i>
			74	For Consolidated Edison, this code wil	1 he 114	ed to
				designate Small Time of Day On Peak		
			43	Intermediate	Energ	у.
			43			
			15	Intermediate Peak		•
			45	Per Gallon		
			10	Summer On Peak		
			49	Mist		
				Winter On Peak		
			50	Predominant		
				Winter Mid Peak		
			51	Total		
				For Consolidated Edison, this code wil		
				designate Total Energy or Total Billed	Dema	nd.
			57	Boarded or Blocked Up		
				Summer Total		
			58	Planned		
		Ť N		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		
			00	Low Tension On Peak Energy		
			87	Forecast		
			07			
		-	88	Low Tension Off Peak Energy		
			00	Adjusted		
			20	Low Tension Total Energy		
			89	Allocated		
				Low Tension Primary Demand		
			90	Increasing		
				Low Tension Secondary Demand		
			91	Stable		
				Low Tension Transmission Demand		
			92	Declining		
			92			

94

High Tension Primary Demand Potential High Tension Transmission Demand

N867IU v1.0 (4010)

NY86/Inter	val Usage						
	G (DTI	Date/Time Reference (Period Start Date)				
	Segment:		1 Date/Time Reference (Period Start Date)				
Position: 210							
	Loop:	Optional (Must Use)					
	Level:	QTY Optional (Must Use) Detail					
	Usage:	Optional (Must Use)					
	Max Use:	1					
	Purpose:	-	y pertinent dates and times				
Sun	tax Notes:		east one of DTM02 DTM03 or DTM05 is required.				
Syn	lax nuces.						
			ΓM04 is present, then DTM03 is required.				
a		3 If eit	her DTM05 or DTM06 is present, then the other is required.				
	ntic Notes:						
C	comments:						
	Notes:	Required					
		DTM~15	0~20060315				
			Data Element Summary				
	Ref.	Data					
	Des.	Element	Name <u>Attributes</u>				
Mand.	DTM01	374	Date/Time Qualifier M ID 3/3				
manu.	DIMOI	5/4	150 Service Period Start				
Must Use	DTM02	373	Date X DT 8/8				
Must Osc	DIMOZ	515	Start date of the period reported in the current QTY loop in the form				
			CCYYMMDD.				
			7 				
		Ŧ					

NY86/Interv	val Usage						
	C	DTI	Date/Time Reference (Period End Date)				
	Segment:		L Date/Time Reference (Period End Date)				
Position: 210							
	Loop:	QTY Optional (Must Use)					
	Level:	Detail					
	Usage:	Optional (Must Use)					
Max Use:		1					
	Purpose:	To specif	fy pertinent dates and times				
Syn	tax Notes:	1 At le	east one of DTM02 DTM03 or DTM05 is required.				
		2 If D'	ΓM04 is present, then DTM03 is required.				
		3 If eit	her DTM05 or DTM06 is present, then the other is required.				
Semar	ntic Notes:						
С	omments:						
	Notes:	Required					
		1					
		DTM~15	51~20060415				
			Data Element Summary				
	Ref.	Data					
	Des.	<u>Element</u>	Name <u>Attributes</u>				
Mand.	DTM01	374	Date/Time Qualifier M ID 3/3				
		071	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 Tran	nsfer and Resale D	etail (Un-metered	Consumptio	on)	
	Position:	010						
	Loop:	PTD	Mandatory					
	Level:	Detail						
	Usage:	Mandato	ry					
	Max Use:	1						
	Purpose:	To indica identifyii		etail information rela	ating to the transfer	r/resale of a p	roduct and pro	ovide
Syntax Notes:				TD03 is present, the TD05 is present, the				
Seman	tic Notes:							
С	omments:							
	Notes:	Condition	nal					
		A single same rate consump subclass)	PTD loop is use e service class (a tion being repor) is applicable to	d when reporting un ed to report all un-mo and subclass, as appl ted in a transaction. the un-metered usa for each rate class.	etered consumption licable) applies to a If more than one	n for a period all of the un-n rate service c	netered lass (or	
		PTD~BC	C~~~OZ~EL					
	Ref.	Data	D	ata Element Summ	nary			
	Des.	<u>Element</u>	Name			- Attr	ributes	
Mand.	PTD01	<u>521</u>		sfer Type Code			ID 2/2	
	1 1 2 0 1	•==	BC	Issue - Other	Agency			
					unmetered Service	points on the	account for	
					ty type indicated in			
Must Use	PTD04	128	Reference Ide	entification Qualific Product Num	er	Х	ID 2/3	
					ins a code identify	ing the comm	odity	
					is transaction.			
Must Use	PTD05	127	Reference Ide			X	AN 1/30	
			EL	Electric				
			GAS	Gas				
			F					

Synt	Segment: Position: Loop: Level: Usage: Max Use: Purpose: tax Notes: otic Notes: omments: Notes:	030 PTD Detail Optional 1 To specifi 1 At le 2 If eit 3 If eit 1 REF Required REF~NF	
			Data Element Summary
Mand.	Ref. <u>Des.</u> REF01	Data <u>Element</u> 128	Name Attributes Reference Identification Qualifier M ID 2/3 NH Rate Card Number M ID 2/3 REF02 contains the Utility specific rate code that ID 2/3 ID 2/3
Must Use	REF02	127	references the service class and rates applicable to this service delivery point. 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.) For the service of the serv

IN 1607 Interv	vai Usage						
	Segment:	REF	Reference Identification (Rate Sub Class)				
	Position:	030	Keterence fuctuation (Kate Sub Class)				
		PTD	Mandatom				
	Loop: Level:	Detail	Mandatory				
			(Demendent)				
	Usage: Max Use:	(Dependent)					
C	Purpose:	To specify identifying information					
Syn	tax Notes:	 At least one of REF02 or REF03 is required. If either C04003 or C04004 is present, then the other is required. 					
			her C04005 or C04006 is present, then the other is required.				
Somer	ntic Notes:		04 contains data relating to the value cited in REF02.				
	omments:	I KLI	04 contains data relating to the value cited in KEP02.				
C	Notes:	Condition	nal				
	notes.	Condition	141				
		REF~PR	- DCVD				
			~RSVD				
		KLI ~r K					
			Data Element Summary				
	Ref.	Data	Data Element Summary				
	Des.	<u>Element</u>	<u>Name</u> <u>Attributes</u>				
Mand.	<u>Des.</u> REF01	<u>128</u>	Reference Identification Qualifier M ID 2/3				
Manu.	KLI VI	120	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				
must osc	KEI 02	127	Provides further clarification of a tariff specified in the REF where				
			REF01=NH.				
			KLI UI-INII.				

Syn Semar	Segment: Position: Loop: Level: Usage: Max Use: Purpose: tax Notes: omments: Notes:	110 QTY Detail Optional 1 To specif 1 At le 2 Only 1 QTY Required A separa summari:	Quantity (Number of Meters) Optional (Must Use) (Must Use) fy quantity information. east one of QTY02 or QTY04 is required. y one of QTY02 or QTY04 may be present. (204 is used when the quantity is non-numeric. I. te QTY loop is used to indicate the number of un-metered service points zed in this loop. y-44 (indicates 44 un-metered points)
		Υ <u>ι</u> ~ι.Γ	
Mand.	Ref. <u>Des.</u> QTY01	Data <u>Element</u> 673	Name Attributes Quantity Qualifier M ID 2/2 FL Units
Must Use	QTY02	380	PLOnitsQuantityXR 1/15Contains the number of un-metered points reported in this period.

Segment: Position: Loop: Level: Usage: Max Use: Purpose: Syntax Notes: Semantic Notes: Comments:		140 QTY Detail Optional 1	T Monetary Amount (Back Out Credit) Optional (Must Use) (Dependent) ate the total monetary amount			
	Notes:	Conditional				
		and repre				
			Data Element Summary			
Mand.	Ref. <u>Des.</u> AMT01	Data <u>Element</u> 522	Name Attributes Amount Qualifier Code M ID 1/3 ZT Prorated Amount			
Mand.	AMT02	782	Back Out Credit amount reported in AMT02. 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).			
		Y				

