

September 29, 2009

Version 0.1 8D

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**Pennsylvania**  
**New Jersey**  
**Delaware**  
**Maryland**

# Implementation Guideline

For

**Electronic Data Interchange**

TRANSACTION SET

# 867

## Historical Interval Usage

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## Summary of Changes

March 15, 2008 Version 0.1D	Initial Release for NJ Change Control xx.
<u>August 20, 2008</u> Version 0.1.5D	<u>Incorporate changes for PA</u>
<u>October 2, 2008</u> Version 0.1.6D	<u>Remove PECO from PA Notes section</u>
<u>August 8, 2009</u> Version 0.1.7D	<u>Incorporate PA Change Control 056 (PPL field use)</u>

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## General Notes

Use

- Historical Usage will be provided to an ESP upon Request. The request will be made using the 814E documents.
- Historical Usage can be requested for an entity that is already a customer of the ESP
- Historical Usage can be requested for any customer that has not restricted the release of their historical usage. This is state dependent, some states allow this scenario, and others do not.
- The Historical Usage Transaction Set is sent by the LDC only one time per ESP request. No corrections or changes will be transmitted. The Historical Usage data is correct for the point in time that is it requested. Subsequent adjustments to Historical Usage will not be transmitted to the ESP.
- If providing history totaled for an account, use "SU"/"BQ" (Summary) in PTD01, else if providing history by meter, use "BO"/"PM" (Physical Meter) in PTD01.

LDC Definitions:

The term LDC (Local Distribution Company) in this document refers to the utility. Each state may refer to the utility by a different acronym:

- EDC – Electric Distribution Company (Pennsylvania, Delaware)
- LDC – Local Distribution Company (New Jersey)
- EC – Electric Company (Maryland)

ESP Definitions:

The term ESP (Energy Service Provider) in this document refers to the supplier. Each state may refer to the supplier by a different acronym:

- EGS – Electric Generation Supplier (Pennsylvania)
- TPS – Third Party Supplier (New Jersey)
- ES – Electric Supplier (Delaware)
- ES – Electricity Supplier (Maryland)

Renewable Energy Provider Definition:

The term Renewable Energy Provider in this document refers to the party that provides Renewable Energy Credits (RECs). This party does not provide generation to the account. Each state may refer to the Renewable Energy Provider by a different acronym:

- GPM – Green Power Marketer (New Jersey)

**Note:** The transaction will either have an ESP or a Renewable Energy Provider, but not both.

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## Pennsylvania Notes

Use

- Transaction is optional in Pennsylvania. Only used by PPL. The EDC will provide interval detail at the lowest recorded level. The EGS will not be able to request a specific interval level.

## New Jersey Notes

Use

- Transaction is optional in New Jersey

## Delaware Notes

Use

- Transaction is not used in Delaware

## Maryland Notes

Use

- Transaction is not used in Maryland

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The EDC will provide interval detail at the lowest recorded level. The EGS will not be able to request a specific interval level.¶
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# How to Use the Implementation Guideline

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

This section is used to show the X12 Rules for this segment. You must look further into the grayboxes below for State Rules.

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**Comments:**

<b>Notes:</b>	Recommended by UIG
<b>PA Use:</b>	Must be identical to account number as it appears on the customer's bill, excluding punctuation (spaces, dashes, etc.). Significant leading and trailing zeros must be included.
	Request: Required Accept Response: Required Reject Response: Required
<b>NJ Use:</b>	Same as PA
<b>Example:</b>	REF*12*2931839200

The "Notes:" section generally contains notes by the Utility Industry Group (UIG).

This section is used to show the individual State's Rules for implementation of this segment.

One or more examples.

## Data Element Summary

Ref. Des.	Data Element	Name	X12 Attributes
Must Use REF01	128	Reference Identification Qualifier Code qualifying the Reference Identification	M ID 2/3
	12	Billing Account	
	LDC	assigned account number for end use customer.	
Must Use REF02	127	Reference Identification Reference information as de Identification Qualifier	X AN 1/30
		for a particular Transaction Set or as specified by the Reference	

This column shows the use of each data element. If state rules differ, this will show "Conditional" and the conditions will be explained in the appropriate grayboxes.

These are X12 code descriptions, which often do not relate to the information we are trying to send. Unfortunately, X12 cannot keep up with our code needs so we often change the meanings of existing codes. See graybox for the UIG or state definitions.

This column shows the X12 attributes for each data element. Please refer to Data Dictionary for individual state rules.

M = Mandatory, O= Optional, X = Conditional

AN = Alphanumeric, N# = Decimal value, ID = Identification, R = Real

1/30 = Minimum 1, Maximum 30

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# 867 Historical Usage X12 Structure

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## Heading:

Pos. No.	Seg. ID	Name	Req. Des.	Max.Use	Loop Repeat	Notes and Comments
Must Use 010	ST	Transaction Set Header	M	1		
Must Use 020	BPT	Beginning Segment for Product Transfer and Resale	M	1		
LOOP ID - N1					5	
080	N1	Name	O	1		
120	REF	Reference Identification	O	12		

## Detail:

Pos. No.	Seg. ID	Name	Req. Des.	Max.Use	Loop Repeat	Notes and Comments
LOOP ID - PTD					>1	
Must Use 010	PTD	Product Transfer and Resale Detail	M	1		
020	DTM	Date/Time Reference	O	10		
030	REF	Reference Identification	O	20		
LOOP ID - QTY					>1	
110	QTY	Quantity	O	1		
210	DTM	Date/Time Reference	O	10		

## Summary:

Pos. No.	Seg. ID	Name	Req. Des.	Max.Use	Loop Repeat	Notes and Comments
Must Use 030	SE	Transaction Set Trailer	M	1		

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- 1. The number of line items (CTT01) is the accumulation of the number of LIN segments. If used, hash total (CTT02) is the sum of the value of quantities (QTY02) for each QTY segment.¶

## Transaction Set Notes

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## Data Dictionary for 867 Historical Interval Usage

Appl Field	Field Name	Description	EDI Element	Loop / Related EDI Qualifier	Data Type
1	Purpose Code	Transaction Set Purpose	BPT01 = <b>52</b>		X(2)
2	Transaction Reference Number	Unique Number identifying this transaction.	BPT02		X(30)
3	System Date	Date this transaction was generated from sender's system	BPT03		9(8)
4	Report Type Code	Code to identify this transaction contains detailed usage information	BPT04 = <b>DD</b>	BPT01 = <b>52</b>	X(2)
5	LDC Name	LDC's Name	N102	N1: N101 = <b>8S</b>	X(60)
6	LDC Duns	LDC's DUNS Number or DUNS+4 Number	N104	N1: N101 = <b>8S</b> N103 = <b>1</b> or <b>9</b>	X(13)
7	ESP Name	ESP's Name	N102	N1: N101 = <b>SJ</b>	X(60)
8	ESP Duns	ESP's DUNS Number or DUNS+4 Number	N104	N1: N101 = <b>SJ</b> N103 = <b>1</b> or <b>9</b>	X(13)
8.3	Renewable Energy Provider Name	Renewable Energy Provider 's Name	N102	N1: N101 = <b>G7</b>	X(60)
8.4	Renewable Energy Provider Duns	Renewable Energy Provider 's DUNS Number or DUNS+4 Number	N104	N1: N101 = <b>G7</b> N103 = <b>1</b> or <b>9</b>	X(13)
9	Customer Name	Customer Name	N102	N1: N101 = <b>8R</b>	X(60)
10	ESP Account Number	ESP Customer Account Number	REF02	N1: N101 = <b>8R</b> REF01 = <b>11</b>	X(30)
11	LDC Account Number	LDC Customer Account Number	REF02	N1: N101 = <b>8R</b> REF01 = <b>12</b>	X(30)
11.2	LDC Account Number - unmetered	LDC Customer Account Number – Unmetered	REF03	N1: N101 = <b>8R</b> REF01 = <b>12</b> REF03 = <b>U</b>	X(80)
12	Old Account Number	Previous LDC Customer Account Number	REF02	N1: N101 = <b>8R</b> REF01 = <b>45</b>	X(30)
<b><u>PTD Loop for Historical Interval Usage Summarized by Account (PTD01 = SU)</u></b>					
A PTD Loop will be provided for each type of consumption measured for y meter (PTD01 = SU) in addition to the detail PTD loop for the meter and the PTD loop that provides Scheduling Determinants when appropriate					
13	Loop Identification	Indicates if usage is provided totalized or by meter.	PTD01 = <b>SU</b>		X(2)
14.2	Service Period Start	Start date of the period for which these readings are provided	DTM02	DTM01 = <b>150</b>	X(8)
14.5	Service Period End	End date of the period for which these readings are provided	DTM02	DTM01 = <b>151</b>	X(8)
16.2	Quantity Qualifier	Represents whether the quantity is actual or estimated: <b>QD</b> = Actual <b>KA</b> = Estimated <b>87</b> = Received <b>9H</b> = Estimated Received	QTY01	PTD:	X(2)
16.4	Quantity Delivered	Represents quantity of consumption delivered for billing period.	QTY02	PTD:	9(15)
16.6	Quantity Delivered Unit of Measurement	Indicates unit of measurement for quantity of consumption delivered	QTY03	PTD	X(2)

