# New York Implementation Standard

## For **Standard Electronic Transactions**

TRANSACTION SET

**867** Monthly Interval Usage

Ver/Rel 004010

October 31, 2017 Version 1.1

	Summary of Changes
March 31, 2017	Version 1.0
	Initial Release
October 31, 2017	Version 1.1
	• Inclusion of changes to address errata since filing of Version 1.0 including
	re-ordering of segments and corresponding changes to Table of Contents.

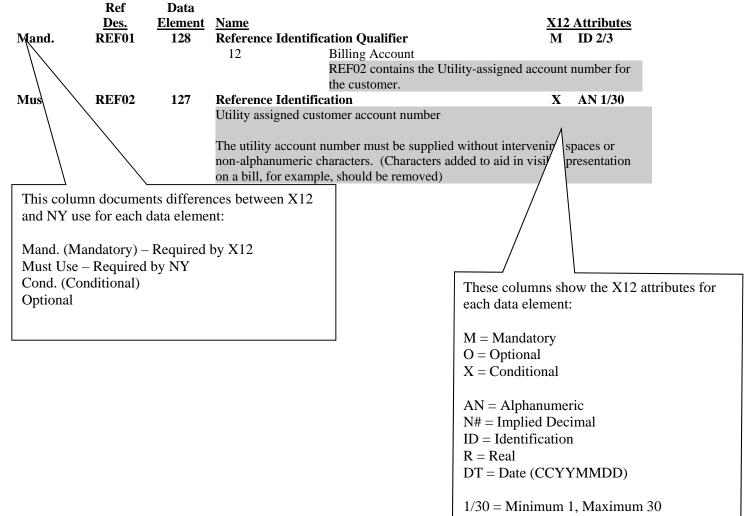
	Notes pertaining to the use of this document
Purpose	<ul> <li>This implementation guide describes the format and content for an 867 transaction containing interval usage data by account. This transaction will be sent to the ESCO of record, subsequent to enrollment.</li> <li>The 867 Interval Usage Transaction 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.</li> </ul>
	• Release 1.0 will be supported by Consolidated Edison and Orange & Rockland. References to Utility Maintained EDI Guides are placeholders; for the purpose of this release it should be presumed that these utilities are exercising the option provided in the note. For example, that note "If it is possible to have an interval and non-interval meter on the same account within its service territory, the utility will specify such in its Utility Maintained EDI Guide" should be read as "Con Ed may have interval and non-interval meters on the same account".
	• The will not be a separate Business Process document for this transaction; it will be addressed as a sub-process in the 814MU Business Process document.

#### Implementation Guideline Field Descriptions

Segment: Position: Loop:	<b>REF</b> Reference Identification (Utility Customer Account Number) 050	This section shows the X12 Rules for this segment but the Usage and Max Use fields will
Level: Usage: Max Use: Purpose: Syntax Notes: Semantic Notes: Comments:	<ul> <li>Heading</li> <li>Optional (Must Use)</li> <li>1</li> <li>To specify identifying information</li> <li>1 At least one of REF02 or REF03 is required.</li> <li>2 If either C04003 or C04004 is present, then the other is required.</li> <li>3 If either C04005 or C04006 is present, then the other is required.</li> <li>1 REF04 contains data relating to the value cited in REF02</li> </ul>	also reflect NY rules. For Usage, 'Optional (Must Use)' means that this segment is Optional for X12, but is required in NY. The gray boxes below should also be reviewed for additional NY Rules.

Notes:	Required The Utility account number assigned to the customer is used for validation and must be present on all transactions.	}	This section displays the NY Rules for implementation of this segment.
One or more example	s. ~12~011231287654398	}	

#### **Data Element Summary**



#### NY867 Monthly 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>	Pos. <u>No.</u>	Seg. <u>ID</u>	Name	Req. <u>Des.</u>	Max.Use	Loop <u>Repeat</u>	Notes and <u>Comments</u>
4	010	ST	Transaction Set Header	Μ	1		
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 Account Number)	0	1		
13	120	REF	Reference Identification (Utility Account Number)	0	1		
14	120	REF	Reference Identification (Previous Utility Account Number)	0	1		
15	120	REF	Reference Identification (Bill Option)	0	1		

#### **Detail:**

Page <u>No.</u>	Pos. <u>No.</u>	Seg. <u>ID</u>	Name	Req. Des.	Max.Use	Loop Repeat	Notes and Comments
1101	1101		LOOP ID - PTD	Dest	111111050	>1	Comments
16	010	PTD	Product Transfer and Resale Detail	М	1		
			(Metered Consumption Summary)				
17	030	REF	Reference Identification (Utility Rate	0	1		
			Service Class)				
18	030	REF	Reference Identification (Rate Sub Class)	0	1		
			LOOP ID - QTY			>1	
19	110	QTY	Quantity (Number of Meters)	0	1		
20	140	AMT	Monetary Amount (Back Out Credit)	0	1		
21	160	MEA	Measurements	0	40		
24	210	DTM	Date/Time Reference (Period Start Date)	0	1		
25	210	DTM	Date/Time Reference (Period End Date)	0	1		

NY867 M	onthly I	Interval U	sage				
	-		LOOP ID - PTD			>1	
26	010	PTD	Product Transfer and Resale Detail (Un-	М	1		
			metered Consumption)				
27	030	REF	Reference Identification (Utility Rate	0	1		
			Service Class)				
28	030	REF	Reference Identification (Rate Sub Class)	0	1		
20	050	IXL1	LOOP ID - QTY	0	1	>1	
29	110	OTV	Quantity (Number of Meters)	0	1	>1	
29 30	110	QTY AMT			1		
	140		Monetary Amount (Back Out Credit)	0	-		
31	160	MEA	Measurements	0	40		
32	210	DTM	Date/Time Reference (Period Start Date)	0	1		
33	210	DTM	Date/Time Reference (Period End Date)	0	1		
			LOOP ID - PTD			>1	
34	010	PTD	Product Transfer and Resale Detail	М	1		
			(Metered Consumption Detail)				
35	030	REF	Reference Identification (Meter Number)	0	1		
36	030	REF	Reference Identification (Utility Rate	Õ	1		
50	000	REA	Service Class)	U	1		
37	030	REF	Reference Identification (Rate Sub Class)	0	1		
57	030	KLI	LOOP ID - QTY	0	1	>1	
20	110	OTV		0	1	>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		
			LOOP ID - PTD			>1	
45	010	PTD	Product Transfer and Resale Detail	М	1		
15	010	110	(Interval Usage Summary – Account	101	1		
			Level)				
46	020	DTM	Date/Time Reference (Period Start Date)	0	1		
40 47	020	DTM	Date/Time Reference (Period Start Date)	0 0	1		
48	030	REF	Reference Identification (Utility Rate	0	1		
10	020	DEE	Service Class)	0	1		
49 50	030	REF	Reference Identification (Rate Sub Class)	0	1		
50	030	REF	Reference Identification (Interval Reading	0	1		
			Period)				
			LOOP ID - QTY			>1	
51	110	QTY	Quantity (Interval Quantity - Account	0	1		
			Level)				
52	210	DTM	Date/Time Reference (Report Period)	0	1		
			LOOP ID – PTD			>1	
53	010	PTD	Product Transfer and Resale Detail	М	1	21	
55	010	TID	(Interval Meter Detail)	IVI	1		
51	020	DTM	· · · · · · · · · · · · · · · · · · ·	0	1		
54	020	DTM	Date/Time Reference (Period Start Date)	0	1		
55	020	DTM	Date/Time Reference (Period End Date)	0	1		
56	030	REF	Reference Identification (Meter Number)	0	1		
57	030	REF	Reference Identification (Utility Rate	0	1		
			Service Class)	-			
58	030	REF	Reference Identification (Rate Sub Class)	0	1		
59	030	REF	Reference Identification (Interval Reading	0	1		
			Period)				
			LOOP ID – QTY			>1	
60	110	QTY	Quantity (Interval Quantity- Meter Level)	0	1		
61	210	DTM	Date/Time Reference (Report Period)	0	1		
01	210	DIM	Date This Reference (Report Ferrou)	U	1		

## NY867 Monthly Interval Usage **Summary:**

Page	Pos.	Seg.		Req.		Loop	Notes and
<u>No.</u>	<u>No.</u>	<u>ID</u>	<u>Name</u>	Des.	Max.Use	<u>Repeat</u>	<b>Comments</b>
62	030	SE	Transaction Set Trailer	Μ	1		
E-1			Examples				

	Segment:	ST T	ransaction Set Header		
	<b>Position:</b>	010			
	Loop:				
	Level:	Heading			
	Usage:	Mandato	ry		
	Max Use:	1			
	Purpose:	To indica	ate the start of a transaction set and to assign a control number		
Sy	ntax Notes:		ç		
•	ntic Notes:	parti	transaction set identifier (ST01) is used by the translation rout ners to select the appropriate transaction set definition (e.g., 81 isoaction Set).		-
	Comments:		,		
	Notes:	Required	1		
		*			
		ST~867~	-0000001		
			Data Element Summary		
	Ref.	Data			
	Des.	<u>Element</u>	Name	Attı	<u>ributes</u>
Mand.	<b>ST01</b>	143	Transaction Set Identifier Code	Μ	ID 3/3
			867 Product Transfer and Resale Report		
Mand.	ST02	329	Transaction Set Control Number	Μ	AN 4/9
			This control number uniquely identifies the transaction set de and its corresponding SE segment within a functional group.		ed by this ST
			and its corresponding 52 segment within a functional group.		

Syn Seman	Segment: Position: Loop: Level: Usage: Max Use: Purpose: tax Notes: tax Notes: tic Notes:	020 Heading Mandato 1 To indica identifyin 1 If ei 1 BPT 2 BPT 3 BPT 4 BPT Required	ry ate the beginning of t ng data ther BPT05 or BPT00 '02 identifies the tran '03 identifies the tran '08 identifies the tran '09 is used when it is	sfer/resale date. sfer/resale time. necessary to reference a Previous Report			ansmit
			Data I	Flow out Summour			
	Ref.	Data	Data I	Element Summary			
	Des.	<u>Element</u>	<u>Name</u>		Attr	<u>ibutes</u>	
Mand.	BPT01	353	Transaction Set P		Μ	ID 2/2	
			00	Original			
				Conveys original readings for the account	int bei	ng	
			01	reported. Cancellation			
			01	Indicates that the readings previously re	eporte	d for the	
				account are to be ignored.	oporte	a for the	
Must Use	BPT02	127	<b>Reference Identifie</b>		0	AN 1/30	
			-	on identification number assigned by the o	origina	tor of this	
				imber should be unique over time.			
Mand.	BPT03	373	Date		Μ	DT 8/8	
			Date Expressed as (	CCYYMMDD.			
			Transaction Creation	on Date. This is the date that the transaction	n waa	created by	
			the sender's applica		JII waa	s created by	
Cond	BPT04	755	Report Type Code		0	ID 2/2	
				e title or contents of a document, report or	suppo	orting item.	
			C1	Cost Data Summary			
				Indicates transaction is an Interval Data	a trans	action.	
			DR	Datalog Report			
				Indicates transaction contains some cor	nbinat	ion of	
				Interval, Monthly, and/or Unmetered D	ata.		
Cond	BPT07	306	Action Code		0	ID 1/2	
			F	Final	ntion	for an	
				Used only when reporting final consum account when the customer account is f	-		
				utility.	inar w		
Cond	<b>BPT09</b>	127	<b>Reference Identifi</b>		0	AN 1/30	
				this element should contain the transaction	on ider		
			number sent in BPT	Γ02 in the transaction that is being cancel	led.		

	Segment:	DTN	<b>Date/Time Reference</b> (Next Meter Read Date)	
	<b>Position:</b>	050		
	Loop:			
	Level:	Heading		
	Usage:	Optional		
	Max Use:	1		
	Purpose:	To speci	fy pertinent dates and times	
Synt	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 ei	ther DTM05 or DTM06 is present, then the other is required.	
Seman	tic Notes:			
C	omments:			
	Notes:	Optional		
		DTM~63	34~20061203	
			~	
	D C		Data Element Summary	
	Ref.	Data	N	A • <b>1</b>
	Des.	<u>Element</u>	<u>Name</u>	<u>Attributes</u>
Mand.	DTM01	374	Date/Time Qualifier	M ID 3/3
			634 Next Review Date	
<b>N</b> <i>G</i> ( <b>T</b> )		252	Next Meter Read Date	V DT 0/0
Must Use	DTM02	373	Date	X DT 8/8
			The date of the next scheduled meter read in the form CCYY	MMDD.