	Segment:	ME	A Measurem	ents		
	Position:	160				
	Loop:	QTY	Optional (Mus	st Use)		
	Level:	Detail	Optional (Mus	st 050)		
	Usage:		(Must Use)			
	Max Use:	40	(Must Osc)			
	Purpose:		fy physical mas	surements or counts, including dimensions, tol	aranaas varianaas and	
	rurpose:	-	ry physical mea	surements of counts, including dimensions, too	erances, variances, and	
Course	Acre Noters	weights.				
Syn	tax Notes:			A03 MEA05 MEA06 or MEA08 is required.		
				t, then MEA04 is required.		
				t, then MEA04 is required.	0.6.1	
				t, then at least one of MEA03 MEA05 or MEA	06 is required.	
G	·• • •			8 or MEA03 may be present.	106	
	ntic Notes:			unit of measure for MEA03, MEA05, and ME		
C	comments:			sional tolerances, any measurement requiring a		
				a positive (+) value cannot be assumed, use M	EA05 as the negative ((-)
				s the positive (+) value.		
	Notes:	Required	l			
		Consump	ption shown wit	h measurement type.		
		MEA~B	R~PRQ~10101	~KH (indicates 10101 kWh consumption)	•	
					•	
			D	Data Element Summary		
	Ref.	Data				
		Data				
	Des.	<u>Element</u>	Name		<u>Attributes</u>	
Must Use	<u>Des.</u> MEA01			t Reference ID Code	<u>Attributes</u> O ID 2/2	
Must Use		Element		Work		
Must Use		Element	Measuremen			
Must Use		Element	Measuremen	Work Period Actual Billed History		
Must Use		Element	Measuremen AN	Work Period Actual Billed History Environmental Conditions		
Must Use		Element	Measuremen AN BR	Work Period Actual Billed History		
Must Use Must Use		Element	Measuremen AN BR	Work Period Actual Billed History Environmental Conditions Period Estimated		
	MEA01	Element 737	Measuremen AN BR EN	Work Period Actual Billed History Environmental Conditions Period Estimated	O ID 2/2	
	MEA01	Element 737	Measurement AN BR EN Measurement	Work Period Actual Billed History Environmental Conditions Period Estimated t Qualifier	O ID 2/2	
	MEA01	Element 737	Measurement AN BR EN Measurement	Work Period Actual Billed History Environmental Conditions Period Estimated t Qualifier Product Reportable Quantity Consumption	O ID 2/2	
Must Use	MEA01 MEA02	Element 737 738	Measurement AN BR EN Measurement PRQ Measurement	Work Period Actual Billed History Environmental Conditions Period Estimated t Qualifier Product Reportable Quantity Consumption	O ID 2/2 O ID 1/3 X R 1/20	
Must Use Must Use	MEA01 MEA02 MEA03	Element 737 738 738 739	Measurement AN BR EN Measurement PRQ Measurement Quantity of th	Work Period Actual Billed History Environmental Conditions Period Estimated t Qualifier Product Reportable Quantity Consumption t Value e consumption delivered for the service period.	O ID 2/2 O ID 1/3 X R 1/20	
Must Use	MEA01 MEA02	Element 737 738 739 C001	Measurement AN BR EN Measurement PRQ Measurement Quantity of th Composite Us	Work Period Actual Billed History Environmental Conditions Period Estimated t Qualifier Product Reportable Quantity Consumption t Value	O ID 2/2 O ID 1/3 X R 1/20	
Must Use Must Use Must Use	MEA01 MEA02 MEA03 MEA04	Element 737 738 738 739	Measurement AN BR EN Measurement PRQ Measurement Quantity of th Composite Us	Work Period Actual Billed History Environmental Conditions Period Estimated t Qualifier Product Reportable Quantity Consumption t Value e consumption delivered for the service period. nit of Measure for Measurement Code	 O ID 2/2 O ID 1/3 X R 1/20 	
Must Use Must Use Must Use	MEA01 MEA02 MEA03 MEA04	Element 737 738 739 C001	Measurement AN BR EN Measurement PRQ Measurement Quantity of th Composite Up Unit or Basis	Work Period Actual Billed History Environmental Conditions Period Estimated t Qualifier Product Reportable Quantity Consumption t Value e consumption delivered for the service period. nit of Measure	O ID 2/2 O ID 1/3 X R 1/20	
Must Use Must Use Must Use	MEA01 MEA02 MEA03 MEA04	Element 737 738 739 C001	Measurement AN BR EN Measurement PRQ Measurement Quantity of th Composite Ut Unit or Basis HH	Work Period Actual Billed History Environmental Conditions Period Estimated t Qualifier Product Reportable Quantity Consumption t Value e consumption delivered for the service period. mit of Measure for Measurement Code Hundred Cubic Feet ccf	O ID 2/2 O ID 1/3 X R 1/20	
Must Use Must Use Must Use	MEA01 MEA02 MEA03 MEA04	Element 737 738 739 C001	Measurement AN BR EN Measurement PRQ Measurement Quantity of th Composite Us Unit or Basis HH K1	Work Period Actual Billed History Environmental Conditions Period Estimated t Qualifier Product Reportable Quantity Consumption t Value e consumption delivered for the service period. nit of Measure for Measure for Measurement Code Hundred Cubic Feet ccf Kilowatt Demand	O ID 2/2 O ID 1/3 X R 1/20	
Must Use Must Use Must Use	MEA01 MEA02 MEA03 MEA04	Element 737 738 739 C001	Measurement AN BR EN Measurement PRQ Measurement Quantity of th Composite Ut Unit or Basis HH K1 K2	Work Period Actual Billed History Environmental Conditions Period Estimated t Qualifier Product Reportable Quantity Consumption t Value e consumption delivered for the service period. nit of Measure for Measure for Measurement Code Hundred Cubic Feet ccf Kilowatt Demand Kilovolt Amperes Reactive Demand	O ID 2/2 O ID 1/3 X R 1/20	
Must Use Must Use Must Use	MEA01 MEA02 MEA03 MEA04	Element 737 738 739 C001	Measurement AN BR EN Measurement PRQ Measurement Quantity of th Composite Us Unit or Basis HH K1 K2 K3	Work Period Actual Billed History Environmental Conditions Period Estimated t Qualifier Product Reportable Quantity Consumption t Value e consumption delivered for the service period. nit of Measure for Measure	O ID 2/2 O ID 1/3 X R 1/20	
Must Use Must Use Must Use	MEA01 MEA02 MEA03 MEA04	Element 737 738 739 C001	Measurement AN BR EN Measurement PRQ Measurement Quantity of th Composite Un Unit or Basis HH K1 K2 K3 K4	Work Period Actual Billed History Environmental Conditions Period Estimated t Qualifier Product Reportable Quantity Consumption t Value e consumption delivered for the service period. nit of Measure for Measure for Measurement Code Hundred Cubic Feet ccf Kilowatt Demand Kilovolt Amperes Reactive Demand Kilovolt Amperes Reactive Hour Kilovolt Amperes	O ID 2/2 O ID 1/3 X R 1/20	
Must Use Must Use Must Use	MEA01 MEA02 MEA03 MEA04	Element 737 738 739 C001	Measurement AN BR EN Measurement PRQ Measurement Quantity of th Composite Unit Or Basis HH K1 K2 K3 K4 K5	Work Period Actual Billed History Environmental Conditions Period Estimated t Qualifier Product Reportable Quantity Consumption t Value e consumption delivered for the service period. nit of Measure for Measure for Measurement Code Hundred Cubic Feet ccf Kilowatt Demand Kilovolt Amperes Reactive Demand Kilovolt Amperes Kilovolt Amperes Kilovolt Amperes Reactive	O ID 2/2 O ID 1/3 X R 1/20	
Must Use Must Use Must Use	MEA01 MEA02 MEA03 MEA04	Element 737 738 739 C001	Measurement AN BR EN Measurement PRQ Measurement Quantity of th Composite Ur Unit or Basis HH K1 K2 K3 K4 K4 K5 K7	Work Period Actual Billed History Environmental Conditions Period Estimated t Qualifier Product Reportable Quantity Consumption t Value e consumption delivered for the service period. nit of Measure for Measurement Code Hundred Cubic Feet ccf Kilowatt Demand Kilovolt Amperes Reactive Demand Kilovolt Amperes Reactive Hour Kilovolt Amperes Reactive Hour Kilovolt Amperes Reactive Hour Kilovolt Amperes Reactive Hour Kilovolt Amperes Reactive Kilowatt	O ID 2/2 O ID 1/3 X R 1/20	
Must Use Must Use Must Use	MEA01 MEA02 MEA03 MEA04	Element 737 738 739 C001	Measurement AN BR EN Measurement PRQ Measurement Quantity of th Composite Ut Unit or Basis HH K1 K2 K3 K4 K5 K7 KH	Work Period Actual Billed History Environmental Conditions Period Estimated t Qualifier Product Reportable Quantity Consumption t Value e consumption delivered for the service period. mit of Measure for Measurement Code Hundred Cubic Feet ccf Kilowatt Demand Kilovolt Amperes Reactive Demand Kilovolt Amperes Reactive Hour Kilovolt Amperes Kilovolt Amperes Reactive Kilovolt Amperes Reactive	O ID 2/2 O ID 1/3 X R 1/20	
Must Use Must Use Must Use	MEA01 MEA02 MEA03 MEA04	Element 737 738 739 C001	Measurement AN BR EN Measurement PRQ Measurement Quantity of th Composite Ur Unit or Basis HH K1 K2 K3 K4 K4 K5 K7	Work Period Actual Billed History Environmental Conditions Period Estimated t Qualifier Product Reportable Quantity Consumption t Value e consumption delivered for the service period. nit of Measure for Measurement Code Hundred Cubic Feet ccf Kilowatt Demand Kilovolt Amperes Reactive Demand Kilovolt Amperes Reactive Hour Kilovolt Amperes Reactive Hour Kilovolt Amperes Reactive Hour Kilovolt Amperes Reactive Hour Kilovolt Amperes Reactive Kilowatt	O ID 2/2 O ID 1/3 X R 1/20	