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		during billing period.			
<b><u>PTD Loop for Historical Interval Usage that is provided at Account Level (PTD01 = BQ)</u></b>					
A PTD Loop will be provided for each type of consumption measured (PTD01 = BQ) in addition to the PTD loop that provides Scheduling Determinants when appropriate					
21	Loop Identification	Indicates if usage is provided totalized or by meter.	PTD01 = <b>BQ</b>		X(2)
22.1	Service Period Begin Date	Start date of the service period or start date of the changed in meter.	DTM02	DTM01 = <b>150</b>	9(8)
22.3	Service Period End Date	End date of the service period or end date of the changed out meter.	DTM02	DTM01 = <b>151</b>	9(8)
24	Meter Type	Code indicating type of consumption measured & interval at which measurements are taken.	REF02	PTD: REF01 = <b>MT</b>	X(5)
27	Quantity Delivered	Represents quantity of consumption delivered for billing period.	QTY02	PTD: QTY01 = <b>QD</b>	9(15)
28	Quantity Delivered Unit of Measurement	Indicates unit of measurement for quantity of consumption delivered during billing period.	QTY03	PTD: QTY01 = <b>QD</b>	X(2)
29	Report Period Date/Time	The date/time of the end of the interval.	DTM02 (CCYYMMDD) and DTM03 (HHMM)	QTY: DTM01 = <b>582</b>	DTM02= 9(8) and DTM03= 9(4)

**PTD Loop for Scheduling Determinants (PTD01 = FG)**

This PTD provides Scheduling Determinants when appropriate					
32	Loop Identification	Indicates if usage is provided totalized or by meter.	PTD01 = <b>FG</b>		X(2)
33	Profile Group	A code for the Load Profile used for this customer. Differs by LDC. Codes posted on LDC's Web site.	REF02	PTD: REF01= <b>LO</b>	X(30)
34	LDC Rate Code	Code indicating the rate a customer is being charged by LDC per tariff. Codes posted on LDC's Web site	REF02	PTD: REF01= <b>NH</b>	X(30)
35	LDC Billing Cycle	LDC Cycle on which the bill will be rendered	REF02	PTD: REF01= <b>BF</b>	X(2)
36	Capacity Obligation (a.k.a Load Responsibility)	Peak load contributions provided to PJM for Installed Capacity calculation (coincident with PJM Peak).	QTY02	PTD: QTY01 = <b>KC</b>	9(15)
37	Unit of Measure	Indicates unit of measurement for quantity of consumption delivered during billing period.	QTY03 = <b>K1</b>	PTD: QTY01 = <b>QD</b>	X(2)
38	Transmission Obligation	Customer's peak load contribution provided to PJM for the Transmission Service calculation (coincident with LDC peak).	QTY02	PTD: QTY01 = <b>KZ</b>	9(15)
39	Quantity Delivered Unit of Measurement	Indicates unit of measurement for quantity of consumption delivered during billing period.	QTY03 = <b>K1</b>	PTD: QTY01 = <b>QD</b>	X(2)

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**Segment:** **ST** Transaction Set Header  
**Position:** 010  
**Loop:**  
**Level:** Heading  
**Usage:** Mandatory  
**Max Use:** 1  
**Purpose:** To indicate the start of a transaction set and to assign a control number

**Syntax Notes:**  
**Semantic Notes:** 1 The transaction set identifier (ST01) is used by the translation routines of the interchange partners to select the appropriate transaction set definition (e.g., 810 selects the Invoice Transaction Set).

**Comments:**

<b>PA Use:</b>	Required
<b>NJ Use:</b>	Required
<b>DE Use:</b>	N/A
<b>MD Use:</b>	N/A
<b>Example:</b>	ST*867*000000001

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**Data Element Summary**

	<u>Ref. Des.</u>	<u>Data Element</u>	<u>Name</u>	<u>Attributes</u>
Must Use	ST01	143	<b>Transaction Set Identifier Code</b> Code uniquely identifying a Transaction Set	M ID 3/3
			867 Product Transfer and Resale Report	
Must Use	ST02	329	<b>Transaction Set Control Number</b> Identifying control number that must be unique within the transaction set functional group assigned by the originator for a transaction set	M AN 4/9

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**Segment:** **BPT** Beginning Segment for Product Transfer and Resale  
**Position:** 020  
**Loop:**  
**Level:** Heading  
**Usage:** Mandatory  
**Max Use:** 1  
**Purpose:** To indicate the beginning of the Product Transfer and Resale Report Transaction Set and transmit identifying data

- Syntax Notes:** 1 If either BPT05 or BPT06 is present, then the other is required.  
**Semantic Notes:** 1 BPT02 identifies the transfer/resale number.  
 2 BPT03 identifies the transfer/resale date.  
 3 BPT08 identifies the transfer/resale time.  
 4 BPT09 is used when it is necessary to reference a Previous Report Number.

**Comments:**

<b>PA Use:</b>	Required
<b>NJ Use:</b>	Required
<b>DE Use:</b>	N/A
<b>MD Use:</b>	N/A
<b>Example:</b>	BPT*52*2008070112300001*20080701*C1

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**Data Element Summary**

Ref. Des.	Data Element	Name	Attributes
Must Use	BPT01	<b>Transaction Set Purpose Code</b> Code identifying purpose of transaction set	M ID 2/2
		52 Response to Historical Inquiry Response to a request for historical meter reading.	
Must Use	BPT02	<b>Reference Identification</b> Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier	O AN 1/30
		A unique transaction identification number assigned by the originator of this transaction. This number should be unique over all time.	
Must Use	BPT03	<b>Date</b> Date (CCYYMMDD)	M DT 8/8
		The transaction creation date – the date that the data was processed by the application system.	
Must Use	BPT04	<b>Report Type Code</b> Code indicating the title or contents of a document, report or supporting item	O ID 2/2
		C1 Cost Data Summary Interval Data	

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**Segment:** **N1** Name (8S=LDC Name)  
**Position:** 080  
**Loop:** N1  
**Level:** Heading  
**Usage:** Optional  
**Max Use:** 1  
**Purpose:** To identify a party by type of organization, name, and code

- Syntax Notes:**
- 1 At least one of N102 or N103 is required.
  - 2 If either N103 or N104 is present, then the other is required.