101007 111011	thly interval U	0		
	Segment:	N1 N	ame (ESCO)	
	<b>Position:</b>	080		
	Loop:	N1 (	Optional (Must Use)	
	Level:	Heading		
	Usage:	Optional	(Must Use)	
	Max Use:	1		
	<b>Purpose:</b>	To identi	ify a party by type of organization, name, and cod	le
Syn	tax Notes:		east one of N102 or N103 is required.	
-		2 If eit	ther N103 or N104 is present, then the other is rea	quired.
Seman	ntic Notes:			•
C	comments:		segment, used alone, provides the most efficient tification. To obtain this efficiency the "ID Code"	
			ntained by the transaction processing party.	() F
			5 and N106 further define the type of entity in N	101.
	Notes:	Required		
		. 1		
		N1~SJ~~	~24~123456789	
			Data Element Summary	
	Ref.	D-4-		
	KCI.	Data		
	Des.	Data <u>Element</u>	Name	Attributes
Mand.			Entity Identifier Code	<u>Attributes</u> M ID 2/3
Mand.	Des.	<b>Element</b>	Entity Identifier CodeSJService Provider	M ID 2/3
Mand.	<u>Des.</u> N101	Element 98	Entity Identifier Code           SJ         Service Provider           Identifies the ESCO partic	M ID 2/3 ipating in this transaction.
Mand.	Des.	<b>Element</b>	Entity Identifier Code         SJ       Service Provider         Identifies the ESCO partic         Name	M ID 2/3
Mand.	<u>Des.</u> N101	Element 98	Entity Identifier Code           SJ         Service Provider           Identifies the ESCO partic	M ID 2/3 ipating in this transaction.
Mand.	<u>Des.</u> N101	Element 98	Entity Identifier Code         SJ       Service Provider         Identifies the ESCO partic         Name         Free Form ESCO Company Name	M ID 2/3 ipating in this transaction. X AN 1/60
Mand.	<u>Des.</u> N101	Element 98	Entity Identifier Code         SJ       Service Provider         Identifies the ESCO partic         Name         Free Form ESCO Company Name         Supplemental text information supplied, if desir	M ID 2/3 ipating in this transaction. X AN 1/60 red, to provide "eyeball"
Mand.	<u>Des.</u> N101	Element 98	Entity Identifier Code         SJ       Service Provider         Identifies the ESCO partic         Name         Free Form ESCO Company Name         Supplemental text information supplied, if desiried         identification of the ESCO. It is not necessary for the estimation of the ESCO.	M ID 2/3 ipating in this transaction. X AN 1/60 red, to provide "eyeball" for successful completion of the
Mand.	<u>Des.</u> N101	Element 98	Entity Identifier Code         SJ       Service Provider         Identifies the ESCO partic         Name         Free Form ESCO Company Name         Supplemental text information supplied, if desiried         identification of the ESCO. It is not necessary for transaction but may be provided by mutual agree	M ID 2/3 ipating in this transaction. X AN 1/60 red, to provide "eyeball" for successful completion of the
Mand.	<u>Des.</u> N101	Element 98	Entity Identifier Code         SJ       Service Provider         Identifies the ESCO partic         Name         Free Form ESCO Company Name         Supplemental text information supplied, if desiried         identification of the ESCO. It is not necessary for the estimation of the ESCO.	M ID 2/3 ipating in this transaction. X AN 1/60 red, to provide "eyeball" for successful completion of the
	<u>Des.</u> N101 N102	Element 98 93	Entity Identifier Code         SJ       Service Provider         Identifies the ESCO partic         Name         Free Form ESCO Company Name         Supplemental text information supplied, if desiridentification of the ESCO. It is not necessary for transaction but may be provided by mutual agree partners.	M ID 2/3 ipating in this transaction. X AN 1/60 red, to provide "eyeball" for successful completion of the eement between trading
Mand. Must Use	<u>Des.</u> N101	Element 98	Entity Identifier Code         SJ       Service Provider         Identifies the ESCO partic         Name         Free Form ESCO Company Name         Supplemental text information supplied, if desiridentification of the ESCO. It is not necessary for transaction but may be provided by mutual agree partners.         Identification Code Qualifier	M ID 2/3 ipating in this transaction. X AN 1/60 red, to provide "eyeball" for successful completion of the eement between trading X ID 1/2
	<u>Des.</u> N101 N102	Element 98 93	Entity Identifier Code         SJ       Service Provider         Identifies the ESCO partic         Name         Free Form ESCO Company Name         Supplemental text information supplied, if desiridentification of the ESCO. It is not necessary for transaction but may be provided by mutual agree partners.         Identification Code Qualifier         1       D-U-N-S Number, Dun &	M ID 2/3 ipating in this transaction. X AN 1/60 red, to provide "eyeball" for successful completion of the sement between trading X ID 1/2 Bradstreet
	<u>Des.</u> N101 N102	Element 98 93	Entity Identifier Code         SJ       Service Provider         Identifies the ESCO partic         Name         Free Form ESCO Company Name         Supplemental text information supplied, if desiridentification of the ESCO. It is not necessary for transaction but may be provided by mutual agree partners.         Identification Code Qualifier         1       D-U-N-S Number, Dun & 9         9       D-U-N-S Number, Dun & Number, Dun & 10	M ID 2/3 ipating in this transaction. X AN 1/60 red, to provide "eyeball" for successful completion of the sement between trading X ID 1/2 Bradstreet
	<u>Des.</u> N101 N102	Element 98 93	Entity Identifier Code         SJ       Service Provider         Identifies the ESCO partic         Name         Free Form ESCO Company Name         Supplemental text information supplied, if desiridentification of the ESCO. It is not necessary for transaction but may be provided by mutual agree partners.         Identification Code Qualifier         1       D-U-N-S Number, Dun &         9       D-U-N-S+4, D-U-N-S Number, Suffix	M       ID 2/3         ipating in this transaction.       X         X       AN 1/60         red, to provide "eyeball"         for successful completion of the         eement between trading         X       ID 1/2         Bradstreet         mber with Four Character
	<u>Des.</u> N101 N102	Element 98 93	Entity Identifier Code         SJ       Service Provider         Identifies the ESCO partic         Name         Free Form ESCO Company Name         Supplemental text information supplied, if desiridentification of the ESCO. It is not necessary for transaction but may be provided by mutual agree partners.         Identification Code Qualifier         1       D-U-N-S Number, Dun &         9       D-U-N-S+4, D-U-N-S Number, Suffix         24       Employer's Identification I	M       ID 2/3         ipating in this transaction.       X         X       AN 1/60         red, to provide "eyeball"         for successful completion of the         eement between trading         X       ID 1/2         Bradstreet         mber with Four Character
Must Use	Des. N101 N102	Element 98 93	Entity Identifier Code         SJ       Service Provider         Identifies the ESCO partic         Name         Free Form ESCO Company Name         Supplemental text information supplied, if desirie         identification of the ESCO. It is not necessary for transaction but may be provided by mutual agree partners.         Identification Code Qualifier         1       D-U-N-S Number, Dun &         9       D-U-N-S+4, D-U-N-S Number, Suffix         24       Employer's Identification I Federal Tax ID	M       ID 2/3         ipating in this transaction.       X         X       AN 1/60         red, to provide "eyeball"         for successful completion of the         eement between trading         X       ID 1/2         Bradstreet         mber with Four Character         Number
	<u>Des.</u> N101 N102	Element 98 93	Entity Identifier Code         SJ       Service Provider         Identifies the ESCO partic         Name         Free Form ESCO Company Name         Supplemental text information supplied, if desiridentification of the ESCO. It is not necessary for transaction but may be provided by mutual agree partners.         Identification Code Qualifier         1       D-U-N-S Number, Dun &         9       D-U-N-S+4, D-U-N-S Number, Suffix         24       Employer's Identification I	M       ID 2/3         ipating in this transaction.       X         X       AN 1/60         red, to provide "eyeball"         for successful completion of the         eement between trading         X       ID 1/2         Bradstreet         mber with Four Character

		0							
	Segment:	<b>N1</b> N	ame (Utility)						
	Position:	080	080						
	Loop:	N1 (	Optional (Must Use)						
	Level:	Heading							
	Usage:	Optional	(Must Use)						
	Max Use:	1							
	Purpose:	To identi	ify a party by type of organization, name, and code						
Synt	tax Notes:	1 At le	east one of N102 or N103 is required.						
	2 If either N103 or N104 is present, then the other is required.								
Semantic Notes:									
<b>Comments:</b> 1 This segment, used alone, provides the most efficient method of providing organizational identification. To obtain this efficiency the "ID Code" (N104) must provide a key to the tai maintained by the transaction processing party.									
			5 and N106 further define the type of entity in N101.						
	Notes:	Required							
		. 1							
		N1~8S~-	~24~012345678						
			Data Element Summary						
	Ref.	Data							
	Des.	<u>Element</u>	Name	<u>Attributes</u>					
Mand.	N101	<b>98</b>	Entity Identifier Code	M ID 2/3					
			8S Consumer Service Provider (CSP)						
			8S Consumer Service Provider (CSP) Identifies the Utility participating i						
	N102	93							
	N102	93	Identifies the Utility participating i	n this transaction.					
	N102	93	Identifies the Utility participating i Name Free Form Utility Company Name	n this transaction. X AN 1/60					
	N102	93	Identifies the Utility participating i Name Free Form Utility Company Name Supplemental text information that may be supplied to p	n this transaction. X AN 1/60 provide "eyeball"					
	N102	93	Identifies the Utility participating i Name Free Form Utility Company Name Supplemental text information that may be supplied to p identification of the Utility. It is not necessary for succe	n this transaction. X AN 1/60 provide "eyeball" essful completion of the					
	N102	93	Identifies the Utility participating i Name Free Form Utility Company Name Supplemental text information that may be supplied to p identification of the Utility. It is not necessary for succe transaction but may be provided by mutual agreement be	n this transaction. X AN 1/60 provide "eyeball" essful completion of the					
	N102	93	Identifies the Utility participating i Name Free Form Utility Company Name Supplemental text information that may be supplied to p identification of the Utility. It is not necessary for succe	n this transaction. X AN 1/60 provide "eyeball" essful completion of the					
			Identifies the Utility participating i Name Free Form Utility Company Name Supplemental text information that may be supplied to p identification of the Utility. It is not necessary for succe transaction but may be provided by mutual agreement be partners.	n this transaction. X AN 1/60 provide "eyeball" essful completion of the etween trading					
Must Use	N102 N103	93 66	Identifies the Utility participating i Name Free Form Utility Company Name Supplemental text information that may be supplied to p identification of the Utility. It is not necessary for succe transaction but may be provided by mutual agreement be partners. Identification Code Qualifier	n this transaction. X AN 1/60 provide "eyeball" essful completion of the etween trading X ID 1/2					
Must Use			Identifies the Utility participating i         Name         Free Form Utility Company Name         Supplemental text information that may be supplied to pridentification of the Utility. It is not necessary for success transaction but may be provided by mutual agreement be partners.         Identification Code Qualifier         1       D-U-N-S Number, Dun & Bradstree	n this transaction. X AN 1/60 provide "eyeball" essful completion of the etween trading X ID 1/2 protect					
Must Use			Identifies the Utility participating is         Name         Free Form Utility Company Name         Supplemental text information that may be supplied to pridentification of the Utility. It is not necessary for success transaction but may be provided by mutual agreement be partners.         Identification Code Qualifier         1       D-U-N-S Number, Dun & Bradstree         9       D-U-N-S+4, D-U-N-S Number with Suffix	n this transaction. X AN 1/60 provide "eyeball" essful completion of the etween trading X ID 1/2 protect					
Must Use			Identifies the Utility participating is         Name         Free Form Utility Company Name         Supplemental text information that may be supplied to pridentification of the Utility. It is not necessary for success transaction but may be provided by mutual agreement be partners.         Identification Code Qualifier         1       D-U-N-S Number, Dun & Bradstree         9       D-U-N-S+4, D-U-N-S Number with	n this transaction. X AN 1/60 provide "eyeball" essful completion of the etween trading X ID 1/2 protect					
Must Use			Identifies the Utility participating is         Name         Free Form Utility Company Name         Supplemental text information that may be supplied to pridentification of the Utility. It is not necessary for success transaction but may be provided by mutual agreement be partners.         Identification Code Qualifier         1       D-U-N-S Number, Dun & Bradstree         9       D-U-N-S Number, Dun & Bradstree         9       D-U-N-S Number, Dun & Bradstree         24       Employer's Identification Number	n this transaction. X AN 1/60 provide "eyeball" essful completion of the etween trading X ID 1/2 eet th Four Character					
Must Use Must Use			Identifies the Utility participating i         Name         Free Form Utility Company Name         Supplemental text information that may be supplied to pridentification of the Utility. It is not necessary for success transaction but may be provided by mutual agreement be partners.         Identification Code Qualifier         1       D-U-N-S Number, Dun & Bradstree         9       D-U-N-S+4, D-U-N-S Number with Suffix         24       Employer's Identification Number	n this transaction. X AN 1/60 provide "eyeball" essful completion of the etween trading X ID 1/2 protect					