NY86/Inter	val Usage						
	G (DTI	Date/Time Reference (Period Start Date)				
	Segment: Position:	D I I 210	1 Date/Time Reference (Period Start Date)				
	Loop:	QTY	Optional (Must Use)				
	Level:	Detail					
	Usage:	Optional (Must Use)					
	Max Use:	1					
	Purpose:	-	y pertinent dates and times				
Sun	tax Notes:		east one of DTM02 DTM03 or DTM05 is required.				
Syn	lax notes:						
			ΓM04 is present, then DTM03 is required.				
G		3 If eit	her DTM05 or DTM06 is present, then the other is required.				
	ntic Notes:						
C	comments:						
	Notes:	Required					
		DTM~15	0~20060315				
			Data Element Summary				
	Ref.	Data					
	Des.	Element	Name <u>Attributes</u>				
Mand.	DTM01	374	Date/Time Qualifier M ID 3/3				
manu.	DIMOI	5/4	150 Service Period Start				
Must Use	DTM02	373	Date X DT 8/8				
Must Osc	DIMOZ	515	Start date of the period reported in the current QTY loop in the form				
			CCYYMMDD.				
	K						
			7 				
		Ŧ					
NY86/Inter	val Usage						
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	~	ЛТЛ					
	Segment:		Date/Time Reference (Period End Date)				
	Position:	210					
	Loop:	p: QTY Optional (Must Use)					
	Level:	Detail					
	Usage:		(Must Use)				
	Max Use:	1					
	Purpose:	-	fy pertinent dates and times				
C			east one of DTM02 DTM03 or DTM05 is required.				
Syn	tax Notes:						
			TM04 is present, then DTM03 is required.				
		3 If eit	her DTM05 or DTM06 is present, then the other is required.				
	ntic Notes:						
C	comments:						
	Notes:	Required					
		DTM~15	51~20060415				
			Data Element Summary				
	Ref.	Data					
	Des.	<u>Element</u>	<u>Name</u> <u>Attributes</u>				
Mand.	<u>Des.</u> DTM01	<u>374</u>	Date/Time Qualifier M ID 3/3				
	DIMUI	574	151 Service Period End				
Marget Ilas	DTM02	272					
Must Use	DTM02	373					
			End date of the period reported in the current QTY loop in the form				
			CCYYMMDD.				

Segment: Position: Loop: Level: Usage: Max Use: Purpose:	PTD Product Transfer and Resale Detail (Metered Consump 010 PTD Mandatory Detail Mandatory 1 To indicate the start of detail information relating to the transfer/resale identifying data 1 If either PTD02 or PTD03 is present, then the other is required.	
Syntax Notes:	 If either PTD02 of PTD05 is present, then the other is required. 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 data is being reported by meter (required in the Single Retailer model), sent in the PTD~PM loop and not this loop. Each metered service point must be sent in a separate PTD loop (PTD0 consumption for the period reported in separate QTY loops within that PTD*BQ loop will include the meter number, rate class (and subclass, a quantity of consumption, measurement unit, and reported period start a PTD~BQ~~~OZ~EL	the data should be (1=BQ) with the PTD loop. Each as applicable),
	Data Element Summary	
Ref.	Data	A 44*1
<u>Des.</u> Mand. PTD01	Element Name 521 Product Transfer Type Code	Attributes M ID 2/2
	BQ Other	
	Detail of metered service points on the a commodity type indicated in PTD05.	account for the
Must Use PTD04	128 Reference Identification Qualifier	X ID 2/3
	OZ Product Number	
	PTD05 contains a code identifying the or	commodity
Must Use PTD05	I27 Reference Identification EL Electric GAS Gas	X AN 1/30

	Segment:	DFL					
	Segment:		Reference Identification (Meter Number)				
	-		Reference Identification (Meter Number)				
	Position:	030					
	Loop:	PTD Mandatory					
	Level:	Detail					
	Usage:	Optional (Must Use)					
	Max Use:	1					
	Purpose:	-	fy identifying information				
Svn	tax Notes:		east one of REF02 or REF03 is required.				
Syn	liax notes.						
			ther C04003 or C04004 is present, then the other is required.				
C	· • •		ther C04005 or C04006 is present, then the other is required.				
	ntic Notes:	1 REF	04 contains data relating to the value cited in REF02.				
C	Comments:	~					
	Notes:	Required					
		REF~MO	G~012345678				
			Data Element Summary				
	Ref.	Data					
	Des.	Element	Name <u>Attributes</u>				
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				

Synt Seman	Segment: Position: Loop: Level: Usage: Max Use: Purpose: cax Notes: tic Notes: omments: Notes:	030 PTD Detail Optional 1 To specifi 1 At le 2 If eit 3 If eit 1 REF Required REF~NH	
			Data Element Summary
Mand.	Ref. <u>Des.</u> REF01	Data <u>Element</u> 128	Name Attributes Reference Identification Qualifier M ID 2/3 NH Rate Card Number M ID 2/3 REF02 contains the Utility specific rate code that ID 2/3 ID 2/3
			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.)

IN 1607 Interv	val Usage						
	Segment:	REF	Reference Identification (Rate Sub Class)				
	Position:	030	Keterence Identification (Kate Sub Class)				
	Loop:	PTD	Mandatory				
	Level:	Detail	Wandatory				
	Usage:						
	Max Use:	1	(Dependent)				
	Purpose:	-	y identifying information				
Syn	tax Notes:		east one of REF02 or REF03 is required.				
·			her C04003 or C04004 is present, then the other is required.				
			her C04005 or C04006 is present, then the other is required.				
	ntic Notes:	1 REF	04 contains data relating to the value cited in REF02.				
С	omments:						
	Notes:	Condition	nal				
		REF~PR					
		REF~PR	~NRSVD				
			Data Element Summary				
	Ref.	Data	Data Element Summary				
	Des.	<u>Element</u>	<u>Name</u> <u>Attributes</u>				
Mand.	<u>DC3.</u> REF01	<u>128</u>	Nume Automation Reference Identification Qualifier M ID 2/3				
1,10000		120	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.				

N 1807 Interv	Segment:	ОТУ	Quantity (Number of Meters)
	Position:	110	Quantity (Number of Meters)
	Loop:	QTY	Optional (Must Use)
	Loop. Level:	Detail	Optional (Must Ose)
	Usage:		(Must Use)
	Max Use:	1	
	Purpose:	To specif	y quantity information.
Syn	tax Notes:		ast one of QTY02 or QTY04 is required.
			one of QTY02 or QTY04 may be present.
	ntic Notes:	1 QTY	'04 is used when the quantity is non-numeric.
C	omments:	D 1 1	
	Notes:	Required	
		OTY~FI	$\sim 1 = 1$ Meter
		211 12	
			Data Element Summary
	Ref.	Data	
	Des.	Element	Name Attributes
Mand.	QTY01	673	Quantity QualifierM ID 2/2FLUnits
Must Use	QTY02	380	Quantity X R 1/15
112000 000	X	000	Default to 1.

Segment: Position: Loop: Level: Usage: Max Use: Purpose: Syntax Notes: Semantic Notes: Comments:		140 QTY Detail Optional 1	T Monetary Amount (Back Out Credit) Optional (Must Use) (Dependent) ate the total monetary amount
	Notes:	Condition	nal
		and repre	
			Data Element Summary
Mand.	Ref. <u>Des.</u> AMT01	Data <u>Element</u> 522	Name Attributes Amount Qualifier Code M ID 1/3 ZT Prorated Amount
Mand.	AMT02	782	Moretary 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).