**Semantic Notes:**

- Comments:**
- 1 This segment, used alone, provides the most efficient method of providing organizational identification. To obtain this efficiency the "ID Code" (N104) must provide a key to the table maintained by the transaction processing party.
  - 2 N105 and N106 further define the type of entity in N101.

<b>PA Use:</b>	Required
<b>NJ Use:</b>	Required
<b>DE Use:</b>	N/A
<b>MD Use:</b>	N/A
<b>Example:</b>	N1*8S*LDC COMPANY*1*007909411

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**Data Element Summary**

Ref. Des.	Data Element	Name	Attributes
Must Use N101	98	<b>Entity Identifier Code</b> Code identifying an organizational entity, a physical location, property or an individual 8S Consumer Service Provider (CSP) LDC	M ID 2/3
Must Use N102	93	<b>Name</b> Free-form name LDC Company Name	X AN 1/60
Must Use N103	66	<b>Identification Code Qualifier</b> Code designating the system/method of code structure used for Identification Code (67) 1 D-U-N-S Number, Dun & Bradstreet 9 D-U-N-S+4, D-U-N-S Number with Four Character Suffix	X ID 1/2
Must Use N104	67	<b>Identification Code</b> Code identifying a party or other code LDC D-U-N-S Number or D-U-N-S + 4 Number	X AN 2/20

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

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<b>PA Use:</b>	Required
<b>NJ Use:</b>	Required
<b>DE Use:</b>	N/A
<b>MD Use:</b>	N/A
<b>Example:</b>	N1*SJ*ESP COMPANY*9*007909422ESP1

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**Data Element Summary**

Ref. Des.	Data Element	Name	Attributes
Must Use N101	98	<b>Entity Identifier Code</b> Code identifying an organizational entity, a physical location, property or an individual SJ Service Provider ESP	M ID 2/3
Must Use N102	93	<b>Name</b> Free-form name ESP Company Name	X AN 1/60
Must Use N103	66	<b>Identification Code Qualifier</b> Code designating the system/method of code structure used for Identification Code (67) 1 D-U-N-S Number, Dun & Bradstreet 9 D-U-N-S+4, D-U-N-S Number with Four Character Suffix	X ID 1/2
Must Use N104	67	<b>Identification Code</b> Code identifying a party or other code ESP D-U-N-S Number or D-U-N-S + 4 Number	X AN 2/20

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**Segment:** **N1** Name (G7=Renewable Energy Provider Name)  
**Position:** 080  
**Loop:** N1  
**Level:** Heading  
**Usage:** Optional  
**Max Use:** 1  
**Purpose:** To identify a party by type of organization, name, and code  
**Syntax Notes:**  
 1 At least one of N102 or N103 is required.  
 2 If either N103 or N104 is present, then the other is required.  
**Semantic Notes:**  
**Comments:**  
 1 This segment, used alone, provides the most efficient method of providing organizational identification. To obtain this efficiency the "ID Code" (N104) must provide a key to the table maintained by the transaction processing party.  
 2 N105 and N106 further define the type of entity in N101.

<b>PA Use:</b>	Not Used
<b>NJ Use:</b>	Required
<b>DE Use:</b>	N/A
<b>MD Use:</b>	N/A
<b>Example:</b>	N1*G7*RENEWABLE COMPANY*9*007909422GPM

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**Data Element Summary**

Ref. Des.	Data Element	Name	Attributes
Must Use N101	98	<b>Entity Identifier Code</b> Code identifying an organizational entity, a physical location, property or an individual G7 Entity Providing the Service Renewable Energy Provider	M ID 2/3
Must Use N102	93	<b>Name</b> Free-form name Renewable Energy Provider Company Name	X AN 1/60
Must Use N103	66	<b>Identification Code Qualifier</b> Code designating the system/method of code structure used for Identification Code (67) 1 D-U-N-S Number, Dun & Bradstreet 9 D-U-N-S+4, D-U-N-S Number with Four Character Suffix	X ID 1/2
Must Use N104	67	<b>Identification Code</b> Code identifying a party or other code Renewable Energy Provider D-U-N-S Number or D-U-N-S + 4 Number	X AN 2/20

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**Segment:** **N1** Name (8R=Customer Name)  
**Position:** 080  
**Loop:** N1  
**Level:** Heading  
**Usage:** Optional  
**Max Use:** 1  
**Purpose:** To identify a party by type of organization, name, and code

- Syntax Notes:**
- 1 At least one of N102 or N103 is required.
  - 2 If either N103 or N104 is present, then the other is required.

**Semantic Notes:**

- Comments:**
- 1 This segment, used alone, provides the most efficient method of providing organizational identification. To obtain this efficiency the "ID Code" (N104) must provide a key to the table maintained by the transaction processing party.
  - 2 N105 and N106 further define the type of entity in N101.

<b>PA Use:</b>	Required
<b>NJ Use:</b>	Required
<b>DE Use:</b>	N/A
<b>MD Use:</b>	N/A
<b>Example:</b>	N1*8R*JANE DOE

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**Data Element Summary**

Ref. Des.	Data Element	Name	Attributes
Must Use N101	98	<b>Entity Identifier Code</b> Code identifying an organizational entity, a physical location, property or an individual 8R Consumer Service Provider (CSP) Customer End Use Customer	M ID 2/3
Must Use N102	93	<b>Name</b> Free-form name Customer Name as it appears on the customer's bill	X AN 1/60

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

**Comments:**

**PA Use:** Required

**NJ Use:** Required - Must be identical to account number as it appears on the customer's bill, excluding punctuation (spaces, dashes, etc.). Significant leading and trailing zeros must be included.

**DE Use:** N/A

**MD Use:** N/A

**Example:** REF\*12\*519703123457

**Data Element Summary**

Ref. Des.	Data Element	Name	Attributes
Must Use REF01	128	Reference Identification Qualifier Code qualifying the Reference Identification 12 Billing Account LDC-assigned account number for end use customer.	M ID 2/3
Must Use REF02	127	Reference Identification Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier	X AN 1/30

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Deleted: Segment: REF  
 Reference Identification (11=ESP Account Number)  
 Position: 120  
 Loop: N1  
 Level: Heading  
 Usage: Optional  
 Max Use: 12  
 Purpose: To specify identifying information  
 Syntax Notes: 1 At least one of REF02 or REF03 is required.  
 2 If either C04003 or C04004 is present, then the other is required.  
 3 If either C04005 or C04006 is present, then the other is required.  
 Semantic Notes: 1 REF04 contains data relating to the value cited in REF02.  
 Comments:  
 PA Use: ... [2]

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Deleted: RECO only uses REF03 value of "U" for unmetered usage. Separate historical usage requests must be made, and separate 867HU responses sent. No other EDC uses REF03.

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**Segment:** REF Reference Identification (45=LDC Old Account Number)  
**Position:** 120  
**Loop:** N1  
**Level:** Heading  
**Usage:** Optional  
**Max Use:** 12  
**Purpose:** To specify identifying information  
**Syntax Notes:**  
 1 At least one of REF02 or REF03 is required.  
 2 If either C04003 or C04004 is present, then the other is required.  
 3 If either C04005 or C04006 is present, then the other is required.  
**Semantic Notes:**  
 1 REF04 contains data relating to the value cited in REF02.