Segment:	N1 Name (Customer)
Position:	080
Loop:	N1 Optional (Must Use)
Level:	Heading
Usage:	Optional (Must Use)
Max Use:	1
<b>Purpose:</b>	To identify the customer in this transaction.
Syntax Notes:	1 At least one of N102 or N103 is required.
-	2 If either N103 or N104 is present, then the other is required.
Semantic Notes:	
Comments:	<ol> <li>This segment, used alone, provides the most efficient method of providing organizational identification. To obtain this efficiency the "ID Code" (N104) must provide a key to the table maintained by the transaction processing party.</li> <li>N105 and N106 further define the type of entity in N101.</li> </ol>
Notes:	Required
	This N1 Loop (N101=8R) is required to transmit data pertaining to an end use retail customer. The N1 (Customer) and REF~12 (Utility Account Number) segments within this N1 Loop must be present in all transactions. The REF~45 (Previous Utility Account Number) segment is conditional and all other segments in this N1 loop are optional.
	The sender may populate the N102 element (see below) with "NAME" or the customer's actual name may be provided by mutual agreement.
	N1~8R~JOHN SMITH N1~8R~NAME
	Data Element Summary

			Data Element Summary			
	Ref.	Data Flore and	Nome	A 44*h40.0		
	Des.	<u>Element</u>	Name	<u>Attributes</u>		
Mand.	N101	<b>98</b>	Entity Identifier Code	M ID 2/3		
			8R Consumer Service Provider (	(CSP) Customer		
			Identifies the end use custom	er 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 tran by mutual agreement between trading partners.			

Segment:	N3 Address Information (Service Address)
Position:	100
Loop:	N1 Optional (Must Use)
Level:	Heading
Usage:	Optional
Max Use:	1
Purpose:	To specify the location of the named party
Syntax Notes:	
Semantic Notes:	
<b>Comments:</b>	
Notes:	Optional
	N3~STREET ADDRESS~OVERFLOW ADDRESS

#### Data Element Summary

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

Position: Loop: Level: Usage: Max Use: Purpose: Syntax Notes: Semantic Notes: Comments: Notes:	<ul> <li>N4 Geographic Location (Service Address)</li> <li>110</li> <li>N1 Optional (Must Use)</li> <li>Heading</li> <li>Optional</li> <li>1</li> <li>To specify the geographic place of the named party</li> <li>1 If N406 is present, then N405 is required.</li> <li>1 A combination of either N401 through N404, or N405 and N406 may be adequate to specify location.</li> <li>2 N402 is required only if city name (N401) is in the U.S. or Canada.</li> <li>Conditional</li> </ul>
Level: Usage: Max Use: Purpose: Syntax Notes: Semantic Notes: Comments:	<ul> <li>Heading</li> <li>Optional</li> <li>1</li> <li>To specify the geographic place of the named party</li> <li>1 If N406 is present, then N405 is required.</li> <li>1 A combination of either N401 through N404, or N405 and N406 may be adequate to specify location.</li> <li>2 N402 is required only if city name (N401) is in the U.S. or Canada.</li> </ul>
Usage: Max Use: Purpose: Syntax Notes: Semantic Notes: Comments:	<ul> <li>Optional</li> <li>1</li> <li>To specify the geographic place of the named party</li> <li>1 If N406 is present, then N405 is required.</li> <li>1 A combination of either N401 through N404, or N405 and N406 may be adequate to specify location.</li> <li>2 N402 is required only if city name (N401) is in the U.S. or Canada.</li> </ul>
Max Use: Purpose: Syntax Notes: Semantic Notes: Comments:	<ol> <li>To specify the geographic place of the named party</li> <li>If N406 is present, then N405 is required.</li> <li>A combination of either N401 through N404, or N405 and N406 may be adequate to specify location.</li> <li>N402 is required only if city name (N401) is in the U.S. or Canada.</li> </ol>
Purpose: Syntax Notes: Semantic Notes: Comments:	<ol> <li>If N406 is present, then N405 is required.</li> <li>A combination of either N401 through N404, or N405 and N406 may be adequate to specify location.</li> <li>N402 is required only if city name (N401) is in the U.S. or Canada.</li> </ol>
Syntax Notes: Semantic Notes: Comments:	<ol> <li>If N406 is present, then N405 is required.</li> <li>A combination of either N401 through N404, or N405 and N406 may be adequate to specify location.</li> <li>N402 is required only if city name (N401) is in the U.S. or Canada.</li> </ol>
Semantic Notes: Comments:	<ol> <li>A combination of either N401 through N404, or N405 and N406 may be adequate to specify location.</li> <li>N402 is required only if city name (N401) is in the U.S. or Canada.</li> </ol>
Comments:	<ul><li>location.</li><li>N402 is required only if city name (N401) is in the U.S. or Canada.</li></ul>
	<ul><li>location.</li><li>N402 is required only if city name (N401) is in the U.S. or Canada.</li></ul>
Notes:	
	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	Duta Element Summary	
Des.	<b>Element</b>	Name	<b>Attributes</b>
N401	19	City Name	O AN 2/30
N402	156	State or Province Code	O ID 2/2
N403	116	Postal Code	O ID 3/15
	<u>Des.</u> N401 N402	Des.ElementN40119N402156	Ref.DataDes.ElementNameN40119City NameN402156State or Province Code

	Segment:	REF	Reference Identification (ESCO Customer Account N	umber)					
	Position:	120							
	Loop:	N1 (	Optional (Must Use)						
	Level:	Heading	· · · · · · · · · · · · · · · · · · ·						
	Usage:	Optional							
	Max Use:	1							
	Purpose:		fy identifying information						
Synt	ax Notes:		east one of REF02 or REF03 is required.						
		<ul> <li>2 If either C04003 or C04004 is present, then the other is required.</li> <li>3 If either C04005 or C04006 is present, then the other is required.</li> </ul>							
Seman	Semantic Notes: 1 REF04 contains data relating to the value cited in REF02.								
Co	omments:								
	Notes:	Optional REF~11	~A12345009Z						
	_		Data Element Summary						
	Ref.	Data		• • •					
	Des.	<u>Element</u>	<u>Name</u>		ributes				
Mand.	REF01	128	Reference Identification Qualifier	Μ	ID 2/3				
			11 Account Number REF02 is the ESCO assigned accour customer.	ıt numbe	r for the				
Must Use	REF02	127	Reference Identification	Χ	AN 1/30				
	ESCO Marketer assigned account number for the customer.								

Segment:REF Reference Identification (Utility Account Number)Position:120Loop:N1Lop:N1Optional (Must Use)Level:HeadingUsage:Optional (Must Use)Max Use:1Purpose:To specify identifying informationSyntax Notes:1At least one of REF02 or REF03 is required.2If either C04003 or C04004 is present, then the other is required.3If either C04005 or C04006 is present, then the other is required.Semantic Notes:1Notes:RequiredDEF 10011001007654000								
		REF~12~011231287654398 REF~12~011231287654398~U						
	Ref.	Data	Data Element Summary					
	Des.	<u>Element</u>	Name	Attr	ributes			
Mand.	REF01	128	<b>Reference Identification Qualifier</b>		ID 2/3			
			12 Billing Account					
			REF02 is the Utility-assigned account r customer.	umbe	er for the			
Must Use	REF02	127	Reference Identification	X	AN 1/30			
inder ebe			Utility assigned customer account number		1111 1,00			
Cond	REF03	352	The utility account number must be supplied without interve non-alphanumeric characters. (Characters added to aid in vis on a bill, for example, should be removed)					
Cond	KEF US	352	<b>Description</b> If specified in its Utility Maintained EDI Guide, the REF03 of					
			REF~12 segment will only be present in 867MU or 867HU to initiated by the utility where consumption is electric. This electric service as an delivery point. U Un-Metered Service	transa lemen	ctions t may be			

	Segment:	REF	Reference Identification (Previous Utility Account Num	her)				
	Position:	120						
	Loop:		Optional (Must Use)					
	Level:	Heading						
	Usage:	Optional (Dependent)						
	Max Use:							
	Purpose:	-	identifying information					
Sunt	tax Notes:		y identifying information ast one of REF02 or REF03 is required.					
Sym	lax moles.		her C04003 or C04004 is present, then the other is required.					
			1 · 1					
Somon	tic Notes:		her C04005 or C04006 is present, then the other is required.					
10 1		I KEF	04 contains data relating to the value cited in REF02.					
U	omments:	Conditio	1					
	Notes:	Conditio	181					
		XX/la ana a						
	Where a utility changes an existing customer's account number as a business process							
	(and as noted in its Utility Maintained EDI Guide), this segment must be sent when the							
		utility assigned account number for the customer has changed in the last 90 days.						
		REF~45~9194132485705971						
			Data Element Summary					
	Ref.	Data						
	Des.	<u>Element</u>	<u>Name</u>	Attr	<u>ibutes</u>			
Mand.	REF01	128	Reference Identification Qualifier	$\mathbf{M}$	ID 2/3			
			45 Old Account Number					
			REF02 is the Utility's previous account	numb	er for the			
			customer.					
Must Use	REF02	127	Reference Identification	Χ	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					

Synt Seman	Segment: Position: Loop: Level: Usage: Max Use: Purpose: ax Notes: tic Notes: omments:	120 N1 C Heading Optional 1 To specifi <b>1</b> At le <b>2</b> If eit <b>3</b> If eit	Optional (Dependent) (Dependent) fy identifying inf east one of REFO ther C04003 or C ther C04005 or C			
	<b>Notes:</b> Optional As specified in its Utility Maintained EDI Guide, a Utility that supports this segment will					
		indicate ( REF~BL	-	at is in effect for the period defined in the 867	•	
			D	ata Element Summary		
Must Use	Ref. <u>Des.</u> REF01	Data <u>Element</u> 128	<u>Name</u> Reference Ide	ntification Qualifier		ributes ID 2/3
				g the Reference Identification		
			BLT	Billing Type Bill Presenter		
Must Use	REF02	127	Reference Ide		X	AN 1/30
				rmation as defined for a particular Transaction e Reference Identification Qualifier Each Party Presents a Separate Bill ESCO is the Consolidated Bill Presente Utility is the Consolidated Bill Presente	er	or as

	Segment: Position: Loop: Level: Usage: Max Use:	n: 010 p: PTD Mandatory l: Detail e: Mandatory					
	Purpose:	To indica identifyii		detail information relating to the trans	fer/resale of a product and provide		
Synt	ax Notes:	1 If eit	ther PTD02 or	PTD03 is present, then the other is re PTD05 is present, then the other is re			
	tic Notes: omments:			1	1		
	Notes:	Conditio	nal				
Three PTD Loops with codes of BC, BO, or BQ have been provided for transmitting current consumption data. It is required that you use the correct PTD segment for the type of data you are transmitting, e.g. do not use a PTD segment where PTD01=BQ to send un-metered consumption information. Consumption for un-metered service points is summarized separately in a PTD loop with PTD01=BC. This PTD segment is for summarized metered consumption. Each PTD loop will includ a separate QTY loop for each unit of measure and daily reported peaks as applicable. The same Utility rate service class, rate subclass and load profile code must apply to all service points summarized in the same PTD loop. If some service end points are in a different rate service class than others, the data from those service end points should be sent in a separate PTD loop where PTD01=BO.				ect PTD segment for the tent where PTD01=BQ to r un-metered service points Each PTD loop will include rted peaks as applicable. ofile code must apply to all ervice end points are in a			
		PTD~BC	)~~OZ~GAS				
	Ref.	Data	]	Data Element Summary			
Mand.	<u>Des.</u> PTD01	Element 521	<u>Name</u> Product Tra BO	nsfer Type Code Designated Items Total for metered service poin			
Must Use	PTD04	128	Reference Id	commodity type indicated in <b>lentification Qualifier</b>	X ID 2/3		
			OZ	Product Number PTD05 contains a code identi reported in this transaction.	fying the commodity		
Must Use	PTD05	127	Reference Id	lentification	X AN 1/30		
			EL	Electric			

Gas

EL GAS

	Segment:	REF	Reference Iden	tification (Utility Rate Service Class)		
	Position:	030				
	Loop:	PTD	Mandatory			
	Level:	Detail				
	Usage:	Optional	(Must Use)			
	Max Use:	1				
	Purpose:	To specif	fy identifying infor	mation		
Synt	ax Notes:	1 At le	east one of REF02	or REF03 is required.		
		2 If eit	ther C04003 or C04	4004 is present, then the other is required.		
		3 If eit	ther C04005 or C04	4006 is present, then the other is required.		
Seman	tic Notes:	1 REF	04 contains data re	elating to the value cited in REF02.		
С	omments:					
	Notes:	Required	L			
		REF~NH REF~NH	I~A001 I~1150100			
			Data	a Element Summary		
	Ref.	Data				
	Des.	<u>Element</u>	<u>Name</u>			<u>ributes</u>
Mand.	REF01	128		ification Qualifier	Μ	ID 2/3
			NH	Rate Card Number		
				REF02 contains the Utility specific rate		
				references the service class and rates ap	oplicat	ble to this
			<b>D A D A</b>	service delivery point.		1 31 4 /2 0
Must Use	REF02	127	Reference Ident		X	AN 1/30
			•	as found in the tariff. (This code can be use	ed to r	etrieve rates
		from a utility's web site.)				