NY86/Interv	val Usage							
	Segment:	ME	A Measurements					
	Position:	160						
	Loop:	QTY	Optional (Must Us	e)				
	Level:	Detail	Optional (Must Os	()				
	Usage:		(Must Use)					
	Max Use:	40	(Must 0.50)					
	Purpose:		fy physical measure	ments or counts	including dimensions, to	lerance	es variances and	
	i uipose.		(See Figures Appen			lerune	es, variances, and	
Synt	tax Notes:				or MEA08 is required.			
2,511			IEA05 is present, the					
			IEA06 is present, the					
					MEA03 MEA05 or ME	A 06 is	required.	
			y one of MEA08 or 1			•		
Seman	tic Notes:				MEA03, MEA05, and MI	EA06.		
	omments:				measurement requiring a		(+ or -), or any	
					cannot be assumed, use M			-)
			e and MEA06 as the				e .	<i>,</i>
	Notes:	Conditio						
		should co MEA~B MEA~A MEA~A MEA~A MEA~A MEA~A MEA~A MEA~E MEA~E	ontain "BR". R~PRQ~10101~KH N~PRQ~12.3~K1~~ R~PRQ~11.4~K1~~ N~PRQ~2.1~K1~~~ N~PRQ~7.3~K1~~~ N~PRQ~3~K1~~~4 N~PRQ~750~KH~~ N~PRQ~1275~KH~ N~PRQ~350~KH~~ N~PRQ~600~HH	$2 \sim -41 < 101$ $\sim -51 < 12.1$ $\sim -51 < 11.1$ $\sim -41 < 2.1$ $\sim -42 < 7.3$ 3 < 3 k $\sim -41 < 7$ $\sim -42 < 1$ $\sim -43 < 3$	d consumption should be 101 kWh billed off peak 3 kW total recorded dema 4 kW total billed demand kW off peak recorded de kW on peak recorded de W shoulder peak recorded 50 kWh off peak use 275 kWh on peak use 350 kWh estimated shoul 500 ccf gas, total actual co ary	use and l emand mand d dema der pea	and ak use	
	Ref.	Data						
	Des.	Element	Name				ributes	
Must Use	MEA01	737	Measurement Ref		e	0	ID 2/2	
			AN	Work				
				Period Actual				
			BR	Billed History				
					n actual or estimated con	sumpt	ion is not	
				available.				
			EN	Environmenta				
	MEAO2	720		Period Estima	ited	0	ID 1/2	
Must Use	MEA02	738	Measurement Qu		rtable Quantity	0	ID 1/3	
			PRQ	Consumption	rtable Quantity			
Must Use	MEA03	739	Measurement Va	1		X	R 1/20	
must Use	MEAUJ	- 39			ered for the service period		IX 1/40	
			Zuminity of the col	isomption denve	for the service period	*•		

NY867 Interv	al Usage					
Must Use	MEA04	C001	Composite Unit of		Х	
Mand.	C00101	355	Unit or Basis for N	Aeasurement Code	Μ	ID 2/2
			HH	Hundred Cubic Feet		
				ccf		
			K1	Kilowatt Demand		
			K2	Kilovolt Amperes Reactive Demand		
			K3	Kilovolt Amperes Reactive Hour		
			K4	Kilovolt Amperes		
			K5	Kilovolt Amperes Reactive		
			K7	Kilowatt		
			KH	Kilowatt Hour		
			TD	Therms		
			TZ	Thousand Cubic Feet		
Cond.	MEA07	935	Measurement Sign		0	ID 2/2
				S, this element is not used.		
			41	Off Peak		
				For Consolidated Edison, this code will		
				designate Small Time of Use Off Peak	Energ	у.
			42	On Peak		•
				For Consolidated Edison, this code will		
			10	designate Small Time of Day On Peak I	Energ	у.
			43	Intermediate		
			45	Intermediate Peak		•
			45	Per Gallon		
			40	Summer On Peak		
			49	Mist Winter On Peak		
			50	Predominant		
			50	Winter Mid Peak		
			51	Total		
			51	For Consolidated Edison, this code will	he us	ed to
				designate Total Energy or Total Billed		
			57	Boarded or Blocked Up	Denna	
				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		
			0.0	Low Tension Off Peak Energy		
			88	Adjusted		
			00	Low Tension Total Energy		
			89	Allocated		
			00	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

NY86/Inter	val Usage						
	G (DTN	Date/Time Reference (Period Start Date)				
	Segment:	$\mathbf{D}1\mathbf{n}$	1 Date/Time Reference (Period Start Date)				
	Position:	210					
	Loop:						
	Level:	Detail					
	Usage:	Optional	(Must Use)				
	Max Use:	1					
	Purpose:		fy pertinent dates and times				
Syn	tax Notes:		east one of DTM02 DTM03 or DTM05 is required.				
			ΓM04 is present, then DTM03 is required.				
		3 If eit	her DTM05 or DTM06 is present, then the other is required.				
Semar	ntic Notes:						
C	comments:						
	Notes:	Required					
		DTM~15	50~20060315				
			Data Element Summary				
	Ref.	Data					
	Des.	<u>Element</u>	<u>Name</u> <u>Attributes</u>				
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.				
		-					

NY86/Inter	val Usage					
	C	DTN	Date/Time Reference (Period End Date)			
	Segment:		L Date/Time Reference (Period End Date)			
	Position:					
	Loop: QTY Optional (Must Use)					
	Level:	Detail				
	Usage:	Optional	(Must Use)			
	Max Use:	1				
	Purpose:		fy pertinent dates and times			
Syn	tax Notes:	1 At le	east one of DTM02 DTM03 or DTM05 is required.			
		2 If D	ΓM04 is present, then DTM03 is required.			
		3 If eit	her DTM05 or DTM06 is present, then the other is required.			
Semar	ntic Notes:					
С	omments:					
	Notes:	Required				
		1				
		DTM~15	51~20060415			
			Data Element Summary			
	Ref.	Data				
	Des.	Element	Name <u>Attributes</u>			
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.			
		•				

<mark>New Items Starts</mark>

N 1 607 Interval	Usage							
S		PTD Braduct Transfer	r and Resale Detail (Interval Usage Sur		· Account Louis			
	egment:	I I D Product Transfer	r and Resale Detail (Interval Usage Sur	nnary	– Account Level			
ľ	Position:	010						
	Loop:	PTD Mandatory						
	Level:	Detail						
	Usage:	Mandatory						
Μ	lax Use:	1						
P	urpose:	To indicate the start of detail	information relating to the transfer/resale	ofap	roduct and provide			
		identifying data						
Synta	x Notes:	1 If either PTD02 or PTD0	03 is present, then the other is required.					
v			05 is present, then the other is required.					
Semanti	c Notes:							
	nments:							
COL	Notes:	Conditional						
	nones.	Conditional						
		Provided when interval server	umption is being requested at the account	lovol				
			imption is being requested at the account		f magazing			
		SU (Account Summary) Loc	op –sums intervals at the account level by	unit o	i measure.			
			marized metered consumption. Each PTI					
		a separate QTY loop for each	unit of measure and daily reported peaks	s as app	plicable.			
			class, rate subclass and load profile code					
			the same PTD loop. If some service end					
		different rate service class that	an others, the data from those service end	points	should be			
		sent in a separate PTD loop v	vhere PTD01=SU.					
		PTD~SU~~OZ~EL						
		Data	Element Summary					
	Ref.	Data						
	Des.	Element Name		Attr	ibutes_			
Mand.	PTD01	521 Product Transfer	Type Code		ID 2/2			
manu.	1 1 0 0 1	SU SU	Designated Items	141	10 2/2			
		30	Total for metered service points on the	000011	nt for the			
				accou	int for the			
Marad II.			commodity type indicated in PTD05	v	ID 2/2			
Must Use	PTD04	128 Reference Identifi		X	ID 2/3			
		OZ	Product Number					
			PTD05 contains a code identifying the	comm	odity			
			reported in this transaction.					
Must Use	PTD05	127 Reference Identifi		Х	AN 1/30			
		EL	Electric					
		GAS	Gas					

Y

Synt	Segment: Position: Loop: Level: Usage: Max Use: Purpose: tax Notes: otic Notes: omments: Notes:	030 PTD Detail Optional 1 To specifi 1 At le 2 If eit 3 If eit 1 REF Required REF~NF	
			Data Element Summary
Mand.	Ref. <u>Des.</u> REF01	Data <u>Element</u> 128	Name Attributes Reference Identification Qualifier M ID 2/3 NH Rate Card Number M ID 2/3 REF02 contains the Utility specific rate code that ID 2/3 ID 2/3
Must Use	REF02	127	references the service class and rates applicable to this service delivery point. 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.) For the service of the serv