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**Comments:**

<b>PA Use:</b>	Required if account number changed in the last 60 days.
<b>NJ Use:</b>	Required if account number changed in the last 60 days.
<b>DE Use:</b>	N/A
<b>MD Use:</b>	N/A
<b>Example:</b>	REF*45*451105687500

- Deleted: N/A
- Deleted: ¶  
Note: Only used when LDC is sending this transaction.

**Data Element Summary**

	<u>Ref. Des.</u>	<u>Data Element</u>	<u>Name</u>	<u>Attributes</u>
Must Use	REF01	128	<b>Reference Identification Qualifier</b> Code qualifying the Reference Identification 45 Old Account Number LDC's previous account number for the end use customer.	M ID 2/3
Must Use	REF02	127	<b>Reference Identification</b> Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier	X AN 1/30

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**Segment:** **PTD** Product Transfer and Resale Detail (SU= Interval Summary-Account)  
**Position:** 010  
**Loop:** PTD  
**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.

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**Semantic Notes:**  
**Comments:**

<b>Notes:</b>	This PTD Loop will be used when providing Historical Interval Usage by account. <u>The PTD*SU Loop sums the intervals for the month by unit of measure for each bill period. Demand is never reported in the PTD*SU Loop. Individual intervals are not reported in the PTD*SU Loop.</u>  <u>One PTD*SU loop is required for each unit of measure for each bill period.</u>
<b>PA Use:</b>	<u>Required.</u>
<b>NJ Use:</b>	Required if providing Historical Interval Usage by Account; otherwise, not used. <b>Note:</b> Only PSEG is using this loop.
<b>DE Use:</b>	N/A
<b>MD Use:</b>	N/A
<b>Examples:</b>	PTD*SU

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- Deleted: The PTD\*SU Loops sum the intervals for the month by unit of measure for each meter. In the PTD\*SU consumption across intervals and across the same unit of measure is summarized at the bill cycle reporting period. Demand is never reported in the PTD\*SU Loop. Individual intervals are not reported in the PTD01=SU Loop. ¶  
¶  
One PTD\*SU loop is required for each meter for each unit of measure.¶
- Deleted: N/A

**Data Element Summary**

Must Use	Ref. Des.	Data Element	Name	Attributes
	PTD01	521	<b>Product Transfer Type Code</b> Code identifying the type of product transfer	M ID 2/2
			SU Designated Items	
			Account Services Summary	

X ID 2/3

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Segment: **QTY** Quantity

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

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<b>Notes:</b>	Each QTY/MEA/DTM loop conveys consumption information about one interval.
<b>PA Use:</b>	<u>Same as NJ</u>
<b>NJ Use:</b>	Required if providing Historical Usage by Account; otherwise, not used. <u>Each QTY/MEA/DTM loop conveys consumption information about one bill period.</u>
Note: For an interval account, this provides the net total usage for the bill period.	
<b>DE Use:</b>	N/A
<b>MD Use:</b>	N/A
<b>Example:</b>	QTY*QD*5210*KH

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**Data Element Summary**

Ref. Des.	Data Element	Name	Attributes
Must Use	QTY01	673 <b>Quantity Qualifier</b> Code specifying the type of quantity	M ID 2/2
		KA Estimated Used when Quantity in QTY02 is Estimated	
		QD Quantity Delivered Used when Quantity in QTY02 is Actual	
		87 Quantity Received Quantity Received from customer in a Co-generation environment	
		9H Estimated Duration The quantity received shown is an estimated quantity in a Co-generation environment	
Must Use	QTY02	380 <b>Quantity</b> Numeric value of quantity	X R 1/15
Must Use	QTY03	355 <b>Unit or Basis for Measurement Code</b> Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken	M ID 2/2
		<u>K1 Kilowatt Demand (KW)</u> <u>Represents potential power load measured at predetermined intervals</u>	
		K3 Kilovolt Amperes Reactive Hour (kVARH) Represents actual electricity equivalent to kilowatt hours; billable when usage meets or exceeds defined parameters	
		KH Kilowatt Hour	

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**Segment:** **DTM** Date/Time Reference (150=Service Period Start)  
**Position:** 210  
**Loop:** QTY  
**Level:** Detail  
**Usage:** Optional  
**Max Use:** 10  
**Purpose:** To specify pertinent dates and times  
**Syntax Notes:**

- 1 At least one of DTM02 DTM03 or DTM05 is required.
- 2 If DTM04 is present, then DTM03 is required.
- 3 If either DTM05 or DTM06 is present, then the other is required.

**Semantic Notes:**  
**Comments:**

<b>Notes:</b>	This date reflects the beginning of the date range for this account for this billing period.
<b>PA Use:</b>	Required.
<b>NJ Use:</b>	Required.
<b>DE Use:</b>	N/A
<b>MD Use:</b>	N/A
<b>Example:</b>	DTM*150*20080101

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**Data Element Summary**

Ref.	Data			
<u>Des.</u>	<u>Element</u>	<u>Name</u>		<u>Attributes</u>
Must Use	DTM01	374	<b>Date/Time Qualifier</b> Code specifying type of date or time, or both date and time	M ID 3/3
		150	Service Period Start	
Must Use	DTM02	373	<b>Date</b> Date expressed as CCYYMMDD	X DT 8/8

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- Deleted: October 2, 2008
- Inserted: October 2
- Deleted: 6
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- Deleted: 3D

Segment: **DTM** Date/Time Reference (151=Service Period End)

**Position:** 210  
**Loop:** QTY  
**Level:** Detail  
**Usage:** Optional  
**Max Use:** 10  
**Purpose:** To specify pertinent dates and times  
**Syntax Notes:**

- 1 At least one of DTM02 DTM03 or DTM05 is required.
- 2 If DTM04 is present, then DTM03 is required.
- 3 If either DTM05 or DTM06 is present, then the other is required.

**Semantic Notes:**  
**Comments:**

<b>Notes:</b>	This date reflects the end of the date range for this account for this billing period.
<b>PA Use:</b>	Required.
<b>NJ Use:</b>	Required.
<b>DE Use:</b>	N/A
<b>MD Use:</b>	N/A
<b>Example:</b>	DTM*151*20080131

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**Data Element Summary**

Ref. Des.	Data Element	Name	Attributes
Must Use DTM01	374	<b>Date/Time Qualifier</b> Code specifying type of date or time, or both date and time	M ID 3/3
		151 Service Period End	
Must Use DTM02	373	<b>Date</b> Date expressed as CCYYMMDD	X DT 8/8

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**Segment:** **PTD** Product Transfer and Resale Detail (BQ=Account Services Detail)  
**Position:** 010  
**Loop:** PTD  
**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:**

<b>Notes:</b>	This PTD Loop will be used when providing Historical Interval Usage by account. There must be one loop for each unit of measurement.
<b>PA Use:</b>	Required
<b>NJ Use:</b>	Required if providing Historical Interval Usage by account; otherwise, not used. Note: Only PSEG is using this loop.
<b>DE Use:</b>	N/A
<b>MD Use:</b>	N/A
<b>Examples:</b>	PTD*BQ

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**Data Element Summary**

Ref. Des.	Data Element	Name	Attributes
Must Use	PTD01	521 Product Transfer Type Code	M ID 2/2
		Code identifying the type of product transfer	
		BQ Other	
		<b>Account Services Detail</b>	
		Issue from inventory, when a specific reason type is not otherwise provided	
		Consumption Provided by Meter by unit of measure.	

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**Segment:** **DTM** Date/Time Reference (150=Service Period Start)  
**Position:** 020  
**Loop:** PTD  
**Level:** Detail  
**Usage:** Optional  
**Max Use:** 10  
**Purpose:** To specify pertinent dates and times  
**Syntax Notes:** 1 At least one of DTM02 DTM03 or DTM05 is required.  
 2 If DTM04 is present, then DTM03 is required.  
 3 If either DTM05 or DTM06 is present, then the other is required.