	Segment:	REF	Reference Identification (Rate Sub Class)				
	Position:	030					
	Loop:	PTD	Mandatory				
	Level:	Detail					
	Usage:	Optional	(Dependent)				
	Max Use:	1					
	<b>Purpose:</b>	To specif	fy identifying information				
Synt	tax Notes:		east one of REF02 or REF03 is required.				
		2 If eit	ther C04003 or C04004 is present, then the other is required.				
			ther C04005 or C04006 is present, then the other is required.				
Seman	tic Notes:	1 REF	04 contains data relating to the value cited in REF02.				
C	omments:						
	Notes:	Conditio	nal				
		REF~PR	~RSVD				
			~NRSVD				
			Data Element Summary				
	Ref.	Data					
	Des.	<u>Element</u>	Name	-	<u>ibutes</u>		
Mand.	REF01	128	Reference Identification Qualifier	Μ	ID 2/3		
			PR Price Quote Number				
			Utility Rate Subclass - Used to provide	furthe	r		
	DEE03	107	classification of a rate.	v	AN 1/20		
Must Use	REF02	127	<b>Reference Identification</b>	X	AN 1/30		
		Provides further clarification of a tariff specified in the REF where REF01=NH.					

NY86/Mont	thly Interval U	sage									
	Segment:	QTY	<b>Y</b> Quantity (	Numbe	r of Meters	s)					
	Position:	110									
	Loop:	QTY	QTY Optional (Must Use)								
	Level:	Detail	1	,							
	Usage:		(Must Use)								
	Max Use:	1	<b>`</b>								
	<b>Purpose:</b>	To speci	fv quantity inf	ormatio	n. A separa	te Quantity loop	is used for early	ach re	egister or		
	<b>T</b>		ment type bein						8		
Svn	tax Notes:		east one of QT			eauired.					
J			y one of QTY(								
Semar	ntic Notes:		Y04 is used wh								
С	omments:	C C									
	Notes:	Required	1								
		. 1									
		This OT	Y loop is requi	red to re	eport the nu	mber of meters b	eing summa	rized	in the		
		PTD=BO			1		0				
		OTY~FI	L~2 (indicates	2 Meter	rs)						
		~			,						
				Data E	ement Sun	nmary					
	Ref.	Data				·					
	Des.	Element	Name					Attr	<u>ibutes</u>		
Mand.	<b>QTY01</b>	673	Quantity Qu	ıalifier					ID 2/2		
	•		FL		Units						
Must Use	<b>QTY02</b>	380	Quantity					Х	R 1/15		
	-			number	of summar	ized meters in th	is loop.				
							-				

	Segment: Position: Loop: Level: Usage: Max Use: Purpose:	140 QTY Detail Optional 1	T Monetary Amount (Back Out Credit) Optional (Must Use) (Dependent) ate the total monetary amount		
Sema	ntax Notes: intic Notes: Comments:		·		
	Notes:	Condition	nal		
		and repre			
			Data Element Summary		
	Ref.	Data	Data Element Summary		
Mand.	<u>Des.</u> AMT01	Element 522	<u>Name</u> Amount Qualifier Code	<u>Attribut</u> M ID	
			ZT Prorated Amount Back Out Credit amount reported in AN	AT02	
Mand.	AMT02	782	Monetary Amount	M R1	1/18
		102	The amount credited to a customer's 'bundled' bill to provide credit for the delivered quantity supplied by an ESCO. If a utility's rate structure results in a customer's bill with sup bundled in a single charge, the adjustment credit is based on daily market price of the commodity or on a tariff filed Retar (RAC).	a retail ad pply and de either the	ljustment elivery average

so / Monthly Interval U	sage
Segment:	MEA Measurements
Position:	160
Loop:	QTY Optional (Must Use)
Level:	Detail
Usage:	Optional (Must Use)
Max Use:	40
Purpose:	To specify physical measurements or counts, including dimensions, tolerances, variances, and weights.
Syntax Notes:	1 At least one of MEA03 MEA05 MEA06 or MEA08 is required.
	2 If MEA05 is present, then MEA04 is required.
	<b>3</b> If MEA06 is present, then MEA04 is required.
	4 If MEA07 is present, then at least one of MEA03 MEA05 or MEA06 is required.
	5 Only one of MEA08 or MEA03 may be present.
Semantic Notes:	<b>1</b> MEA04 defines the unit of measure for MEA03, MEA05, and MEA06.
Comments:	1 When citing dimensional tolerances, any measurement requiring a sign (+ or -), or any measurement where a positive (+) value cannot be assumed, use MEA05 as the negative (-) value and MEA06 as the positive (+) value.
Notes:	Required
	Consumption shown with measurement type and daily peak period.
	MEA~BR~PRQ~10101~KH~~~41 < 10101 kWh billed off peak use
	MEA~AN~PRQ~12.3~K1~~~51 < 12.3 kW total recorded demand
	MEA~BR~PRQ~11.4~K1~~~51 < 11.4 kW total billed demand
	MEA~AN~PRQ~2.1~K1~~~41 < 2.1 kW off peak recorded demand
	MEA~AN~PRQ~7.3~K1~~~42 < 7.3 kW on peak recorded demand
	MEA~AN~PRQ~3~K1~~~43 < 3 kW shoulder peak recorded demand
	MEA~AN~PRQ~750~KH~~~41 < 750 kWh off peak use
	MEA~AN~PRQ~1275~KH~~~42 < 1275 kWh on peak use
	MEA~EN~PRQ~350~KH~~~43 < 350 kWh estimated shoulder peak use
	MEA~AN~PRQ~600~HH <600 ccf gas, total actual consumption

			Data I	Element Summary		
	Ref.	Data				
	Des.	<u>Element</u>	<u>Name</u>		Att	<u>ributes</u>
Must Use	MEA01	737	Measurement Ref	erence ID Code	0	ID 2/2
			AN	Work		
				Period Actual		
			BR	Billed History		
			EN	Environmental Conditions		
				Period Estimated		
Must Use	MEA02	738	Measurement Qua	alifier	0	ID 1/3
			PRQ	Product Reportable Quantity		
				Consumption		
Must Use	MEA03	739	Measurement Val	ue	Х	R 1/20
			Quantity of the con	sumption delivered for the service period.		

	thly Interval U	-			•	
Must Use	MEA04	C001	Composite Unit of		X	ID a/a
Mand.	C00101	355	Unit or Basis for N		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		
Card		025			0	ID 2/2
Cond	MEA07	935	Measurement Sign		0	ID 2/2
				AS, this element is not used.		
			41	Off Peak		
				If specified in its Utility Maintained EI		
				utility will use this code will be used to	desig	gnate Small
				Time of Use Off Peak Energy.		
			42	On Peak		
				If specified in its Utility Maintained EI	DI Gu	ide, the
				utility will use this code will be used to		
				Time of Day On Peak Energy.	00012	sinate Sinan
			43	Intermediate		
			40			
			45	Intermediate Peak		
			45	Per Gallon		
				Summer On Peak		
			49	Mist		
				Winter On Peak		
			50	Predominant		
				Winter Mid Peak		
			51	Total		
				If specified in its Utility Maintained EI	DI Gu	ide, the
				utility will use this code will be used to		
				Energy or Total Billed Demand.	00012	since i otul
			57	Boarded or Blocked Up		
			51			
			<b>5</b> 0	Summer Total		
			58	Planned		
			50	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		
			0.	High Tension On Peak Energy		
			85	High		
			05			
			97	High Tension Off Peak Energy		
			86	Budgeted		
				Low Tension On Peak Energy		
			87	Forecast		
				Low Tension Off Peak Energy		
			88	Adjusted		
				Low Tension Total Energy		
			89	Allocated		
				Low Tension Primary Demand		
			90	Increasing		
				Low Tension Secondary Demand		
			01			
			91	Stable		
				Low Tension Transmission Demand		

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

	Segment:	DTN	Date/Time Reference (Period Start Date)		
	<b>Position:</b>	210			
	Loop:	QTY	Optional (Must Use)		
	Level:	Detail			
	Usage:	Optional	(Must Use)		
	Max Use:	1			
	<b>Purpose:</b>	To specif	by 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.		
Seman	tic Notes:				
С	omments:				
	Notes:	Required			
		DTM~15	0~20060315		
			Data Element Summary		
	Ref.	Data			
	Des.	<u>Element</u>	Name		ributes
Mand.	DTM01	374	Date/Time Qualifier	Μ	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 t	he for	m
			CCYYMMDD.		

	Segment:	DTN	<b>I</b> Date/Time Reference (Period End Date)						
	Position:	210							
	Loop:	QTY							
	Level:	Detail							
	Usage:	Optional	(Must Use)						
	Max Use:	1							
	<b>Purpose:</b>	To specif	y pertinent dates and times						
Synt	tax Notes:	1 At le	ast one of DTM02 DTM03 or DTM05 is required.						
		2 If D	FM04 is present, then DTM03 is required.						
		3 If eit	her DTM05 or DTM06 is present, then the other is required.						
Seman	tic Notes:								
С	omments:								
	Notes:	Required							
		DTM~15	1~20060415						
	D C		Data Element Summary						
	Ref.	Data	N	• • •	•1 4				
N7 1	Des.	Element	Name		<u>ributes</u>				
Mand.	DTM01	374	Date/Time Qualifier	Μ	ID 3/3				
		252	151 Service Period End	<b>X</b> 7	D/T 0/0				
Must Use	DTM02	373	Date	X	DT 8/8				
			End date of the period reported in the current QTY loop in the	e fori	n				
			CCYYMMDD.						

	Segment: Position: Loop: Level: Usage: Max Use:	PTD 010 PTD Detail Mandato 1	Mandatory	and Resale Detail (Un-metered Cons	umptio	on)
	Purpose:			information relating to the transfer/resale	e of a p	product and provide
-	ax Notes:	1 If ei	ther PTD02 or PTD0	3 is present, then the other is required. 5 is present, then the other is required.		
	tic Notes: omments: Notes:	Conditio				
		A single same rate consump subclass PTD loo	PTD loop is used to e service class (and subtion being reported in	en reporting un-metered consumption. report all un-metered consumption for a ubclass, as applicable) applies to all of th n a transaction. If more than one rate se un-metered usage being reported on an a ach rate class.	ne un-r rvice c	netered class (or
	Ref.	Data	Data I	Element Summary		
	Des.	Element	Name		Att	ributes
Mand.	PTD01	521	<b>Product</b> Transfer	Type Code	Μ	ID 2/2
			BC	Issue - Other Agency Total for all unmetered Service points the commodity type indicated in PTD0		account for
Must Use	PTD04	128	Reference Identifi		Х	ID 2/3
			OZ	Product Number PTD05 contains a code identifying the reported in this transaction.	comm	nodity
Must Use	PTD05	127	<b>Reference Identifi</b> EL GAS	•	X	AN 1/30

	Segment:	REF	Reference Ident	ification (Utility Rate Service Class)					
	Position:	030		-					
	Loop:	PTD	PTD Mandatory						
	Level:	Detail	·						
	Usage:	Optional	(Must Use)						
	Max Use:	1							
	Purpose:	To specif	fy identifying infor	mation					
Synt	ax Notes:	1 At le	east one of REF02 of	or REF03 is required.					
		2 If eit	ther C04003 or C04	4004 is present, then the other is required.					
				4006 is present, then the other is required.					
10 0 00	tic Notes:	1 REF	04 contains data re	lating to the value cited in REF02.					
C	omments:								
	Notes:	Required							
		REF~NH REF~NH	I~A001 I~1150100						
			Data	Element Summary					
	Ref.	Data							
	Des.	<u>Element</u>	<u>Name</u>	a		ributes			
Mand.	REF01	128		fication Qualifier	Μ	ID 2/3			
			NH	Rate Card Number	1	.1 .			
				REF02 contains the Utility specific rate					
				references the service class and rates ap	plicat	ble to this			
Must Use	REF02	127	Reference Identi	service delivery point.	X	AN 1/30			
must Use	NLT VZ	141		as found in the tariff. (This code can be use					
			· · · · · · · · · · · · · · · · · · ·		20101	enteve rates			
		from a utility's web site.)							