IN 1607 Interv	vai Usage							
	Segment:	REF	Reference Identification (Rate Sub Class)					
	Position:	030	Keterence Identification (Kate Sub Class)					
		PTD	Mandatom					
	Loop: Level:							
	Usage:	Detail Optional (Dependent)						
	Max Use:	1	(Dependent)					
	Purpose:	-	y identifying information					
Synt	tax Notes:		ast one of REF02 or REF03 is required.					
Syn	tux i totes.		her C04003 or C04004 is present, then the other is required.					
			her C04005 or C04006 is present, then the other is required.					
Seman	ntic Notes:		04 contains data relating to the value cited in REF02.					
	omments:		č					
	Notes:	Condition	nal					
		REF~PR	~RSVD					
		REF~PR	~NRSVD					
			Data Element Summary					
	Ref.	Data						
	Des.	<u>Element</u>	<u>Name</u> <u>Attributes</u>					
Mand.	REF01	128	Reference Identification QualifierM ID 2/3					
			PR Price Quote Number					
			Utility Rate Subclass - Used to provide further					
	DEE00	107	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)
N Synta Semant	Position: Loop: Level: Usage: Max Use: Purpose: ax Notes: ic Notes: mments: Notes:	030 PTD Detail Optional 1 To specif 1 At le 2 If eit 3 If eit 1 REF Condition REF~MT	Mandatory (Dependent) Ty identifying information east one of REF02 or REF03 is required. her C04003 or C04004 is present, then the other is required. her C04005 or C04006 is present, then the other is required. 04 contains data relating to the value cited in REF02.
Mand.	Ref. <u>Des.</u> REF01	Data <u>Element</u> 128	Name Attributes Reference Identification Qualifier M ID 2/3 MT Meter Ticket Number Interval Reading Period.
Must Use	REF02	127	Reference Identification X AN 1/30 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 Reactive (kVAR) K4 Kilovolt Amperes Reactive (kVAR) K4 Kilowatt Hour (kWh) H1 H Hundred 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 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 i

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

Segment: Position: Loop: Level: Usage: Max Use: Purpose: Syntax Notes: Semantic Notes: Comments: Notes:	070 PTD Detail Optional 1 To speci 1 At le 2 If D 3 If ei Required	Date/Time Reference (Period Start Date) Optional (Must Use) (Must Use) fy pertinent dates and times east one of DTM02 DTM03 or DTM05 is required. TM04 is present, then DTM03 is required. ther DTM05 or DTM06 is present, then the other is required. 50~20060315
		Data Element Summary
Ref.	Data	
<u>Des.</u> Mand. DTM01	Element 374	NameAttributesDate/Time QualifierM150Service 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.

NY86/Inter	val Usage		
	G (DTI	Date/Time Reference (Period End Date)
	Segment:		L Date/Time Reference (Period End Date)
	Position:	070	
	Loop:	PTD	Optional (Must Use)
	Level:	Detail	
	Usage:		(Must Use)
	Max Use:	1	
	Purpose:	-	y pertinent dates and times
C			east one of DTM02 DTM03 or DTM05 is required.
Syn	tax Notes:		
			ΓM04 is present, then DTM03 is required.
~		3 If eit	her DTM05 or DTM06 is present, then the other is required.
	ntic Notes:		
C	omments:		
	Notes:	Required	
		DTM~15	51~20060415
			Data Element Summary
	Ref.	Data	
	Des.	Element	Name <u>Attributes</u>
Mand.	DTM01	374	Date/Time Qualifier M ID 3/3
manu.	DIMOI	5/4	151 Service Period End
Must Use	DTM02	373	Date X DT 8/8
Must Osc	DIMOZ	515	End date of the period reported in the current QTY loop in the form
			CCYYMMDD.
			7
		Ŧ	

Segmeini GUTY Quantity (Number of Meters) Position: 110 Level Detail Max Use 1 Turpose: To specify quantity information. A separate Quantity loop is used for each register or measurement types being summarized. Syntax Notes: 1 OTYO2 or QTYO4 may be present. Semantic Notes: 1 OTYO4 is used when the quantity is non-numeric. Semantic Notes: 1 OTYO4 is used when the quantity is non-numeric. Notes: Required This QTY loop is required to report the number of meters being summarized in the PTD-BO loop. QTY-EL-2 (indicates 2 Meters) Mand. QTYO1 673 Quantity Qualifier Mi D 2/2 FL Units X R 1/15 Contains the number of summarized meters in this loop.		•							
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 Des. Ref. Data Des. Element Summary Kef. Data Des. FL Units Mand. QTY01 673 Name Guantity K R 1/15		Commente	ΟΤΥ	V Quantity (Number of Materia)					
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 QTYO2 or QTY04 is required. 2 Only one of QTY02 or QTY04 may be present. Semantic Notes: 1 QTY-V04 is used when the quantity is non-numeric. Comments: 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. Data Des. Element Summary Mand. QTY01 673 Quantity Qualifier FL Units Must Use QTY02 380 Quantity		•	•	Quantity (Number of Meters)					
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. 1 Semantic Notes: 1 QTY04 is used when the quantity is non-numeric. Semantics: 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 Attributes Mand. QTY01 Same Attributes Mand. QTY02 380 Quantity Qualifier M iD 2/2 FL Units X X 1/15									
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. Semantic Notes: 1 At least one of QTY02 or QTY04 may be present. Semantic Notes: 1 QTY04 is used when the quantity is non-numeric. Notes: Required 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 Mand. QTY01 Element Same Attributes M 1D 2/2 Must Use QTY02 380 Quantity Qualifier FL, Units M 1D 2/2									
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. Semantic Notes: 1 QTY04 is used when the quantity is non-numeric. Semantic Notes: 1 QTY04 is used when the quantity is non-numeric. 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 Mand. QTY01 Name Attributes Mast Use QTY02 380 Quantity Value X R 1/15				(Must Has)					
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. Semantic Notes: 2 Only one of QTY02 or QTY04 may be present. Semantic Notes: Required Notes: Required 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. Data Element Summary Mand. QTY01 Same Attributes Must Use QTY02 380 Quantity X R 1/15			-	(Must Use)					
Syntax Notes: measurement type being summarized. Syntax Notes: 1 Semantic Notes: 2 Comments: 0TY04 is used when the quantity is non-numeric. 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. Data Des. Element Mand. QTY01 673 Quantity Qualifier FL Units Must Use QTY02 380 Quantity			-	fy quantity information. A congrate Quantity loop is used for each reg	stor or				
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 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) QTY~FL~2 (indicates 2 Meters) Mand. QTY01 673 Quantity Qualifier FL FL Units M ID 2/2 Must Use QTY02 380 Quantity X R 1/15		i ui pose.							
Semantic Notes: 1 QTY04 is used when the quantity is non-numeric. Comments: Notes: Required 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) QTY~FL~2 (indicates 2 Meters) Data Element Summary Ref. Data Des. Element Name Mand. QTY01 673 Quantity Qualifier FL Units M M 1D 2/2 Must Use QTY02 380 Quantity X X R 1/15	Synt	ax Notes:	1 At le	east one of QTY02 or QTY04 is required.					
Comments: Notes: Required 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. Data Des. Element Name QTY01 673 Quantity Qualifier FL Units X R 1/15	G	·	2						
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. Data Des. Element Name QTY01 673 Quantity Qualifier Attributes Must Use QTY02 380 Quantity X R 1/15			I QIY	Y 04 is used when the quantity is non-numeric.					
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. Data Des. Element Name QTY01 673 Quantity Qualifier Attributes Must Use QTY02 380 Quantity X R 1/15	C		D						
PTD=BO loop. QTY~FL~2 (indicates 2 Meters) Data Element Summary Ref. Data <u>Des. Element Name</u> Mand. QTY01 673 Quantity Qualifier FL Units Must Use QTY02 380 Quantity X R 1/15		notes:	Required	1					
PTD=BO loop. QTY~FL~2 (indicates 2 Meters) Data Element Summary Ref. Data <u>Des. Element Name</u> Mand. QTY01 673 Quantity Qualifier FL Units Must Use QTY02 380 Quantity X R 1/15				V loop is required to report the number of motors being summarized in	the				
Data Element SummaryRef.DataDes.ElementNameMand.QTY01673Quantity Qualifier FLMMust UseQTY02380QuantityXR 1/15					the				
Ref.DataDes.ElementNameMand.QTY01673Quantity Qualifier FLM ID 2/2Must UseQTY02380QuantityX R 1/15			QTY~FL	L~2 (indicates 2 Meters)					
Ref.DataDes.ElementNameMand.QTY01673Quantity Qualifier FLM ID 2/2Must UseQTY02380QuantityX R 1/15									
Mand.Des. QTY01Element 673Name Quantity Qualifier FLAttributes M ID 2/2Must UseQTY02380QuantityX R 1/15		ъ¢		Data Element Summary					
Mand.QTY01673Quantity Qualifier FLMID 2/2Must UseQTY02380QuantityXR 1/15				Nome					
FLUnitsMust UseQTY02380QuantityXR 1/15	Mand								
Must Use QTY02 380 Quantity X R 1/15	Mana.	QIYUI	0/3		D 2/2				
Contains the number of summarized meters in this loop.	Must Use	QTY02	380	Quantity X F	R 1/15				
				Contains the number of summarized meters in this loop.					

NY86/ Interval Usage	
So orrespectiv	QTY Quantity (Interval Position)
Segment:	
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.	Data
Des.	<u>Element</u> <u>Attributes</u>
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.