**Semantic Notes:**  
**Comments:**

<b>Notes:</b>	This date reflects the beginning of the date range for this account for this billing period.
<b>PA Use:</b>	Required
<b>NJ Use:</b>	Required
<b>DE Use:</b>	N/A
<b>MD Use:</b>	N/A
<b>Example:</b>	DTM*150*20080101

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**Data Element Summary**

	<u>Ref. Des.</u>	<u>Data Element</u>	<u>Name</u>	<u>Attributes</u>
Must Use	DTM01	374	Date/Time Qualifier Code specifying type of date or time, or both date and time 150 Service Period Start	M ID 3/3
Must Use	DTM02	373	Date Date expressed as CCYYMMDD	X DT 8/8

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Segment: **DTM** Date/Time Reference (151=Service Period End)

- Position:** 020
- Loop:** PTD
- Level:** Detail
- Usage:** Optional
- Max Use:** 10
- Purpose:** To specify pertinent dates and times
- Syntax Notes:**
  - 1 At least one of DTM02 DTM03 or DTM05 is required.
  - 2 If DTM04 is present, then DTM03 is required.
  - 3 If either DTM05 or DTM06 is present, then the other is required.

**Semantic Notes:**  
**Comments:**

<b>Notes:</b>	This date reflects the end of the date range for this account for this billing period.
<b>PA Use:</b>	Required
<b>NJ Use:</b>	Required
<b>DE Use:</b>	N/A
<b>MD Use:</b>	N/A
<b>Example:</b>	DTM*151*20080131

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**Data Element Summary**

	<u>Ref. Des.</u>	<u>Data Element</u>	<u>Name</u>	<u>Attributes</u>
Must Use	DTM01	374	Date/Time Qualifier Code specifying type of date or time, or both date and time 151 Service Period End	M ID 3/3
Must Use	DTM02	373	Date Date expressed as CCYYMMDD	X DT 8/8

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Segment: **REF** Reference Identification (MT=Meter Type)

**Position:** 030  
**Loop:** PTD  
**Level:** Detail  
**Usage:** Optional  
**Max Use:** 20  
**Purpose:** To specify identifying information  
**Syntax Notes:** 1 At least one of REF02 or REF03 is required.  
 2 If either C04003 or C04004 is present, then the other is required.  
 3 If either C04005 or C04006 is present, then the other is required.  
**Semantic Notes:** 1 REF04 contains data relating to the value cited in REF02.

**Comments:**

<b>PA Use:</b>	Required
<b>NJ Use:</b>	Required if providing Historical Interval Usage by account; otherwise, not used.
<b>DE Use:</b>	N/A
<b>MD Use:</b>	N/A
<b>Example:</b>	REF*MT*KH060

Deleted: N/A

**Data Element Summary**

Ref. Des.	Data Element	Name	X12 Attributes
Must Use REF01	128	Reference Identification Qualifier Code qualifying the Reference Identification MT Meter Type	M ID 2/3
Must Use REF02	127	Reference Identification Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier When REF01 is MT, the meter type is expressed as a five-character field. The first two characters are the type of consumption, the last three characters are the metering interval. "COMBO" is used for a meter that records more than one measurement. Valid values can be a combination of the following values:	X AN 1/30

**Type of Consumption**

K1	Kilowatt Demand
K2	Kilovolt Amperes Reactive Demand
K3	Kilovolt Amperes Reactive Hour
K4	Kilovolt Amperes
K5	Kilovolt Amperes Reactive
KH	Kilowatt Hour
T9	Thousand Kilowatt Hours

**Metering Interval**

Nnn	Number of minutes from 001 to 999
ANN	Annual
BIA	Bi-annual
BIM	Bi-monthly
DAY	Daily
MON	Monthly
QTR	Quarterly

For Example:

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

**Other Valid Codes**

COMBO This code is used to indicate that the meter has multiple measurements, e.g., one meter that measures both kWh and Demand.

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

<b>Notes:</b>	Each QTY/MEA/DTM loop conveys consumption information about one metering interval.
<b>PA Use:</b>	Required
<b>NJ Use:</b>	Required if providing Historical Interval Usage by account; otherwise, not used.  Note: For a net metered account, the "net usage" is provided.
<b>DE Use:</b>	N/A
<b>MD Use:</b>	N/A
<b>Example:</b>	QTY*QD*5210*KH

Deleted: N/A

**Data Element Summary**

Ref. Des.	Data Element	Name	Attributes
Must Use	QTY01	673 Quantity Qualifier Code specifying the type of quantity	M ID 2/2
		KA Estimated Used when Quantity in QTY02 is Estimated	
		QD Quantity Delivered Used when Quantity in QTY02 is Actual	
		87 Quantity Received Quantity Received from customer in a Co-generation environment	
		9H Estimated Duration The quantity received shown is an estimated quantity in a Co-generation environment	
Must Use	QTY02	380 Quantity Numeric value of quantity	X R 1/15
Must Use	QTY03	355 Unit or Basis for Measurement Code Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken	M ID 2/2
		K1 Kilowatt Demand (KW) Represents potential power load measured at predetermined intervals	
		K3 Kilovolt Amperes Reactive Hour (kVARH) Represents actual electricity equivalent to kilowatt hours; billable when usage meets or exceeds defined parameters	
		KH Kilowatt Hour	

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**Segment:** **DTM** Date/Time Reference (582=Report Report)

- Position:** 210
- Loop:** QTY
- Level:** Detail
- Usage:** Optional
- Max Use:** 10
- Purpose:** To specify pertinent dates and times
- Syntax Notes:**
  - 1 At least one of DTM02 DTM03 or DTM05 is required.
  - 3 If DTM04 is present, then DTM03 is required.
  - 3 If either DTM05 or DTM06 is present, then the other is required.

**Semantic Notes:**  
**Comments:**

<b>Notes:</b>	End date and time of the period for which the quantity is provided. Time will include zone. Each interval must be explicitly labeled with the date and time.
<b>PA Use:</b>	Required
<b>NJ Use:</b>	Required
<b>DE Use:</b>	N/A
<b>MD Use:</b>	N/A
<b>Example:</b>	DTM*582*20080115*1500*ET

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**Data Element Summary**

Ref. Des.	Data Element	Name	Attributes
Must Use	DTM01	374 Date/Time Qualifier	M ID 3/3
		Code specifying type of date or time, or both date and time	
		582 Report Period	
		The date/time of the end of the interval.	
Must Use	DTM02	373 Date	X DT 8/8
		Date expressed as CCYYMMDD	
Must Use	DTM03	337 Time	X TM 4/8
		Time expressed in 24-hour clock time as follows: HHMM, or HHMMSS, or HHMMSSD, or HHMMSSDD, where H = hours (00-23), M = minutes (00-59), S = integer seconds (00-59) and DD = decimal seconds; decimal seconds are expressed as follows: D = tenths (0-9) and DD = hundredths (00-99)	
		HHMM format	
Must Use	DTM04	623 Time Code	O ID 2/2
		Code identifying the time. In accordance with International Standards Organization standard 8601, time can be specified by a + or - and an indication in hours in relation to Universal Time Coordinate (UTC) time; since + is a restricted character, + and - are substituted by P and M in the codes that follow	
		The time code must accurately provide the time zone when the daylight savings time starts and ends if the meter is adjusted for daylight savings time. If meter is not adjusted for daylight savings time, the time code will always reflect Eastern Daylight Time which will be interpreted as prevailing time.	
		ED Eastern Daylight Time	
		ES Eastern Standard Time	

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- Deleted: 3D

**Segment:** **PTD** Product Transfer and Resale Detail (BO= Interval Summary)  
**Position:** 010  
**Loop:** PTD  
**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:** This PTD Loop will be used when providing Historical Interval Usage by meter. The PTD\*BO Loops sum the intervals for the month by unit of measure for each meter. In the PTD\*BO consumption across intervals and across the same unit of measure is summarized at the meter level by meter cycle reporting period. Demand is never reported in the PTD\*BO Loop. Individual intervals are not reported in the PTD01=BO Loop.