	Segment:	REF	Reference Identification (Rate Sub Class)				
	Position:	030					
	Loop:	PTD	Mandatory				
	Level:	Detail					
	Usage:	Optional	(Dependent)				
	Max Use:	1					
	<b>Purpose:</b>	To specif	fy identifying information				
Synt	tax Notes:		east one of REF02 or REF03 is required.				
		2 If eit	ther C04003 or C04004 is present, then the other is required.				
			ther C04005 or C04006 is present, then the other is required.				
Seman	tic Notes:	1 REF	04 contains data relating to the value cited in REF02.				
C	omments:						
	Notes: Conditional						
		REF~PR~RSVD REF~PR~NRSVD					
			Data Element Summary				
	Ref.	Data					
	Des.	<u>Element</u>	Name	<u>Attr</u>	<u>ibutes</u>		
Mand.	REF01	128	Reference Identification Qualifier	Μ	ID 2/3		
			PR Price Quote Number				
			Utility Rate Subclass - Used to provide classification of a rate.	furthe	er		
Must Use	REF02	127	Reference Identification	Х	AN 1/30		
			Provides further clarification of a tariff specified in the REF REF01=NH.	where	:		

111007 10001	ing interval e	suge					
	Segment:	QTY	Quantity (Number of Meters)				
	Position:	110					
	Loop: QTY Optional (Must Use)						
	Level:	Detail					
	Usage:	Optional	(Must Use)				
	Max Use:	1					
	<b>Purpose:</b>	To speci	y quantity information.				
Synt	tax Notes:		east one of QTY02 or QTY04 is required.				
·			one of QTY02 or QTY04 may be present.				
Seman	tic Notes:	•	'04 is used when the quantity is non-numeric.				
С	Comments:						
Notes: Required.							
A separate QTY loop is used to indicate the number of un-metered service points					oints		
summarized in this loop.							
		QTY~FL	~44 (indicates 44 un-metered points)				
			Data Element Summary				
	Ref.	Data					
	Des.	<u>Element</u>	<u>Name</u>	Attr	<u>ibutes</u>		
Mand.	QTY01	673	Quantity Qualifier	Μ	ID 2/2		
			FL Units				
Must Use	QTY02	380	Quantity	Х	R 1/15		
			Contains the number of un-metered points reported in this per	riod.			

G	Segment: Position: Loop: Level: Usage: Max Use: Purpose:	140 QTY Detail Optional 1	T Monetary Amount (Back Out Credit) Optional (Must Use) (Dependent) ate the total monetary amount		
Sema	ntax Notes: antic Notes: Comments:				
	Notes:	Condition	nal		
		and repre			
			Data Element Summary		
	Ref.	Data	Data Element Summary		
	Des.	<u>Element</u>	Name	Attr	<u>ibutes</u>
Mand.	AMT01	522	Amount Qualifier Code	Μ	ID 1/3
			ZT Prorated Amount	1000	
Mand.	AMT02	782	Back Out Credit amount reported in AN		R 1/18
Manu.	ANI IU2	/ 04	Monetary Amount The amount credited to a customer's 'bundled' bill to provide		
			credit for the delivered quantity supplied by an ESCO.		
			If a utility's rate structure results in a customer's bill with sup bundled in a single charge, the adjustment credit is based on		
			daily market price of the commodity or on a tariff filed Retai		
			(RAC).		

or monuny mervar es	54 <u>5</u> 0
Segment:	MEA Measurements
Position:	160
Loop:	QTY Optional (Must Use)
Level:	Detail
Usage:	Optional (Must Use)
Max Use:	40
Purpose:	To specify physical measurements or counts, including dimensions, tolerances, variances, and weights.
Syntax Notes:	1 At least one of MEA03 MEA05 MEA06 or MEA08 is required.
	2 If MEA05 is present, then MEA04 is required.
	<b>3</b> If MEA06 is present, then MEA04 is required.
	4 If MEA07 is present, then at least one of MEA03 MEA05 or MEA06 is required.
	5 Only one of MEA08 or MEA03 may be present.
Semantic Notes:	<b>1</b> MEA04 defines the unit of measure for MEA03, MEA05, and MEA06.
Comments:	1 When citing dimensional tolerances, any measurement requiring a sign (+ or -), or any measurement where a positive (+) value cannot be assumed, use MEA05 as the negative (-) value and MEA06 as the positive (+) value.
Notes:	Required
	Consumption shown with measurement type.
	MEA~BR~PRQ~10101~KH (indicates 10101 kWh consumption)

#### **Data Element Summary**

			Data	Element Summary		
	Ref.	Data				
	Des.	<u>Element</u>	<u>Name</u>		Att	ributes
Must Use	MEA01	737	Measurement Re	ference ID Code	0	ID 2/2
			AN	Work		
				Period Actual		
			BR	Billed History		
			EN	Environmental Conditions		
				Period Estimated		
Must Use	MEA02	738	Measurement Qu	ıalifier	0	ID 1/3
			PRQ	Product Reportable Quantity		
				Consumption		
Must Use	MEA03	739	Measurement Va	lue	Х	R 1/20
			Quantity of the co	nsumption delivered for the service period		
Must Use	MEA04	C001	Composite Unit of		Х	
Mand.	C00101	355	Unit or Basis for Measurement Code		Μ	ID 2/2
			HH	Hundred Cubic Feet		
				ccf		
			K1	Kilowatt Demand		
			K2	Kilovolt Amperes Reactive Demand		
			K3	Kilovolt Amperes Reactive Hour		
			K4	Kilovolt Amperes		
			K5	Kilovolt Amperes Reactive		
			K7	Kilowatt		
			KH	Kilowatt Hour		
			TD	Therms		
			ΤZ	Thousand Cubic Feet		

	Segment:	DTN	<b>I</b> Date/Time Reference (Period Start Date)				
	Position:						
	Loop:	QTY	Optional (Must Use)				
	Level:	Detail					
	Usage:	Optional	(Must Use)				
	Max Use:	1					
	<b>Purpose:</b>	To specif	y pertinent dates and times				
Syn	tax Notes:	1 At le	ast one of DTM02 DTM03 or DTM05 is required.				
		<b>2</b> If D'	FM04 is present, then DTM03 is required.				
		3 If eit	her DTM05 or DTM06 is present, then the other is required.				
Seman	tic Notes:						
С	omments:						
	Notes: Required						
	DTM~150~20060315						
	-	-	Data Element Summary				
	Ref.	Data					
	Des.	<u>Element</u>	Name		<u>ibutes</u>		
Mand.	DTM01	374	Date/Time Qualifier	Μ	ID 3/3		
			150 Service Period Start				
Must Use	DTM02	373	Date	X	DT 8/8		
		Start date of the period reported in the current QTY loop in the form					
			CCYYMMDD.				

	Segment:	<b>DTM</b> Date/Time Reference (Period End Date)						
	Position:	210						
	Loop:	QTY	QTY Optional (Must Use)					
	Level:	Detail						
	Usage:	Optional	(Must Use)					
	Max Use:	1						
	<b>Purpose:</b>	To specif	y pertinent dates and times					
Synt	tax Notes:	1 At le	ast one of DTM02 DTM03 or DTM05 is required.					
		2 If D	FM04 is present, then DTM03 is required.					
		3 If eit	her DTM05 or DTM06 is present, then the other is required.					
Seman	tic Notes:							
С	omments:							
	Notes:	Required						
		DTM~15	1~20060415					
	D C		Data Element Summary					
	Ref.	Data	N	• • •	•1 4			
N7 1	Des.	Element	Name		<u>ributes</u>			
Mand.	DTM01	374	Date/Time Qualifier	Μ	ID 3/3			
		252	151 Service Period End	<b>X</b> 7	D/T 0/0			
Must Use	DTM02	373	Date	X	DT 8/8			
			End date of the period reported in the current QTY loop in the	e fori	n			
			CCYYMMDD.					

	Segment:	ΡΤΓ	Product Transfer	and Resale Detail (Metered Cons	sumption D	etail)			
	Position:	010	<b>PTD</b> Product Transfer and Resale Detail (Metered Consumption Detail)						
	Loop:	PTD	Mandatory						
	Level:	Detail	5						
	Usage:	Mandato	rv						
	Max Use:	1	•						
	Purpose:	To indica	To indicate the start of detail information relating to the transfer/resale of a product and provide identifying data						
Synt	tax Notes:	<ol> <li>If either PTD02 or PTD03 is present, then the other is required.</li> <li>If either PTD04 or PTD05 is present, then the other is required.</li> </ol>							
Seman	tic Notes:			I i i i i i i i i i i i i i i i i i i i					
	omments:								
	Notes:	Conditio	onal						
data is being reported by meter (required in the Single Retailer model), the data should be sent in the PTD~PM loop and not this loop. Each metered service point must be sent in a separate PTD loop (PTD01=BQ) with the consumption for the period reported in separate QTY loops within that PTD loop. Each PTD~BQ loop will include the meter number, rate class (and subclass, as applicable), quantity of consumption, measurement unit, and reported period start and end dates. PTD~BO~~~OZ~EL					loop. Each plicable),				
	-	<b>.</b> .	Data I	Element Summary					
	Ref.	Data	N			·1			
Maad	Des.	Element	<u>Name</u>			<u>ibutes</u>			
Mand.	PTD01	521	Product Transfer	Other	IVI	ID 2/2			
			ЪŲ	Detail of metered service points o	n the accou	nt for the			
				commodity type indicated in PTD					
Must Use	PTD04	128	<b>Reference Identifi</b>		X	ID 2/3			
			OZ	Product Number					
				PTD05 contains a code identifyin	g the comm	odity			
				reported in this transaction.		-			
Must Use	PTD05	127	<b>Reference Identifie</b>	cation	Х	AN 1/30			
			ET.	T1					

Electric

Gas

EL

GAS

	Segment:	REF	Reference Identification (Meter Number)						
	Position:	030							
	Loop:	PTD	PTD Mandatory						
	Level:	Detail							
	Usage:	Optional	(Must Use)						
	Max Use:	1							
	Purpose:	To specif	y identifying information						
Synt	ax Notes:	<b>1</b> At le	ast one of REF02 or REF03 is required.						
		2 If eit	her C04003 or C04004 is present, then the other is required.						
		3 If eit	her C04005 or C04006 is present, then the other is required.						
Seman	tic Notes:	1 REF	04 contains data relating to the value cited in REF02.						
Co	omments:								
	Notes:	Required							
		DEE MO	012245679						
		KEF~IM	G~012345678						
			Data Element Summary						
	Ref.	Data							
	Des.	Element	Name	<u>Attı</u>	ributes				
Mand.	REF01	128	Reference Identification Qualifier	Μ	ID 2/3				
			MG Meter Number						
Must Use	REF02	127	Reference Identification	Х	AN 1/30				
			Utility assigned meter number						

ł	Segment:	<b>REF</b> Reference Identification (Utility Rate Service Class)						
	Position:	030						
	Loop:	PTD	PTD Mandatory					
	Level:	Detail	Detail					
	Usage:	Optional (Must Use)						
]	Max Use:	1						
	Purpose:	To specif	y identifying information	ation				
Synt	ax Notes:	1 At le	east one of REF02 or	REF03 is required.				
		2 If eit	her C04003 or C040	04 is present, then the other is required.				
				06 is present, then the other is required.				
10 1111111	tic Notes:	1 REF	04 contains data relat	ting to the value cited in REF02.				
Co	omments:							
	Notes:	Required						
		REF~NH~A001 REF~NH~1150100						
			Data F	Clement Summary				
	Ref.	Data						
	Des.	<u>Element</u>	<u>Name</u>			<u>ributes</u>		
Mand.	REF01	128	<b>Reference Identifie</b>	-	Μ	ID 2/3		
			NH	Rate Card Number				
				REF02 contains the Utility specific rate				
				references the service class and rates ap service delivery point.	plicat	ble to this		
Must Use	REF02	127	Reference Identifie		X	AN 1/30		
1.2437 050				found in the tariff. (This code can be use				
			from a utility's web					
			<b>,</b>	,				

	Segment:	<b>REF</b> Reference Identification (Rate Sub Class)					
	Position:	030					
	Loop:	PTD	Mandatory				
	Level:	Detail					
	Usage:	Optional	(Dependent)				
	Max Use:	1					
	<b>Purpose:</b>	To speci	fy identifying information				
Synt	tax Notes:	<b>1</b> At le	east one of REF02 or REF03 is required.				
		2 If ei	ther C04003 or C04004 is present, then the other is required.				
		3 If ei	ther C04005 or C04006 is present, then the other is required.				
Seman	tic Notes:	1 REF	04 contains data relating to the value cited in REF02.				
C	omments:						
	Notes:	Conditio	nal				
		REF~PR					
		REF~PR	~NRSVD				
		Data Element Summary					
	Ref.	Data	•				
	Des.	<u>Element</u>	<u>Name</u>	Attr	<u>ibutes</u>		
Mand.	REF01	128	Reference Identification Qualifier	Μ	ID 2/3		
			PR Price Quote Number				
			Utility Rate Subclass - Used to provide	furthe	er		
			classification of a rate.				
Must Use	REF02	127	Reference Identification	Х	AN 1/30		
			Provides further clarification of a tariff specified in the REF	where			
			REF01=NH.				