Sema	Segment: Position: Loop: Level: Usage: Max Use: Purpose: ntax Notes: ntic Notes: Comments:	140 QTY Detail Optional 1	T Monetary Amount (Back Out Credit) Optional (Must Use) (Dependent) ate the total monetary amount
	Notes:	Condition	nal
		and repre	
	Ref.	Data	Data Element Summary
Mand.	<u>Des.</u> AMT01	Element 522	NameAttributesAmount Qualifier CodeM ID 1/3
			ZT Prorated Amount
Mand.	AMT02	782	Back Out Credit amount reported in AMT02. 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:								
Usage:	Optional (Must Use)							
Max Use:								
Purpose:	To specify physical measurements or counts, including dimensions	s, tolerances, variances, and						
Syntax Natas	weights.	d						
Syntax Notes:	 At least one of MEA03 MEA05 MEA06 or MEA08 is require If MEA05 is present, then MEA04 is required. 	u.						
	3 If MEA06 is present, then MEA04 is required.							
	4 If MEA07 is present, then at least one of MEA03 MEA05 or N	AFA06 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 requiri							
	measurement where a positive (+) value cannot be assumed, u							
	value and MEA06 as the positive (+) value.							
Notes:	Required							
	Consumption shown with measurement type and daily peak period MEA~BR~PRQ~10101~KH~~~41 MEA~AN~PRQ~12.3~K1~~~51 MEA~BR~PRQ~11.4~K1~~~51 MEA~AN~PRQ~2.1~K1~~~41 MEA~AN~PRQ~7.3~K1~~~42 MEA~AN~PRQ~7.3~K1~~~43 MEA~AN~PRQ~750~KH~~~43 MEA~AN~PRQ~1275~KH~~~42 MEA~AN~PRQ~350~KH~~~43 MEA~AN~PRQ~600~HH	eak use emand and d demand d demand rded demand e oulder peak use						
Ref.	Data Element Summary Data							
Des.	Element Name	<u>Attributes</u>						
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		X R 1/20						
	Quantity of the consumption delivered for the service pe	1100.						

NY867 Inte	-	C 004	a			
Must Use	MEA04	C001	Composite Unit		X	
Mand.	C00101	355		r 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		
			ΤZ	Thousand Cubic Feet		
Cond	MEA07	935	Measurement S	ignificance Code	0	ID 2/2
				GAS, this element is not used.		
			41	Off Peak		
				For Consolidated Edison, this code will	be use	d to
				designate Small Time of Use Off Peak E		
			42	On Peak		
				For Consolidated Edison, this code will	be use	ed to
				designate Small Time of Day On Peak E		
			43	Intermediate	mergy	
			UT UT	Intermediate Peak		
			45	Per Gallon		•
			45	Summer On Peak		
			49	Mist		
			49	Winter On Peak		
			50			
			50	Predominant		
			5 1	Winter Mid Peak		
			51	Total		
				For Consolidated Edison, this code will		
				designate Total Energy or Total Billed D	Deman	d.
			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		
			07	Low Tension Off Peak Energy		
		-	88	Adjusted		
			00	Low Tension Total Energy		
			89	Allocated		
			07			
			00	Low Tension Primary Demand		
			90	Increasing		
				Low Tension Secondary Demand		
			91	Stable		
				Low Tension Transmission Demand		
			92	Declining		
				High Tension Total Energy		
			93	Previous		
NOCTU	0 (4010)			57		

94

High Tension Primary Demand Potential High Tension Transmission Demand

N 1867 Interv	vai Usage						
	Segment:	DTN	A Date/Time Reference (Report Period)				
	Position:	125	L Date, Thie Reference (Report Ferrou)				
	Loop:						
	Loop. Level:						
	Usage:		(Must Use)				
	Max Use:	1					
	Purpose:	1	fy pertinent dates and times				
Svn	tax Notes:		east one of DTM02 DTM03 or DTM05 is required.				
<i></i>			TM04 is present, then DTM03 is required.				
			her DTM05 or DTM06 is present, then the other is required.				
Seman	ntic Notes:						
С	omments:						
	Notes:	Required					
		DTM~58	32~20170104~1500~ES				
			Data Element Summary				
	Ref.	Data					
	Des.	<u>Element</u>	<u>Name</u> <u>Attributes</u>				
Mand.	DTM01	374	Date/Time Qualifier M ID 3/3				
			582 Service Period Start				
	DTMAA	252					
Must Use	DTM02	373	Date X DT 8/8 Report Period				
			The date/time of the end of the interval.				
Must Use	DTM03	337	Time X TM 4/8				
			Time expressed in 24-hour clock time as follows: HHMM				
			HHMM format				
Must Use	DTM04	623	Time Code O ID 2/2				
			Code identifying the time. In accordance with International Standards Organization standard 8601,				
			time can be specified by $a + or - and an indication in hours in relation to Universal TimeCoordinate (UTC) times since b is a restricted abstrates b and b are substituted by R and M in the$				
			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				

N 1807 Interv	val Usage		
	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 provi	de
		identifying data	
Synt	tax Notes:	 If either PTD02 or PTD03 is present, then the other is required. If either PTD04 or PTD05 is present, then the other is required. 	
Somon	tic Notes:	2 If entier F1D04 of F1D05 is present, then the other is required.	
	omments:		
C		Conditional	
	Notes:	Conditional	
		Provided when consumption is being requested by meter.	
		PM (Interval Meter Detail) Loop – intervals detail by meter.	
		(interval vieter Detail) E00p – intervals detail by inteer.	
		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.	
		quantity of consumption, incastrement unit, and reported period start and end dates.	
		PTD~PM~~~OZ~EL	
		Data Element Summary	
	Ref.	Data	
	Des.	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	

IN 1807 Interv	val Usage			
	a .	DEF		
	Segment:	NĽľ	Reference Identification (Meter Number)	
	Position:	030		
	Loop:	PTD	Mandatory	
	Level:	Detail	•	
	Usage:		(Must Use)	
	Max Use:	1	()	
	Purpose:		y identifying information	
Syn	tax Notes:		east one of REF02 or REF03 is required.	
Syn	lax notes.			
			her C04003 or C04004 is present, then the other is required.	
a			her C04005 or C04006 is present, then the other is required.	
	ntic Notes:	1 REF	04 contains data relating to the value cited in REF02.	
C	omments:			
	Notes:	Required		
		REF~MC	G~012345678	
			Data Element Summary	
	Ref.	Data		
	Des.	Element	Name	Attributes
Mand.	REF01	128	Reference Identification Qualifier	M ID 2/3
		120	MG Meter Number	
Must Use	REF02	127	Reference Identification	X AN 1/30
must ese		12/	Utility assigned meter number	

Synt	Segment: Position: Loop: Level: Usage: Max Use: Purpose: cax Notes: tic Notes: omments: Notes:	030 PTD Detail Optional 1 To specifi 1 At le 2 If eit 3 If eit 1 REF Required REF~NH	
			Data Element Summary
	Ref.	Data	
	Des.	Element	Name <u>Attributes</u>
Mand.	REF01	128	Reference Identification QualifierMID 2/3NHRate Card Number
			REF02 contains the Utility specific rate code that
			references the service class and rates applicable to this
Must Use	REF02	127	service delivery point. 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.)

IN 1807 Interv	val Usage		
	Segment:	REF	Reference Identification (Rate Sub Class)
	Position:	030	Keterence fuctuation (Kate Sub Class)
		PTD	Mandatam
	Loop: Level:	Detail	Mandatory
	Usage:		(Dependent)
	Max Use:	1	(Dependent)
	Purpose:	-	y identifying information
Syn	tax Notes:		east one of REF02 or REF03 is required.
byn	tux i totes.		her C04003 or C04004 is present, then the other is required.
			her C04005 or C04006 is present, then the other is required.
Semar	ntic Notes:		04 contains data relating to the value cited in REF02.
	omments:		
	Notes:	Condition	nal
		REF~PR	~RSVD
		REF~PR	~NRSVD
			Data Element Summary
	Ref.	Data	
	Des.	<u>Element</u>	<u>Name</u> <u>Attributes</u>
Mand.	REF01	128	Reference Identification Qualifier M ID 2/3
			PR Price Quote Number
			Utility Rate Subclass - Used to provide further
	DEEAA	105	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.
			KEFUI=NII.