One PTD\*BO loop is required for each meter for each unit of measure. There will be on PTD\*BO loop for each month.

**PA Use:** Not Used

**NJ Use:** Not Used

**DE Use:** N/A

**MD Use:** N/A

**Examples:** PTD\*BO\*\*\*MG\*87876567

- Deleted: Required if providing Historical Usage by Meter; otherwise, not used.
- Deleted:

**Data Element Summary**

Ref. Des.	Data Element	Name	Attributes
<b>Must Use</b>	<b>PTD01</b>	<b>521</b>	<b>Product Transfer Type Code</b> Code identifying the type of product transfer M ID 2/2
		BO	Designated Items Meter Services Interval Summary
<b>Must Use</b>	<b>PTD04</b>	<b>128</b>	<b>Reference Identification Qualifier</b> Code qualifying the Reference Identification X ID 2/3
		MG	Meter Number
<b>Must Use</b>	<b>PTD05</b>	<b>127</b>	<b>Reference Identification</b> Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier X AN 1/30 Meter Number
			Meter numbers will contain only uppercase letters (A to Z) and digits (0 to 9). Note that punctuation (spaces, dashes, etc.) must be excluded, and significant leading and trailing zeros that are part of the meter number must be present.

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**Segment: DTM** Date/Time Reference (150=Service Period Start)

**Position:** 020

**Loop:** PTD

**Level:** Detail

**Usage:** Optional

**Max Use:** 10

**Purpose:** To specify pertinent dates and times

**Syntax Notes:** 1 At least one of DTM02 DTM03 or DTM05 is required.

2 If DTM04 is present, then DTM03 is required.

3 If either DTM05 or DTM06 is present, then the other is required.

**Semantic Notes:**

**Comments:**

**Notes:** This date reflects the beginning of the date range for this meter for this billing period.

This specific PTD loop is required if there are metered services on the account. Required, unless a "DTM\*514" is substituted for this code.

**PA Use:** Not Used

**NJ Use:** Not Used

**DE Use:** N/A

**MD Use:** N/A

**Example:** DTM\*150\*20080101

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- Deleted: October 2, 2008
- Inserted: October 2
- Deleted: 6
- Inserted: 6
- Deleted: 3D

- Deleted: Required, unless a "DTM\*514" is substituted for this code.
- Inserted: Required, unless a "DTM\*514" is substituted for this ... [4]

**Data Element Summary**

Ref.	Des.	Data Element	Name	Attributes
Must Use	<u>DTM01</u>	<u>374</u>	<u>Date/Time Qualifier</u> Code specifying type of date or time, or both date and time	<u>M</u> <u>ID 3/3</u>
			150 Service Period Start	
Must Use	<u>DTM02</u>	<u>373</u>	<u>Date</u> Date expressed as CCYYMMDD	<u>X</u> <u>DT 8/8</u>

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**Segment: DTM** Date/Time Reference (151=Service Period End)

**Position:** 020  
**Loop:** PTD  
**Level:** Detail  
**Usage:** Optional  
**Max Use:** 10  
**Purpose:** To specify pertinent dates and times  
**Syntax Notes:** 1 At least one of DTM02 DTM03 or DTM05 is required.  
 2 If DTM04 is present, then DTM03 is required.  
 3 If either DTM05 or DTM06 is present, then the other is required.

**Semantic Notes:**

**Comments:**

<b>Notes:</b>	This date reflects the end of the date range for this meter for this billing period.  This specific PTD loop is required if there are metered services on the account. Required, unless a "DTM*514" is substituted for this code.
<b>PA Use:</b>	Not Used
<b>NJ Use:</b>	Not Used
<b>DE Use:</b>	N/A
<b>MD Use:</b>	N/A
<b>Example:</b>	DTM*151*20080131

- Deleted: April
- Deleted: 17
- Deleted: October 2, 2008
- Inserted: October 2
- Deleted: 6
- Inserted: 6
- Deleted: 3D

- Deleted: Required, unless a "DTM\*514" is substituted for this code.
- Inserted: Required, unless a "DTM\*514" is substituted for this ... [5]

**Data Element Summary**

Ref.	Des.	Data Element	Name	Attributes
Must Use	<u>DTM01</u>	<u>374</u>	<u>Date/Time Qualifier</u> Code specifying type of date or time, or both date and time	<u>M</u> <u>ID 3/3</u>
			<u>151</u> <u>Service Period End</u>	
Must Use	<u>DTM02</u>	<u>373</u>	<u>Date</u> Date expressed as CCYYMMDD	<u>X</u> <u>DT 8/8</u>

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**Segment: DTM** Date/Time Reference (514=Meter Exchange Date)

**Position:** 020  
**Loop:** PTD  
**Level:** Detail  
**Usage:** Optional  
**Max Use:** 10  
**Purpose:** To specify pertinent dates and times  
**Syntax Notes:** 1 At least one of DTM02 DTM03 or DTM05 is required.  
 2 If DTM04 is present, then DTM03 is required.  
 3 If either DTM05 or DTM06 is present, then the other is required.

**Semantic Notes:**

**Comments:**

<b>Notes:</b>	Used in conjunction with either the Service Period Start Date or the Service Period End Date to indicate when a meter has been replaced. Separate PTD loops must be created for each period and meter. Required when a meter is changed and the meter agent does not change.
<b>PA Use:</b>	Not Used
<b>NJ Use:</b>	Not Used
<b>DE Use:</b>	N/A
<b>MD Use:</b>	N/A
<b>Example:</b>	Date Range in the first PTD is shown as: DTM*150*20080201 DTM*514*20080214  Date Range in the second PTD is shown as: DTM*514*20080214 DTM*151*20080228

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- Inserted: 6
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- Deleted: Required when a meter is changed and the meter agent does not change.
- Inserted: Required when a meter is changed and the meter agent does not change. ... [6]

**Data Element Summary**

Ref.	Data	Element	Name	Attributes
<b>Must Use</b>	<b>DTM01</b>	<b>374</b>	<b>Date/Time Qualifier</b> Code specifying type of date or time, or both date and time 514 Transferred Exchanged meter read date	<b>M ID 3/3</b>
<b>Must Use</b>	<b>DTM02</b>	<b>373</b>	<b>Date</b> Date expressed as CCYYMMDD	<b>X DT 8/8</b>

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**Segment:** **QTY** Quantity

**Position:** 110

**Loop:** QTY

**Level:** Detail

**Usage:** Optional

**Max Use:** 1

**Purpose:** To specify quantity information

**Syntax Notes:** 1 At least one of QTY02 or QTY04 is required.  
2 Only one of QTY02 or QTY04 may be present.

**Semantic Notes:** 1 QTY04 is used when the quantity is non-numeric.

**Comments:**

<b>Notes:</b>	Each QTY/MEA/DTM loop conveys consumption information about one metering interval.
<b>PA Use:</b>	Not Used
<b>NJ Use:</b>	Not Used
<b>DE Use:</b>	N/A
<b>MD Use:</b>	N/A
<b>Example:</b>	QTY*QD*5210*KH

Deleted: Required if providing Historical Usage by Meter; otherwise, not used.