	5450
Segment:	<b>QTY</b> Quantity (Number of Meters)
Position:	110
Loop:	QTY Optional (Must Use)
Level:	Detail
Usage:	Optional (Must Use)
Max Use:	1
Purpose:	To specify quantity information.
Syntax Notes:	1 At least one of QTY02 or QTY04 is required.
	2 Only one of QTY02 or QTY04 may be present.
Semantic Notes:	<b>1</b> QTY04 is used when the quantity is non-numeric.
<b>Comments:</b>	
Notes:	Required
	$QTY \sim FL \sim 1 = 1$ Meter

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

	Segment: Position: Loop: Level: Usage: Max Use: Purpose:	140 QTY Detail Optional 1	T Monetary Amount (Back Out Credit) Optional (Must Use) (Dependent) ate the total monetary amount		
Sema	ntax Notes: antic Notes: Comments:				
	Notes:	Conditio	nal		
As specified in its Utility Maintained EDI Guide, this segment will be sent by the utili and represents the amount backed out from a customer's 'bundled' bill to provide a reta adjustment credit for the delivered quantity supplied by an ESCO. AMT~ZT~-23.29 AMT~ZT~0.00					
			Data Element Summary		
	Ref.	Data	Data Element Summary		
	Des.	Element	<u>Name</u>	<u>Attri</u>	butes
Mand.	AMT01	522	Amount Qualifier Code	Μ	ID 1/3
			ZT Prorated Amount	1000	
Mand.	AMT02	782	Back Out Credit amount reported in AM Monetary Amount		R 1/18
Manu.	ANI 102	782	The amount credited to a customer's 'bundled' bill to provide		
			credit for the delivered quantity supplied by an ESCO.		j
				_	
			If a utility's rate structure results in a customer's bill with sup bundled in a single charge, the adjustment credit is based on daily market price of the commodity or on a tariff filed Retail (BAC)	either t	the average
			(RAC).		

Segment:	MEA Measurements
Position:	160
Loop:	QTY Optional (Must Use)
Level:	Detail
Usage:	Optional (Must Use)
Max Use:	40
Purpose:	To specify physical measurements or counts, including dimensions, tolerances, variances, and weights (See Figures Appendix for example of use of C001)
Syntax Notes:	1 At least one of MEA03 MEA05 MEA06 or MEA08 is required.
	2 If MEA05 is present, then MEA04 is required.
	<b>3</b> If MEA06 is present, then MEA04 is required.
	4 If MEA07 is present, then at least one of MEA03 MEA05 or MEA06 is required.
	5 Only one of MEA08 or MEA03 may be present.
Semantic Notes:	<b>1</b> MEA04 defines the unit of measure for MEA03, MEA05, and MEA06.
Comments:	1 When citing dimensional tolerances, any measurement requiring a sign (+ or -), or any measurement where a positive (+) value cannot be assumed, use MEA05 as the negative (-) value and MEA06 as the positive (+) value.
Notes:	Conditional
1000050	Conditional
	Actual metered consumption should be sent unless actual is not available after billing. If actual consumption is not available then billed consumption should be sent and MEA01 should contain "BR".
	MEA~BR~PRQ~10101~KH~~~41 < 10101 kWh billed off peak use
	MEA~AN~PRQ~12.3~K1~~~51 < 12.3 kW total recorded demand
	MEA~BR~PRQ~11.4~K1~~~51 < 11.4 kW total billed demand
	MEA~AN~PRQ~2.1~K1~~~41 < 2.1 kW off peak recorded demand
	MEA~AN~PRQ~7.3~K1~~~42 < 7.3 kW on peak recorded demand
	MEA~AN~PRQ~3~K1~~~43 < 3 kW shoulder peak recorded demand
	MEA~AN~PRQ~750~KH~~~41 < 750 kWh off peak use
	MEA~AN~PRQ~1275~KH~~~42 < 1275 kWh on peak use
	MEA~EN~PRQ~350~KH~~~43 < 350 kWh estimated shoulder peak use
	MEA~AN~PRQ~600~HH <600 ccf gas, total actual consumption

			Data	Element Summary		
	Ref. Des.	Data <u>Element</u>	<u>Name</u>		Att	<u>ributes</u>
Must Use	MEA01	737	Measurement Re	ference ID Code	0	ID 2/2
			AN	Work		
				Period Actual		
			BR	Billed History		
				Use only when actual or estimated cons	sumpt	ion is not
				available.		
			EN	Environmental Conditions		
				Period Estimated		
Must Use	MEA02	738	Measurement Qu	alifier	0	ID 1/3
			PRQ	Product Reportable Quantity		
				Consumption		
Must Use	MEA03	739	Measurement Va	lue	Х	R 1/20
			Quantity of the co	nsumption delivered for the service period		

NY867 Mont	thly Interval Us	sage				
Must Use	MEA04	C001	<b>Composite Unit</b>	of Measure	Х	
Mand.	C00101	355	Unit or Basis for	r Measurement Code	Μ	ID 2/2
			HH	Hundred Cubic Feet		
				ccf		
			K1	Kilowatt Demand		
			K2	Kilovolt Amperes Reactive Demand		
			K3	Kilovolt Amperes Reactive Hour		
			K4	Kilovolt Amperes		
			K4 K5	Kilovolt Amperes Reactive		
			K7	Kilowatt		
			KH	Kilowatt Hour		
			TD	Therms		
~ -			TZ	Thousand Cubic Feet	~	
Cond.	MEA07	935		ignificance Code	0	ID 2/2
				GAS, this element is not used.		
			41	Off Peak		
				If specified in its Utility Maintained El		
				utility will use this code will be used to	o desig	nate Small
				Time of Use Off Peak Energy.		
			42	On Peak		
				If specified in its Utility Maintained El	OI Gui	de, the
				utility will use this code will be used to		
				Time of Day On Peak Energy.	L.	
			43	Intermediate		
				Intermediate Peak		
			45	Per Gallon		
			15	Summer On Peak		
			49	Mist		
			<b>4</b> 7	Winter On Peak		
			50	Predominant		
			50			
			<b>~</b> 1	Winter Mid Peak		
			51	Total		1 .1
				If specified in its Utility Maintained El		
				utility will use this code will be used to	o desig	nate Total
				Energy or Total Billed Demand.		
			57	Boarded or Blocked Up		
				Summer Total		
			58	Planned		
				Winter Total		
			73	Low to High		
				Summer Off Peak		
			74	Low to Medium		
				Summer Intermediate Peak		
			75	Low to Moderate		
				Winter Off Peak		
			84	Good to High		
			~··	High Tension On Peak Energy		
			85	High		
			00	High Tension Off Peak Energy		
			86			
			00	Budgeted		
			07	Low Tension On Peak Energy		
			87	Forecast		
			00	Low Tension Off Peak Energy		
			88	Adjusted		
				Low Tension Total Energy		
			89	Allocated		
				Low Tension Primary Demand		
			90	Increasing		
				Low Tension Secondary Demand		
				· · · · · · · · · · · · · · · · · · ·		

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

	Segment:	DTN	Date/Time Reference (Period Start Date)		
	<b>Position:</b>	210			
	Loop:	QTY	Optional (Must Use)		
	Level:	Detail			
	Usage:	Optional	(Must Use)		
	Max Use:	1			
	<b>Purpose:</b>	To specif	by 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.		
Seman	tic Notes:				
С	omments:				
	Notes:	Required			
		DTM~15	0~20060315		
			Data Element Summary		
	Ref.	Data			
	Des.	<u>Element</u>	Name		ributes
Mand.	DTM01	374	Date/Time Qualifier	Μ	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 t	he for	m
			CCYYMMDD.		

1,100,110	Segment:	DTN	<b>1</b> Date/Time Reference (Period End Date)		
			Date/ Third Kerefence (Terrod End Date)		
	Position:	210 OTV			
	Loop:	QTY	Optional (Must Use)		
	Level:	Detail			
	Usage:	Optional	(Must Use)		
	Max Use:	1			
	Purpose:		y pertinent dates and times		
Syn	tax Notes:	1 At le	ast 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.		
Seman	tic Notes:				
С	omments:				
	Notes:	Required			
		DTM~15	1~20060415		
			Data Element Summary		
	Ref.	Data			
	Des.	<u>Element</u>	Name	Attr	<u>ibutes</u>
Mand.	<b>DTM01</b>	374	Date/Time Qualifier	Μ	ID 3/3
			151 Service Period End		
Must Use	<b>DTM02</b>	373	Date	Х	DT 8/8
			End date of the period reported in the current QTY loop in th	he forn	ı
			CCYYMMDD.		

Seg	gment:	PTD	Product Transfe	er and Resale Detail	(Interval Usage Sun	nmary – Account Le	evel)
Pos	sition:	010					
	Loop:		Mandatory				
	Level:	Detail					
τ	U <b>sage:</b>	Mandator	ry				
	x Use:	1	•				
Pu	rpose:	To indica identifyir		l information relating	to the transfer/resale	of a product and pro-	vide
Syntax I	Notes:	1 If eit	ther PTD02 or PTD	003 is present, then the	e other is required.		
·		2 If eit	ther PTD04 or PTD	005 is present, then the	e other is required.		
Semantic I	Notes:			<b>L</b> .	1		
Comm	nents:						
I	Notes:	Condition	nal				
		This PTD a separate The same service pe different sent in a s	D segment is for sur e QTY loop for eac e Utility rate service oints summarized i rate service class th separate PTD loop ~~OZ~EL	op –sums intervals at t mmarized metered con th unit of measure and e class, rate subclass a n the same PTD loop. nan others, the data fro where PTD01=IA.	nsumption. Each PTE I daily reported peaks and load profile code . If some service end	loop will include as applicable. must apply to all points are in a	
	D C		Data	Element Summary			
	Ref.	Data	N			A 44*1	
	Des.	Element	<u>Name</u>	T C1-		<u>Attributes</u>	
Mand. P	TD01	521	Product Transfe			M ID 2/2	
			IA	Inventory Adjuste		an anna fan dha	
					service points on the	account for the	
				commodity type in	ndicated in PTD05		

				Total for metered service points on the a commodity type indicated in PTD05	accou	int for the
Must Use	PTD04	128	<b>Reference Identifi</b>	cation Qualifier	Х	ID 2/3
			OZ	Product Number		
				PTD05 contains a code identifying the o	comm	nodity
				reported in this transaction.		
Must Use	PTD05	127	<b>Reference Identifi</b>	cation	Х	AN 1/30
			EL	Electric		
			GAS	Gas		

# DTD

111007 11101		Sube			
	Segment:	DTN	/ Date/Time Reference (Period Start Date)		
	<b>Position:</b>	020			
	Loop:	PTD	Optional (Must Use)		
	Level:	Detail			
	Usage:	Optional	(Must Use)		
	Max Use:	1			
	<b>Purpose:</b>	To specif	y pertinent dates and times		
Svn	tax Notes:	-	east one of DTM02 DTM03 or DTM05 is required.		
v			ΓM04 is present, then DTM03 is required.		
			her DTM05 or DTM06 is present, then the other is required.		
Semar	ntic Notes:				
С	omments:				
	Notes:	Required			
		-			
		DTM~15	0~20060315		
			Data Element Summary		
	Ref.	Data			
	Des.	<u>Element</u>	Name	Attr	ributes
Mand.	DTM01	374	Date/Time Qualifier	Μ	ID 3/3
			150 Service Period Start		
Must Use	DTM02	373	Date	Х	DT 8/8
			Start date of the period reported in the current QTY loop in t	he for	m
			CCYYMMDD.		