Segme	nt: REF	Reference Identification (Interval Reading Period)
Positio Loo Lev Usag Max Us Purpos Syntax Note Semantic Note Commen Note	n: 030 p: PTD el: Detail ge: Optional ge: 1 se: To specification 2 If eitant 3 If eitant 4 REF 2 Se: Condition REF~MT	Mandatory (Dependent) Ty identifying information ast one of REF02 or REF03 is required. her C04003 or C04004 is present, then the other is required. her C04005 or C04006 is present, then the other is required. 04 contains data relating to the value cited in REF02.
Ref. <u>Des.</u> Mand. REF(Data <u>Element</u>	Name Attributes Reference Identification Qualifier M ID 2/3 MT Meter Ticket Number Interval Reading Period.
Must Use REF	02 127	Reference IdentificationX AN 1/30Provides 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 Kilovalt Amperes Reactive Hour (kVARH) K4 Kilowatt Hour (kWh) HH Hundred Cubic Feet (CCF) TZ Thousand Cubic Feet (MCF) TD ThermsThe 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 Use001-999 - Reporting Intervals (e.g. 015 indicates 15 minute intervals, 060 indicates 60 minute intervals, etc.)For example:

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

NY86/Inter	val Usage		
	c ,	DTI	Date/Time Reference (Period Start Date)
	Segment:		Date/Time Reference (Period Start Date)
	Position:	070	
	Loop:	PTD	Optional (Must Use)
	Level:	Detail	
	Usage:	Optional	(Must Use)
	Max Use:	1	
	Purpose:	-	fy pertinent dates and times
Sun	tax Notes:		east one of DTM02 DTM03 or DTM05 is required.
Syn	lax notes.		
			TM04 is present, then DTM03 is required.
G		3 If eit	ther DTM05 or DTM06 is present, then the other is required.
	ntic Notes:		
C	comments:		
	Notes:	Required	
		DTM~15	50~20060315
			Data Element Summary
	Ref.	Data	
	Des.	Element	<u>Name</u> <u>Attributes</u>
Mand.	DTM01	374	Date/Time Qualifier M ID 3/3
iviunu.	DIMOI	0/4	150 Service Period Start
Must Use	DTM02	373	Date X DT 8/8
Must Osc	D111102	515	Start date of the period reported in the current QTY loop in the form
			CCYYMMDD.
		*	

NY86/Inter	val Usage		
	G	DTN	Date/Time Reference (Period End Date)
	Segment:		L Date/Time Reference (Period End Date)
	Position:	070	
	Loop:	PTD	Optional (Must Use)
	Level:	Detail	
	Usage:	Optional	(Must Use)
	Max Use:	1	
	Purpose:		fy pertinent dates and times
Syn	tax Notes:	1 At le	east one of DTM02 DTM03 or DTM05 is required.
		2 If D'	TM04 is present, then DTM03 is required.
		3 If eit	ther DTM05 or DTM06 is present, then the other is required.
Semai	ntic Notes:		
C	comments:		
	Notes:	Required	
		1	
		DTM~15	51~20060415
			Data Element Summary
	Ref.	Data	
	Des.	Element	Name <u>Attributes</u>
Mand.	DTM01	374	Date/Time Qualifier M ID 3/3
	211101		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.
		-	

IN 1807 Inter	vai Osage		
	a (ОТУ	Quantity (Number of Meters)
	Segment:		L Quantity (Number of Meters)
	Position:	110	
	Loop:	QTY	Optional (Must Use)
	Level:	Detail	
	Usage:	Optional	(Must Use)
	Max Use:	1	
	Purpose:	To specif	fy quantity information.
Syn	tax Notes:		east one of QTY02 or QTY04 is required.
-			one of QTY02 or QTY04 may be present.
Semar	ntic Notes:	1 QTY	704 is used when the quantity is non-numeric.
С	omments:		
	Notes:	Required	
		-	
		OTY~FL	$\sim 1 = 1$ Meter
		X ····	
			Data Element Summary
	Ref.	Data	
	Des.	<u>Element</u>	Name Attributes
Mand.	QTY01	<u>673</u>	Quantity Qualifier M ID 2/2
Manu.	QIIOI	075	FL Units
Must Use	QTY02	380	Quantity X R 1/15
must ese	21102	200	Default to 1.

QTY Quantity (Meter Position)
125
QTY Optional (Must Use)
Detail
Optional (Must Use)
>1
To specify quantity information. A separate Quantity loop is used for each register or
measurement type being summarized.
1 At least one of QTY02 or QTY04 is required.
2 Only one of QTY02 or QTY04 may be present.
1 QTY04 is used when the quantity is non-numeric.
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
Data
Element Name <u>Attributes</u>
673 Quantity Qualifier M ID 2/2
QP Interval Count
380 Quantity X R 1/15
Contains the number of summarized meters in this loop.

Segment: Position: Loop: Level: Usage: Max Use: Purpose: Syntax Notes: Semantic Notes: Comments: Notes:		140 QTY Detail Optional 1	T Monetary Amount (Back Out Credit) Optional (Must Use) (Dependent) ate the total monetary amount
		Condition	nal
		and repre adjustme AMT~ZT	
		AMT~Z	Γ~0.00
	D - 6	D-4	Data Element Summary
Mand.	Ref. <u>Des.</u> AMT01	Data <u>Element</u> 522	NameAttributesAmount Qualifier CodeM ID 1/3ZTProrated Amount
Mand.	AMT02	782	Back Out Credit amount reported in AMT02. 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).

NY86/Interv	al Usage						
	Segment:	ME	A Measurements				
	Position:	160					
	Loop:	QTY	Optional (Must Us	e)			
	Level:	Detail	Optional (Musi Os	0)			
	Usage:		l (Must Use)				
	Max Use:	40	r (Must 030)				
	Purpose:		ify physical measure	ments or cou	nts, including dimensions	toleranc	es variances and
	i uipose.		(See Figures Appen			, toterune	es, variances, and
Synt	tax Notes:				A06 or MEA08 is required	1	
2,511			IEA05 is present, the				
			IEA06 is present, the				
					e of MEA03 MEA05 or N	IEA06 is	required.
			y one of MEA08 or 1			••••	
Seman	tic Notes:	•			for MEA03, MEA05, and	MEA06.	
Comments: 1 When citing dimensional tolerances, any measurement requiring a sign (+ or -), or any						(+ or -), or any	
					lue cannot be assumed, us		
			ie and MEA06 as the				
	Notes:	Conditio	onal				
		should co MEA~B MEA~A MEA~A MEA~A MEA~A MEA~A MEA~A MEA~A MEA~E	contain "BR". R~PRQ~10101~KH N~PRQ~12.3~K1~~ R~PRQ~11.4~K1~~ N~PRQ~2.1~K1~~~ N~PRQ~7.3~K1~~~ N~PRQ~3~K1~~~4 N~PRQ~750~KH~~ N~PRQ~1275~KH~ N~PRQ~350~KH~~ N~PRQ~600~HH	41 < 51 < 41 < 42 < 41 < 42 < 42 <	10101 kWh billed off pe 12.3 kW total recorded de 11.4 kW total billed dema 2.1 kW off peak recorded 3 kW shoulder peak record 3 kW shoulder peak record 750 kWh off peak use 1275 kWh on peak use 350 kWh estimated sho c600 ccf gas, total actual	ak use emand and d demand demand rded dema pulder pea	and ak use
	Ref.	Data					
	Des.	Element					<u>ributes</u>
Must Use	MEA01	737	Measurement Ref		Code	0	ID 2/2
			AN	Work			
				Period Ac			
			BR	Billed His			
					when actual or estimated of	consumpt	ion is not
				available.			
			EN		ental Conditions		
	MEADO	720		Period Est	timated	0	ID 1/2
Must Use	MEA02	738	Measurement Qu		anortable Quantity	0	ID 1/3
			PRQ	Consumpt	eportable Quantity		
Must Use	MEA03	739	Measurement Va	1		X	R 1/20
must Use	MILAUJ	~ 37			elivered for the service per		N 1/20
			Quality of the col	asampuon u	inverse for the service per	100.	