**Data Element Summary**

Ref.	Data		Attributes
Des.	Element	Name	
<b>Must Use</b>	<b>QTY01</b>	<b>673</b>	<b>M ID 2/2</b>
		<b>Quantity Qualifier</b>	
		Code specifying the type of quantity	
		<u>KA</u>	<u>Estimated</u>
			<u>Used when Quantity in QTY02 is Estimated</u>
		<u>QD</u>	<u>Quantity Delivered</u>
			<u>Used when Quantity in QTY02 is Actual</u>
		<u>87</u>	<u>Quantity Received</u>
			<u>Quantity Received from customer in a Co-generation environment</u>
		<u>9H</u>	<u>Estimated Duration</u>
			<u>The quantity received shown is an estimated quantity in a Co-generation environment</u>
<b>Must Use</b>	<b>QTY02</b>	<b>380</b>	<b>X R 1/15</b>
		<b>Quantity</b>	
		Numeric value of quantity	
<b>Must Use</b>	<b>QTY03</b>	<b>355</b>	<b>M ID 2/2</b>
		<b>Unit or Basis for Measurement Code</b>	
		Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken	
		<u>K1</u>	<u>Kilowatt Demand (KW)</u>
			<u>Represents potential power load measured at predetermined intervals</u>
		<u>K3</u>	<u>Kilovolt Amperes Reactive Hour (kVARH)</u>
			<u>Represents actual electricity equivalent to kilowatt hours; billable when usage meets or exceeds defined parameters</u>
		<u>KH</u>	<u>Kilowatt Hour</u>

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**Segment:** **PTD** Product Transfer and Resale Detail (PM=Meter Detail)

**Position:** 010

**Loop:** PTD

**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:** This PTD Loop will be used when providing Historical Interval Usage by meter. There must be one loop for each unit of measurement for each meter.

**PA Use:** Required if providing Historical Usage by Meter; otherwise, not used.

**NJ Use:** Not Used

**DE Use:** N/A

**MD Use:** N/A

**Examples:** PTD\*PM

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**Data Element Summary**

Ref.	Data		Attributes
Des.	Element	Name	
<b>Must Use</b>	<b>PTD01</b>	<b>521</b>	<b>M ID 2/2</b>
		<b>Product Transfer Type Code</b>	
		Code identifying the type of product transfer	
		PM	Physical Meter Information
			Consumption Provided by Meter by unit of measure.

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**Segment: DTM** Date/Time Reference (150=Service Period Start)

**Position:** 020

**Loop:** PTD

**Level:** Detail

**Usage:** Optional

**Max Use:** 10

**Purpose:** To specify pertinent dates and times

**Syntax Notes:** 1 At least one of DTM02 DTM03 or DTM05 is required.

2 If DTM04 is present, then DTM03 is required.

3 If either DTM05 or DTM06 is present, then the other is required.

**Semantic Notes:**

**Comments:**

<b>Notes:</b>	This date reflects the beginning of the date range for this meter for this billing period.
	This specific PTD loop is required if there are metered services on the account.
<b>PA Use:</b>	Required, unless a "DTM*514" is substituted for this code.
<b>NJ Use:</b>	Not Used
<b>DE Use:</b>	N/A
<b>MD Use:</b>	N/A
<b>Example:</b>	DTM*150*20080101

**Data Element Summary**

Ref.	Data		Attributes
Des.	Element	Name	
<u>Must Use</u>	<u>DTM01</u>	<u>374</u>	<u>Date/Time Qualifier</u>
			<u>M</u> <u>ID 3/3</u>
		Code specifying type of date or time, or both date and time	
		<u>150</u>	<u>Service Period Start</u>
<u>Must Use</u>	<u>DTM02</u>	<u>373</u>	<u>Date</u>
			<u>X</u> <u>DT 8/8</u>
		Date expressed as CCYYMMDD	

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**Segment: DTM** Date/Time Reference (151=Service Period End)

**Position:** 020  
**Loop:** PTD  
**Level:** Detail  
**Usage:** Optional  
**Max Use:** 10  
**Purpose:** To specify pertinent dates and times  
**Syntax Notes:** 1 At least one of DTM02 DTM03 or DTM05 is required.  
 2 If DTM04 is present, then DTM03 is required.  
 3 If either DTM05 or DTM06 is present, then the other is required.

**Semantic Notes:**

**Comments:**

<b>Notes:</b>	This date reflects the end of the date range for this meter for this billing period.
	This specific PTD loop is required if there are metered services on the account.
<b>PA Use:</b>	Required, unless a "DTM*514" is substituted for this code.
<b>NJ Use:</b>	Not Used
<b>DE Use:</b>	N/A
<b>MD Use:</b>	N/A
<b>Example:</b>	DTM*151*20080131

**Data Element Summary**

Ref.	Data		Attributes
Des.	Element	Name	
<u>Must Use</u>	<u>DTM01</u>	<u>374</u>	<u>M</u> <u>ID 3/3</u>
		<u>Date/Time Qualifier</u>	
		Code specifying type of date or time, or both date and time	
		151 Service Period End	
<u>Must Use</u>	<u>DTM02</u>	<u>373</u>	<u>X</u> <u>DT 8/8</u>
		<u>Date</u>	
		Date expressed as CCYYMMDD	

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**Segment:** **DTM** Date/Time Reference (514=Meter Exchange Date)  
**Position:** 020  
**Loop:** PTD  
**Level:** Detail  
**Usage:** Optional  
**Max Use:** 10  
**Purpose:** To specify pertinent dates and times  
**Syntax Notes:** 1 At least one of DTM02 DTM03 or DTM05 is required.  
 2 If DTM04 is present, then DTM03 is required.  
 3 If either DTM05 or DTM06 is present, then the other is required.

**Semantic Notes:**

**Comments:**

<b>Notes:</b>	Used in conjunction with either the Service Period Start Date or the Service Period End Date to indicate when a meter has been replaced. Separate PTD loops must be created for each period and meter.
<b>PA Use:</b>	Required when a meter is changed and the meter agent does not change.
<b>NJ Use:</b>	Not Used
<b>DE Use:</b>	N/A
<b>MD Use:</b>	N/A
<b>Example:</b>	Date Range in the first PTD is shown as: DTM*150*20080201 DTM*514*20080214  Date Range in the second PTD is shown as: DTM*514*20080214 DTM*151*20080228

**Data Element Summary**

Ref.	Data		Attributes
Des.	Element	Name	
<b>Must Use</b>	<b>DTM01</b>	<b>374</b>	<b>Date/Time Qualifier</b>
			<b>M ID 3/3</b>
		Code specifying type of date or time, or both date and time	
		514 Transferred	
		Exchanged meter read date	
<b>Must Use</b>	<b>DTM02</b>	<b>373</b>	<b>Date</b>
			<b>X DT 8/8</b>
		Date expressed as CCYYMMDD	

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- Inserted: October 2
- Deleted: 6
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**Segment:** **REF** Reference Identification (MG=Meter Number)

**Position:** 030

**Loop:** PTD

**Level:** Detail

**Usage:** Optional

**Max Use:** 20

**Purpose:** To specify identifying information

**Syntax Notes:** 1 At least one of REF02 or REF03 is required.

2 If either C04003 or C04004 is present, then the other is required.

3 If either C04005 or C04006 is present, then the other is required.

**Semantic Notes:** 1 REF04 contains data relating to the value cited in REF02.

**Comments:**

**PA Use:** Required if providing Historical Usage by Meter; otherwise, not used.

**NJ Use:** Not Used

**DE Use:** N/A

**MD Use:** N/A

**Example:** REF\*MG\*87876567

**Data Element Summary**

Ref.	Data	Name		Attributes
Des.	Element			
<b>Must Use</b>	<b>REF01</b>	<b>128</b>	<b>Reference Identification Qualifier</b>	<b>M ID 2/3</b>
			Code qualifying the Reference Identification	
			MG Meter Number	
			Meter ID Serial Number	
<b>Must Use</b>	<b>REF02</b>	<b>127</b>	<b>Reference Identification</b>	<b>X AN 1/30</b>
			Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier	

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**Segment:** **REF** Reference Identification (MT=Meter Type)  
**Position:** 030  
**Loop:** PTD  
**Level:** Detail  
**Usage:** Optional  
**Max Use:** 20  
**Purpose:** To specify identifying information  
**Syntax Notes:** 1 At least one of REF02 or REF03 is required.  
 2 If either C04003 or C04004 is present, then the other is required.  
 3 If either C04005 or C04006 is present, then the other is required.  
**Semantic Notes:** 1 REF04 contains data relating to the value cited in REF02.