1,100,1101	~	ΠΤΙ	Λ		
	Segment:	$\mathbf{D}\mathbf{I}\mathbf{N}$	<b>1</b> Date/Time Reference (Period End Date)		
	Position:	020			
	Loop:	PTD	Optional (Must Use)		
	Level:	Detail			
	Usage:	Optional	(Must Use)		
	Max Use:	1			
	Purpose:	To specif	y pertinent dates and times		
Synt	tax Notes:		ast one of DTM02 DTM03 or DTM05 is required.		
· ·			TM04 is present, then DTM03 is required.		
		3 If eit	her DTM05 or DTM06 is present, then the other is required.		
	tic Notes: omments:				
	Notes:	Required			
		DTM~15	1~20060415		
		_	Data Element Summary		
	Ref.	Data			
	Des.	<u>Element</u>	Name		ributes
Mand.	DTM01	374	Date/Time Qualifier	Μ	ID 3/3
			151 Service Period End		
Must Use	DTM02	373	Date	Χ	DT 8/8
			End date of the period reported in the current QTY loop in the CCYYMMDD.	e forr	n

	Segment:	REF	Reference Identi	fication (Utility Rate Service Class)		
	Position:	030				
	Loop:	PTD	Mandatory			
	Level:	Detail				
	Usage:	Optional	(Must Use)			
	Max Use:	1				
	Purpose:	To specif	fy identifying inform	ation		
Synt	ax Notes:	<b>1</b> At le	east one of REF02 of	REF03 is required.		
				004 is present, then the other is required.		
				006 is present, then the other is required.		
	tic Notes:	1 REF	04 contains data rela	ting to the value cited in REF02.		
Co	omments:					
	Notes:	Required				
		REF~NH REF~NH	I~A001 I~1150100			
			Data 1	Element Summary		
	Ref.	Data				
	Des.	<u>Element</u>	<u>Name</u>			<u>ibutes</u>
Mand.	REF01	128	Reference Identifi	•	Μ	ID 2/3
			NH	Rate Card Number		
				REF02 contains the Utility specific rate		
				references the service class and rates ap service delivery point.	plicat	ble to this
Must Use	REF02	127	<b>Reference Identifi</b>		Х	AN 1/30
				s found in the tariff. (This code can be use	d to r	etrieve rates
			from a utility's web	site.)		

	Segment:	REF	Reference Identification (Rate Sub Class)		
	Position:	030			
	Loop:	PTD	Mandatory		
	Level:	Detail			
	Usage:	Optional	(Dependent)		
	Max Use:	1			
	Purpose:	To speci	fy identifying information		
Synt	tax Notes:		east one of REF02 or REF03 is required.		
			ther C04003 or C04004 is present, then the other is required.		
			ther C04005 or C04006 is present, then the other is required.		
10 0 1 1 1 1 1 1	tic Notes:	1 REF	04 contains data relating to the value cited in REF02.		
C	omments:				
	Notes:	Conditio	nal		
		REF~PR			
		KEF~PK	~NRSVD		
			Data Element Summary		
	Ref.	Data	·		
	Des.	<u>Element</u>	Name	Attr	<u>ributes</u>
Mand.	REF01	128	Reference Identification Qualifier	Μ	ID 2/3
			PR Price Quote Number		
			Utility Rate Subclass - Used to provide	furthe	er
			classification of a rate.		
Must Use	REF02	127	Reference Identification	Х	AN 1/30
			Provides further clarification of a tariff specified in the REF	where	2
			REF01=NH.		

Synt	Segment: Position: Loop: Level: Usage: Max Use: Purpose: ax Notes: tic Notes: omments: Notes:	030 PTD Detail Optional 1 To specif <b>1</b> At le <b>2</b> If eit <b>3</b> If eit <b>1</b> REF( Condition REF~MT REF~MT	Mandatory (Dependent) y identifying information ast one of REF02 or REI her C04003 or C04004 is her C04005 or C04006 is 04 contains data relating hal C~KH015 (to indicate 15 C~KH030 (to indicate 30	F03 is required. s present, then the other is required. s present, then the other is required. to the value cited in REF02. minute intervals)	gas interval)
	D 4		Data Elem	ent Summary	
Mand.	Ref. <u>Des.</u> REF01	Data <u>Element</u> 128	<u>Name</u> Reference Identification MT M	o <b>n Qualifier</b> eter Ticket Number	Attributes M ID 2/3
			In	terval Reading Period.	
Must Use	REF02	127	REF01=MT. The type and reporting a five-character field. T consumption. The last The REF02 in this segn first two characters to d KH Kilowatt Hour (kW HH Hundred Cubic Fee The following codes are document the interval c delivery point(s) identif the interval that should BIM Bi-Monthly DAY Daily MON Monthly QTR Quarterly	f interval meter data reading period R interval for consumption measurement The first two characters are used to determine the characters describe the reporting ment should contain one of the follow escribe the type of consumption: h) et (CCF) e used in the last three characters of the apabilities for the metered or un-meter ied in the NM109. If that capability be reported is the scheduled meter rest ervals (e.g. 015 indicates 15 minute in	nts are described in escribe the type of g interval. ing codes as the ne REF02 to ered service is not known then ading interval.

Segment:	QTY Quantity (Interval Quantity - Account Level)
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:	<b>1</b> QTY04 is used when the quantity is non-numeric.
<b>Comments:</b>	
Notes:	Required
	If specified in its Utility Maintained EDI Guide, the utility will provide estimated interval usage, if possible. Otherwise, the bill will be estimated and these will be coded as missing reads.
	QTY~QD~1012~KH
	QTY~KA~710~KH
	QTY~QD~10~HH
	QTY~QD~.5~KH

			Data E	lement Summary		
	Ref.	Data				
	Des.	<u>Element</u>	<u>Name</u>		Attr	ibutes
Mand.	QTY01	673	Quantity Qualifier		Μ	ID 2/2
			QD	Work		
				Period Actual		
			KA	Environmental Conditions		
				Period Estimated		
			20	Missing Read		
Must Use	QTY02	380	Quantity		Х	R 1/15
			Numeric value of qu	antity.		
Μ	QTY03	355	Unit or Basis for M	leasurement Code	Μ	ID 2/2
			Code specifying the which a measurement	units in which a value is being expressed at has been taken	, or n	nanner in
			KH	Kilowatt Hour		
				kWh - Kilowatt Hours		
			HH	Hundred Cubic Feet		
				CCF		

QTY~20~0~KH

101007 101010		U			
	Segment:	DTN	✓ <b>Ⅰ</b> Date/Time Reference (Report Period)		
	<b>Position:</b>	210			
	Loop:	QTY	Optional (Must Use)		
	Level:	Detail	I to the construction of t		
	Usage:		(Must Use)		
	Max Use:	1			
	Purpose:		fy pertinent dates and times		
Svn	tax Notes:		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.		
Semar	ntic Notes:		<b>I I I I I</b>		
	omments:				
	Notes:	Required			
		. 1			
		DTM~58	32~20170104~1500~ES		
			Data Element Summary		
	Ref.	Data	·		
	Des.	Element	Name	Att	tributes
Mand.	DTM01	374	Date/Time Qualifier	Μ	ID 3/3
			582 Report Period		
			The date/time of the end of the interva	ıl.	
Must Use	<b>DTM02</b>	373	Date	Х	DT 8/8
			Report Period		
			Date expressed as CCYYMMDD		
Must Use	DTM03	337	Time	Х	TM 4/8
			Time expressed in 24-hour clock time as follows: HHMM		
			HHMM format		
Must Use	DTM04	623	Time Code	0	ID 2/2
			Code identifying the time. In accordance with International	Stand	
			Organization standard 8601, time can be specified by $a + or$		
			in hours in relation to Universal Time Coordinate (UTC) tir		
			restricted character, + and - are substituted by P and M in the		
			The time code must accurately provide the time zone when	the da	aylight savings
			time starts and ends if the meter is adjusted for daylight sav		
			not adjusted for daylight savings time, the time code will al		
			Daylight Time which will be interpreted as prevailing time.		
			ED Eastern Daylight Time		
			ES Eastern Standard Time		
			ES Eastern Standard Time		

Segment:	<b>PTD</b> Product Transfer and Resale Detail (Interval Meter Detail)
<b>Position:</b>	010
Loop:	PTD Mandatory
Level:	Detail
Usage:	Mandatory
Max Use:	1
Purpose:	To indicate the start of detail information relating to the transfer/resale of a product and provide identifying data
Syntax Notes:	1 If either PTD02 or PTD03 is present, then the other is required.
	2 If either PTD04 or PTD05 is present, then the other is required.
Semantic Notes: Comments:	
Notes:	Conditional
	Provided when consumption is being requested by meter.
	PM (Interval Meter Detail) Loop – intervals detail by meter.
	Each metered service point must be sent in a separate PTD loop (PTD01=PM) with the consumption for the period reported in separate QTY loops within that PTD loop. Each
	PTD~PM loop will include the meter number, rate class (and subclass, as applicable), quantity of consumption, measurement unit, and reported period start and end dates.
	If it is possible to have an interval and non-interval meter on the same account within its service territory, the utility will specify such in its Utility Maintained EDI Guide.
	PTD~PM~~~OZ~EL

			Data E	lement Summary		
Mand.	Ref. <u>Des.</u> PTD01	Data <u>Element</u> 521	<u>Name</u> Product Transfer 7 PM	<b>Fype Code</b> Other	<u>Attı</u> M	<u>ributes</u> ID 2/2
Must Use	PTD04	128	Reference Identific	Detail of metered service points on the commodity type indicated in PTD05.	accou X	nt for the <b>ID 2/3</b>
			OZ	Product Number PTD05 contains a code identifying the reported in this transaction.	comm	odity
Must Use	PTD05	127	<b>Reference Identific</b> EL GAS	cation Electric Gas	X	AN 1/30

	Segment:	DTM Date/Time Reference (Period Start Date)					
	<b>Position:</b>	020					
	Loop:	PTD	PTD Optional (Must Use)				
	Level:	Detail					
	Usage:	Optional	Optional (Must Use)				
	Max Use:	1	1				
	<b>Purpose:</b>	To specif	fy pertinent dates and times				
Syn	tax Notes:	<b>1</b> At le	east one of DTM02 DTM03 or DTM05 is required.				
		2 If D'	ΓM04 is present, then DTM03 is required.				
		3 If eit	ther DTM05 or DTM06 is present, then the other is required.				
Seman	ntic Notes:						
С	omments:						
	Notes:	Required					
		DTM~15	60~20060315				
	-	-	Data Element Summary				
	Ref.	Data					
	Des.	<u>Element</u>	<u>Name</u>		<u>ibutes</u>		
Mand.	DTM01	374	Date/Time Qualifier	Μ	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 t	the for	m		
			CCYYMMDD.				

111007 111011			-			
	Segment:	DTN	/ Date/Time Reference (Period End Date)			
	<b>Position:</b>	020				
	Loop:	PTD	Optional (Must Use)			
	Level:	Detail				
	Usage:	Optional	(Must Use)			
	Max Use:	1				
	<b>Purpose:</b>	To specif	y pertinent dates and times			
Syn	tax Notes:	1 At le	ast one of DTM02 DTM03 or DTM05 is required.			
-		2 If D'	FM04 is present, then DTM03 is required.			
		3 If eit	her DTM05 or DTM06 is present, then the other is required.			
Seman	tic Notes:					
С	omments:					
	Notes:	Required				
		DTM~15	1~20060415			
			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	he form		
			CCYYMMDD.			

	Segment:	REF	Reference Identification (Meter Number)			
	Position:	030				
	Loop:	PTD	Mandatory			
	Level:	Detail				
	Usage:	Optional	(Must Use)			
	Max Use:	1				
~	Purpose:		y identifying information			
Synt	tax Notes:	<ol> <li>At least one of REF02 or REF03 is required.</li> <li>If either C04003 or C04004 is present, then the other is required.</li> <li>If either C04005 or C04006 is present, then the other is required.</li> </ol>				
Seman	tic Notes:	1 REF	04 contains data relating to the value cited in REF02.			
C	omments:					
	Notes:	Required				
		REF~MO	G~012345678			
			Data Element Summary			
	Ref.	Data				
	Des.	<u>Element</u>	<u>Name</u>		<u>ibutes</u>	
Mand.	REF01	128	Reference Identification QualifierMGMeter Number	Μ	ID 2/3	
Must Use	REF02	127	Reference Identification	Х	AN 1/30	
			Utility assigned meter number			

	Segment:	<b>REF</b> Reference Identification (Utility Rate Service Class)					
	Position:	030					
	Loop:	PTD	Mandatory				
	Level:	Detail					
	Usage:	Optional	(Must Use)				
	Max Use:	1					
	Purpose:	To specif	fy identifying infor	mation			
Synt	ax Notes:	1 At le	east one of REF02	or REF03 is required.			
		2 If eit	ther C04003 or C04	4004 is present, then the other is required.			
		3 If eit	ther C04005 or C04	4006 is present, then the other is required.			
Seman	tic Notes:	1 REF	04 contains data re	elating to the value cited in REF02.			
С	omments:						
	Notes:	Required	L				
		REF~NH~A001 REF~NH~1150100					
			Data	a Element Summary			
	Ref.	Data					
	Des.	<u>Element</u>	<u>Name</u>			<u>ributes</u>	
Mand.	REF01	128		ification Qualifier	Μ	ID 2/3	
			NH	Rate Card Number			
				REF02 contains the Utility specific rate			
				references the service class and rates ap	oplicat	ble to this	
			<b>D A D A</b>	service delivery point.		1 31 4 /2 0	
Must Use	REF02	127	Reference Ident		X	AN 1/30	
			•	as found in the tariff. (This code can be use	ed to r	etrieve rates	
			from a utility's web site.)				