NY867 Interv	al Usage					
Must Use	MEA04	C001	Composite Unit of	'Measure	Х	
Mand.	C00101	355		Aeasurement Code	M	ID 2/2
Manu.	C00101	555	HH	Hundred Cubic Feet	141	10 2/2
			1111	ccf		
			K1	Kilowatt Demand		
			K1 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 Sign		0	ID 2/2
				AS, this element is not used.		
			41	Off Peak		
				For Consolidated Edison, this code will		
				designate Small Time of Use Off Peak	Energ	у.
			42	On Peak		
				For Consolidated Edison, this code will	be us	ed to
				designate Small Time of Day On Peak	Energ	у.
			43	Intermediate	0	
				Intermediate Peak		
			45	Per Gallon		•
				Summer On Peak		
			49	Mist		
			12	Winter On Peak		
			50	Predominant		
			50	Winter Mid Peak		
			51			
			51	Total	1	
				For Consolidated Edison, this code will		
				designate Total Energy or Total Billed	Dema	na.
			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		
			07	Low Tension Off Peak Energy		
			88			
			00	Adjusted		
			20	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	
Position:125Loop:QTYOptional (Must Use)Level:DetailUsage:Optional (Must Use)	
Loop:QTYOptional (Must Use)Level:DetailUsage:Optional (Must Use)	
Level: Detail Usage: Optional (Must Use)	
Usage: Optional (Must Use)	
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	
Tous: Toquito	
DTM~582~20170104~1500~ES	
Data Element Summary	
Ref. Data	
Des. <u>Element Name</u> Attri	<u>ibutes</u>
Mand. DTM01 374 Date/Time Qualifier M	ID 3/3
582 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	m
CCYYMMDD.	
Start date of the period reported in the current QTY loop in the form	m
CCYYMMDD.	
Must Use DTM03 337 Time X 7	TM 4/8
Time expressed in 24-hour clock time as follows: HHMM	
HHMM format	
Must Use DTM04 623 Time Code O	ID 2/2
Code identifying the time. In accordance with International Standards Organization	standard 8601,
Code identifying the time. In accordance with International Standards Organization time can be specified by $a + or - and an$ indication in hours in relation to Universal	standard 8601, Time
Code identifying the time. In accordance with International Standards Organization time can be specified by $a + or - and an$ indication in hours in relation to Universal Coordinate (UTC) time; since + is a restricted character, + and – are substituted by I	standard 8601, Time
Code identifying the time. In accordance with International Standards Organization time can be specified by $a + or - and an indication in hours in relation to Universal Coordinate (UTC) time; since + is a restricted character, + and – are substituted by I codes that follow$	a standard 8601, Time P and M in the
Code identifying the time. In accordance with International Standards Organization time can be specified by a + or – and an indication in hours in relation to Universal Coordinate (UTC) time; since + is a restricted character, + and – are substituted by I codes that follow The time code must accurately provide the time zone when the day	standard 8601, Time P and M in the light savings
Code identifying the time. In accordance with International Standards Organization time can be specified by a + or – and an indication in hours in relation to Universal Coordinate (UTC) time; since + is a restricted character, + and – are substituted by I codes that follow The time code must accurately provide the time zone when the day time starts and ends if the meter is adjusted for daylight savings time	standard 8601, Time P and M in the /light savings ne. If meter
Code identifying the time. In accordance with International Standards Organization time can be specified by a + or – and an indication in hours in relation to Universal Coordinate (UTC) time; since + is a restricted character, + and – are substituted by I codes that follow The time code must accurately provide the time zone when the day time starts and ends if the meter is adjusted for daylight savings time is not adjusted for daylight savings time, the time code will always	standard 8601, Time P and M in the /light savings ne. If meter s reflect
Code identifying the time. In accordance with International Standards Organization time can be specified by a + or – and an indication in hours in relation to Universal Coordinate (UTC) time; since + is a restricted character, + and – are substituted by I codes that follow The time code must accurately provide the time zone when the day time starts and ends if the meter is adjusted for daylight savings time is not adjusted for daylight savings time, the time code will always Eastern Daylight Time which will be interpreted as prevailing time	standard 8601, Time P and M in the /light savings ne. If meter s reflect
Code identifying the time. In accordance with International Standards Organization time can be specified by a + or – and an indication in hours in relation to Universal Coordinate (UTC) time; since + is a restricted character, + and – are substituted by I codes that follow The time code must accurately provide the time zone when the day time starts and ends if the meter is adjusted for daylight savings tim is not adjusted for daylight savings time, the time code will always Eastern Daylight Time which will be interpreted as prevailing time ED Eastern Daylight Time	standard 8601, Time P and M in the /light savings ne. If meter s reflect
Code identifying the time. In accordance with International Standards Organization time can be specified by a + or – and an indication in hours in relation to Universal Coordinate (UTC) time; since + is a restricted character, + and – are substituted by I codes that follow The time code must accurately provide the time zone when the day time starts and ends if the meter is adjusted for daylight savings time is not adjusted for daylight savings time, the time code will always Eastern Daylight Time which will be interpreted as prevailing time	standard 8601, Time P and M in the /light savings ne. If meter s reflect
Code identifying the time. In accordance with International Standards Organization time can be specified by a + or – and an indication in hours in relation to Universal Coordinate (UTC) time; since + is a restricted character, + and – are substituted by I codes that follow The time code must accurately provide the time zone when the day time starts and ends if the meter is adjusted for daylight savings tim is not adjusted for daylight savings time, the time code will always Eastern Daylight Time which will be interpreted as prevailing time ED Eastern Daylight Time	standard 8601, Time P and M in the /light savings ne. If meter s reflect
Code identifying the time. In accordance with International Standards Organization time can be specified by a + or – and an indication in hours in relation to Universal Coordinate (UTC) time; since + is a restricted character, + and – are substituted by I codes that follow The time code must accurately provide the time zone when the day time starts and ends if the meter is adjusted for daylight savings tim is not adjusted for daylight savings time, the time code will always Eastern Daylight Time which will be interpreted as prevailing time ED Eastern Daylight Time	standard 8601, Time P and M in the /light savings ne. If meter s reflect
Code identifying the time. In accordance with International Standards Organization time can be specified by a + or – and an indication in hours in relation to Universal Coordinate (UTC) time; since + is a restricted character, + and – are substituted by I codes that follow The time code must accurately provide the time zone when the day time starts and ends if the meter is adjusted for daylight savings tim is not adjusted for daylight savings time, the time code will always Eastern Daylight Time which will be interpreted as prevailing time ED Eastern Daylight Time	standard 8601, Time P and M in the /light savings ne. If meter s reflect
Code identifying the time. In accordance with International Standards Organization time can be specified by a + or – and an indication in hours in relation to Universal Coordinate (UTC) time; since + is a restricted character, + and – are substituted by I codes that follow The time code must accurately provide the time zone when the day time starts and ends if the meter is adjusted for daylight savings tim is not adjusted for daylight savings time, the time code will always Eastern Daylight Time which will be interpreted as prevailing time ED Eastern Daylight Time	standard 8601, Time P and M in the /light savings ne. If meter s reflect
Code identifying the time. In accordance with International Standards Organization time can be specified by a + or – and an indication in hours in relation to Universal Coordinate (UTC) time; since + is a restricted character, + and – are substituted by I codes that follow The time code must accurately provide the time zone when the day time starts and ends if the meter is adjusted for daylight savings tim is not adjusted for daylight savings time, the time code will always Eastern Daylight Time which will be interpreted as prevailing time ED Eastern Daylight Time	standard 8601, Time P and M in the /light savings ne. If meter s reflect
Code identifying the time. In accordance with International Standards Organization time can be specified by a + or – and an indication in hours in relation to Universal Coordinate (UTC) time; since + is a restricted character, + and – are substituted by I codes that follow The time code must accurately provide the time zone when the day time starts and ends if the meter is adjusted for daylight savings tim is not adjusted for daylight savings time, the time code will always Eastern Daylight Time which will be interpreted as prevailing time ED Eastern Daylight Time	standard 8601, Time P and M in the /light savings ne. If meter s reflect

N 1 807 Inte	ervar Usage					
	Segment:	SE T	ransaction Set Trailer			
	Position:	030				
	Loop:	050				
	Level:	Summary				
	Usage:	Mandatory				
	Max Use:	1				
	Purpose:	To indicate the end of the transaction set and provide the count of the transmitted segments				
		(includin	g the beginning (ST) and ending (SE) segments)			
Sy	ntax Notes:					
	antic Notes:	1 00.1				
	Comments:		s the last segment of each transaction set.			
	Notes:	Required				
		SE~15~0	001			
	D.f	D - 4 -	Data Element Summary			
	Ref. <u>Des.</u>	Data <u>Element</u>	Name Attributes			
Mand.	<u>Des.</u> SE01	<u>121ement</u> 96	Number of Included Segments M N0 1/10			
Mand.	SE01 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 <u>TS867 Interval Usage</u>, it should be understood that these examples reflect certain assumptions regarding optional and conditional data segments in this standard. Accordingly, these examples are not necessarily indicative of the manner in which a specific Utility or ESCO would map a specific transaction.

Example 1 - For multimeter

ST*867*1~ BPT*00*40000000000000161223161222E00*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*4000000000000~

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*888888888 REF*NH*116~ REF*PR*LO N 53~ QTY*FL*1~ **MEA*AN*PRQ*45*KH***42~** DTM*150*20161121~ DTM*151*20161222~

PTD*BQ***OZ*EL~

REF*MG*999999999 REF*NH*116~ REF*PR*LO N 53~ QTY*FL*1~ **MEA*AN*PRQ*89*KH***41~** DTM*150*20161121~ DTM*151*20161222~

PTD*SU***OZ*EL-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*KH***51~ (total KH at the account level for the first 15 minutes) DTM*582*20161222*0015*ES~

QTY*QP*2~ **MEA*AN*PRQ*20*KH***51~ (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*88888888~ (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*KH***42~* DTM*582*20161222*0015*ES~

QTY*QP*2~ (interval position) *MEA*AN*PRQ*10*KH***42~* 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*99999999~ (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*KH***41~* DTM*582*20161222*0015*ES~

QTY*QP*2~ (interval position) *MEA*AN*PRQ*10*KH***41*~ DTM*582*20161222*0030*ES~

... Continued until end of period

SE*1*1~

. . .