	Segment:	<b>REF</b> Reference Identification (Rate Sub Class)				
	Position:	030				
	Loop:	PTD	Mandatory			
	Level:	Detail				
	Usage:	Optional	(Dependent)			
	Max Use:	1				
	Purpose:	To specif	fy identifying information			
Synt	ax Notes:		east one of REF02 or REF03 is required.			
		2 If eit	ther C04003 or C04004 is present, then the other is required.			
			ther C04005 or C04006 is present, then the other is required.			
Seman	tic Notes:	1 REF	04 contains data relating to the value cited in REF02.			
Co	omments:					
	Notes:	s: Conditional				
		REF~PR~RSVD REF~PR~NRSVD				
			Data Element Summary			
	Ref.	Data				
	Des.	<u>Element</u>	Name	<u>Attr</u>	<u>ibutes</u>	
Mand.	REF01	128	Reference Identification Qualifier	Μ	ID 2/3	
			PR Price Quote Number			
			Utility Rate Subclass - Used to provide classification of a rate.	furthe	er	
Must Use	REF02	127	Reference Identification	Х	AN 1/30	
			Provides further clarification of a tariff specified in the REF REF01=NH.	where	:	

IN 1807 Monu	Segment:	0	Reference Identificat	ion (Interval Reading Period)				
	Position:	030						
	Loop:		Mandatory					
	Level:	Detail						
,	Usage: Max Use:	Optional	(Dependent)					
	Purpose:	To specif	y identifying information					
	ax Notes:		ast one of REF02 or REI					
·		2 If eit	her C04003 or C04004 is	s present, then the other is required.				
C	·			s present, then the other is required.				
	tic Notes: omments:	1 REF	04 contains data relating	to the value cited in REF02.				
	Notes:	Condition	nal					
			~KH015 (to indicate 15	· · · · · · · · · · · · · · · · · · ·				
		REF~MT	C~HH060 (to indicate 60	minute intervals, e.g. for an hourly ga	s inte	erval)		
	<b>P</b> 4		Data Elem	ent Summary				
	Ref.	Data <u>Element</u>	Name		A ttr	<u>ibutes</u>		
Mand.	<u>Des.</u> REF01	<u>128</u>	Reference Identification	on Oualifier		ID 2/3		
				eter Ticket Number				
				erval Reading Period.				
Must Use	REF02	127	Reference Identification		X	AN 1/30		
			REF01=MT.	f interval meter data reading period RI	EFUI	where		
			The type and reporting interval for consumption measurements are described a five-character field. The first two characters are used to describe the type of consumption. The last three characters describe the reporting interval.					
				nent should contain one of the following escribe the type of consumption:	ng co	des as the		
			KH Kilowatt Hour (kW HH Hundred Cubic Fee					
			The following codes are used in the last three characters of the REF02 to document the interval capabilities for the metered or un-metered service delivery point(s) identified in the NM109. If that capability is not known then the interval that should be reported is the scheduled meter reading interval.					
	BIM Bi-Monthly DAY Daily MON Monthly QTR Quarterly							
			001-999 - Reporting Intervals (e.g. 015 indicates 15 minute intervals, 060 indicates 60 minute intervals, etc.)					
			For example:					
			KHMON KH015 HHDAY	Kilowatt Hours Per Month Kilowatt Hours Per 15 minutes Interval Hundred Cubic Feet (CCF) per Daily Int	terval			

Synt	Segment:       QTY Quantity (Interval Quantity- Meter Level)         Position:       110         Loop:       QTY       Optional (Must Use)         Level:       Detail         Usage:       Optional (Must Use)         Max Use:       1         Purpose:       To specify quantity information.         Syntax Notes:       1         At least one of QTY02 or QTY04 is required.         2       Only one of QTY02 or QTY04 may be present.         Semantic Notes:       1         QTY04 is used when the quantity is non-numeric.				
	Notes:	Required	1		
		If specified in its Utility Maintained EDI Guide, the utility will provide estimated interv usage, if possible. Otherwise, the bill will be estimated and these will be coded as missing reads. Gas consumption will be provided in CCF at the Interval Level, but Therms in the summary. QTY~QD~1012~KH QTY~KA~710~KH QTY~QD~.5~KH QTY~20~0~KH			ill be coded as
			Data I	Element Summary	
Mand.	Ref. <u>Des.</u> QTY01	Data <u>Element</u> 673	<u>Name</u> Quantity Qualifier QD	Work Period Actual	<u>Attributes</u> M ID 2/2
			KA	Environmental Conditions Period Estimated	
Must Use	QTY02	380	20 <b>Quantity</b>	Missing Read	X R 1/15

Numeric value of quantity.

KH

HH

Unit or Basis for Measurement Code

which a measurement has been taken

Kilowatt Hour

CCF

kWh - Kilowatt Hours

Hundred Cubic Feet

Code specifying the units in which a value is being expressed, or manner in

**QTY03** 

М

355

ID 2/2

Μ

N 1 807 MOIN	ing mervar c	sage					
	Segment:	DTN	<b>A</b> Date/Time Reference (Report Period)				
	Position:	210					
	Loop:	QTY					
	Level:	Detail					
	Usage:		(Must Use)				
	Max Use:	1					
	Purpose:	To specif	fy pertinent dates and times				
Svn	tax Notes:		east one of DTM02 DTM03 or DTM05 is required.				
v			TM04 is present, then DTM03 is required.				
			ther DTM05 or DTM06 is present, then the other is required.				
Semar	ntic Notes:						
С	omments:						
	Notes:	Required	l de la companya de l				
		•					
		DTM~58	32~20170104~1500~ES				
			Data Element Summary				
	Ref.	Data					
	Des.	<u>Element</u>	Name		tributes		
Mand.	DTM01	374	Date/Time Qualifier	Μ	ID 3/3		
			582Report Period				
			The date/time of the end of the interva				
Must Use	DTM02	373	Date	X	DT 8/8		
			Report Period				
			Date expressed as CCYYMMDD.		<b>TTT A</b> 10		
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	0	ID 2/2		
			Code identifying the time. In accordance with International	Stand	lards		
			Organization standard $8601$ , time can be specified by $a + o$				
			in hours in relation to Universal Time Coordinate (UTC) the				
			restricted character, $+$ and $-$ are substituted by P and M in t				
			follow.				
				the de	wlight covings		
			The time code must accurately provide the time zone when time starts and ends if the meter is adjusted for daylight say				
			is not adjusted for daylight savings time, the time code will				
			Eastern Daylight Time which will be interpreted as prevaili				
			ED Eastern Daylight Time	ng ull	IC.		
			ES Eastern Standard Time				

11100/11101	inity more an e	Suge						
	Segment:	SE t	SE Transaction Set Trailer					
	<b>Position:</b>	030	030					
	Loop:							
	Level:	Summary						
	Usage:	Mandato	Mandatory					
	Max Use:	1	1					
	Purpose:	To indicate the end of the transaction set and provide the count of the transmitted segments (including the beginning (ST) and ending (SE) segments)						
Syr	ntax Notes:	,						
Sema	ntic Notes:							
(	Comments:	<b>1</b> SE i	s the last segment of each transaction set.					
Notes: Required								
		SE~15~(	001					
			Data Element Summary					
	Ref.	Data						
	Des.	<u>Element</u>	Name	<u>Attributes</u>				
Mand.	SE01	96	Number of Included Segments	M N0 1/10				
Mand.	SE02	329	Transaction Set Control Number	M AN 4/9				

### EXAMPLES

These examples are presented for illustrative purposes only. Although they are syntactically correct with respect to the published transaction standard for the <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~	Transaction Set header; transaction defined is an 867; control number assigned by originator
BPT*00*40000000000000161223161222E00*20161224*C	
1~	
DTM*634*20170124~	
N1*SJ*ESCO Service, LLC*1*11111111-~	
N1*8S*UTILITY*1*00000000~	
N1*8R*CUST NAME~	
N3*1 W 11 ST D~	
N4*NEW YORK*NY*10000~	
REF*12*40000000000000000	
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~	
DIM 131 20101222	
PTD*BQ***OZ*EL~	
REF*MG*88888888~	
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*99999999~	
REF*NH*116~	
REF*PR*LO N 53~	
QTY*FL*1~	
MEA*AN*PRQ*89*KH***41~	
DTM*150*20161121~	
DTM*151*20161222~	
PTD*IA***OZ*EL~	Option: Interval summary at the account level, by request via account change or enrollment
DTM*150*20161121~	
DTM*151*20161222~	
REF*NH*116~	
REF*PR*LO N 53~	
REF*MT*KH015~	

QTY*QD*21.3*KH~	Total KH at the account level for the first 15 minutes
DTM*582*20161121*0015*ES~	
QTY*QD*20.22*KH~	Total KH at the account level for the next 15 minutes
DTM*582*20161121*0030*ES~	
Continued until end of period	
QTY*QD*.3*KH~	
DTM*582*20161222*2330*ES~	
QTY*QD*20.22*KH~	
DTM*582*20161222*2345*ES~	
QTY*QD*.22*KH~	
DTM*582*20161223*0000*ES~	Last Interval will be 2345 of the DTM151 to 0000 of the day
D1W1 502 20101225 0000 ES	after the DTM151
PTD*PM***OZ*EL~	Option: Interval meter detail, by request via account change
	or enrollment – meter 1
DTM*150*20161121~	
DTM*150*20101121	
REF*MG*88888888~	Meter Number
REF*NH*116~	
REF*PR*LO N 53~	
REF*MT*KH015~	
QTY*QD*21.3*KH~	
DTM*582*20161121*0015*ES~	
QTY*QD*20.22*KH~	
DTM*582*20161121*0030*ES~	
D1W1 502 20101121 0050 E5	
Continued until end of period	
QTY*QD*.3*KH~	
DTM*582*20161222*2330*ES~	
QTY*QD*20.22*KH~	
DTM*582*20161222*2345*ES~	
QTY*QD*22*KH~	
DTM*582*20161223*0000*ES~	Last Interval will be 2345 of the DTM151 to 0000 of the day
D1W1 562 20101225 0000 E54	after the DTM151
PTD*PM***OZ*EL~	Option: Interval meter detail, by request via account change
	or enrollment – meter 2
DTM*150*20161121~	
DTM*150*20101121 DTM*151*20161222~	
REF*MG*9999999~	Meter Number
REF*NH*116~	
REF*PR*LO N 53~	
REF*MT*015~	
QTY**QD*11*KH~	
DTM*582*20161222*0015*ES~	
DTM J02 20101222 0013 ES~	

NY867 Monthly Interval Usage	
QTY*QD*10*KH~	
DTM*582*20161222*0030*ES~	
Continued until end of period	
SE*1*1~	Transaction Set trailer; segment count; control number

## Example 2 – Gas Interval Data

ST*867*1~	Transaction Set header; transaction defined is an 867; control number assigned by originator
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Example 3 –	Missing	Readings
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ST*867*1~	Transaction Set header; transaction defined is an 867;
	control number assigned by originator

## Example 4 – Estimated Readings

ST*867*1~	Transaction Set header; transaction defined is an 867; control number assigned by originator

## Example 5a – Daylight Savings Time (Spring Forward)

ST*867*1~	Transaction Set header; transaction defined is an 867; control number assigned by originator

ST*867*1~	Transaction Set header; transaction defined is an 867; control number assigned by originator
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## Example 5b – Daylight Savings Time (Fall Back)

ST*867*1~	Transaction Set header; transaction defined is an 867;
	control number assigned by originator

### Example 6a – Mixed Interval and Summary (AMI installed mid-cycle)

ST*867*1~	Transaction Set header; transaction defined is an 867; control number assigned by originator