**Comments:**

<b>PA Use:</b>	Required if providing Historical Usage by Meter; otherwise, not used.
<b>NJ Use:</b>	Not Used
<b>DE Use:</b>	N/A
<b>MD Use:</b>	N/A
<b>Example:</b>	REF*MT*KHMON

**Data Element Summary**

Ref.	Data		X12 Attributes
Des.	Element	Name	
<b>Must Use</b>	<b>REF01</b>	<b>128</b>	<b>M ID 2/3</b>
		<b>Reference Identification Qualifier</b> Code qualifying the Reference Identification	
		<u>MT</u> <u>Meter Type</u>	
		<u>Billing Data Types and Interval Frequencies</u>	
<b>Must Use</b>	<b>REF02</b>	<b>127</b>	<b>X AN 1/30</b>
		<b>Reference Identification</b> Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier	
		<u>When REF01 is MT, the meter type is expressed as a five-character field. The first two characters are the type of consumption, the last three characters are the metering interval. "COMBO" is used for a meter that records more than one measurement. Valid values can be a combination of the following values:</u>	

**Type of Consumption**

<u>K1</u>	<u>Kilowatt Demand</u>
<u>K2</u>	<u>Kilovolt Amperes Reactive Demand</u>
<u>K3</u>	<u>Kilovolt Amperes Reactive Hour</u>
<u>K4</u>	<u>Kilovolt Amperes</u>
<u>K5</u>	<u>Kilovolt Amperes Reactive</u>
<u>KH</u>	<u>Kilowatt Hour</u>
<u>T9</u>	<u>Thousand Kilowatt Hours</u>

**Metering Interval**

<u>Nnn</u>	<u>Number of minutes from 001 to 999</u>
<u>ANN</u>	<u>Annual</u>
<u>BIA</u>	<u>Bi-annual</u>
<u>BIM</u>	<u>Bi-monthly</u>
<u>DAY</u>	<u>Daily</u>
<u>MON</u>	<u>Monthly</u>
<u>QTR</u>	<u>Quarterly</u>

**For Example:**

<u>KHMON</u>	<u>Kilowatt Hours Per Month</u>
<u>K1015</u>	<u>Kilowatt Demand per 15 minute interval</u>

**Other Valid Codes**

<u>COMBO</u>	<u>This code is used to indicate that the meter has multiple measurements, e.g., one meter that measures both kWh and Demand.</u>
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**Segment:** **REF** Reference Identification (NH=LDC Rate Class)

**Position:** 030

**Loop:** PTD

**Level:** Detail

**Usage:** Optional

**Max Use:** 20

**Purpose:** To specify identifying information

- Syntax Notes:**
- 1 At least one of REF02 or REF03 is required.
  - 2 If either C04003 or C04004 is present, then the other is required.
  - 3 If either C04005 or C04006 is present, then the other is required.

**Semantic Notes:** 1 REF04 contains data relating to the value cited in REF02.

**Comments:**

<b>PA Use:</b>	Required if providing Historical Usage by Meter; otherwise, not used.
<b>NJ Use:</b>	Not Used
<b>DE Use:</b>	N/A
<b>MD Use:</b>	N/A
<b>Example:</b>	REF*NH*GS1

**Data Element Summary**

Ref. Des.	Data Element	Name	Attributes
<b>Must Use</b>	<b>REF01</b>	<b>128</b>	<b>Reference Identification Qualifier</b> Code qualifying the Reference Identification NH LDC Rate Code <b>M ID 2/3</b>
<b>Must Use</b>	<b>REF02</b>	<b>127</b>	<b>Reference Identification</b> Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier <b>X AN 1/30</b>

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

**Comments:**

<b>Notes:</b>	Each QTY/MEA/DTM loop conveys consumption information about one metering interval.
<b>PA Use:</b>	Required if providing Historical Usage by Meter; otherwise, not used.
<b>NJ Use:</b>	Not Used
<b>DE Use:</b>	N/A
<b>MD Use:</b>	N/A
<b>Example:</b>	QTY*QD*5210*KH

**Data Element Summary**

Ref.	Data			Attributes
Des.	Element	Name		
<b>Must Use</b>	<b>QTY01</b>	<b>673</b>	<b>Quantity Qualifier</b> <small>Code specifying the type of quantity</small>	<b>M ID 2/2</b>
		<b>KA</b>	<b>Estimated</b> <small>Used when Quantity in QTY02 is Estimated</small>	
		<b>QD</b>	<b>Quantity Delivered</b> <small>Used when Quantity in QTY02 is Actual</small>	
		<b>87</b>	<b>Quantity Received</b> <small>Quantity Received from customer in a Co-generation environment</small>	
		<b>9H</b>	<b>Estimated Duration</b> <small>The quantity received shown is an estimated quantity in a Co-generation environment</small>	
<b>Must Use</b>	<b>QTY02</b>	<b>380</b>	<b>Quantity</b> <small>Numeric value of quantity</small>	<b>X R 1/15</b>
<b>Must Use</b>	<b>QTY03</b>	<b>355</b>	<b>Unit or Basis for Measurement Code</b> <small>Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken</small>	<b>M ID 2/2</b>
		<b>K1</b>	<b>Kilowatt Demand (KW)</b> <small>Represents potential power load measured at predetermined intervals</small>	
		<b>K3</b>	<b>Kilovolt Amperes Reactive Hour (kVARH)</b> <small>Represents actual electricity equivalent to kilowatt hours; billable when usage meets or exceeds defined parameters</small>	
		<b>KH</b>	<b>Kilowatt Hour</b>	

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**Segment: DTM** Date/Time Reference (582=Report Report)

**Position:** 210  
**Loop:** QTY  
**Level:** Detail  
**Usage:** Optional  
**Max Use:** 10

**Purpose:** To specify pertinent dates and times

**Syntax Notes:** 1 At least one of DTM02 DTM03 or DTM05 is required.

4 If DTM04 is present, then DTM03 is required.

4 If either DTM05 or DTM06 is present, then the other is required.

**Semantic Notes:**

**Comments:**

**Notes:** End date and time of the period for which the quantity is provided. Time will include zone. Each interval must be explicitly labeled with the date and time.

**PA Use:** Required

**NJ Use:** Not Used

**DE Use:** N/A

**MD Use:** N/A

**Example:** DTM\*582\*20080115\*1500\*ET

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**Data Element Summary**

Ref.	Data		Attributes
Des.	Element	Name	
Must Use	<b>DTM01</b>	<b>374</b>	<b>M ID 3/3</b>
		<b>Date/Time Qualifier</b>	
		Code specifying type of date or time, or both date and time	
		582 Report Period	
		The date/time of the end of the interval.	
Must Use	<b>DTM02</b>	<b>373</b>	<b>X DT 8/8</b>
		<b>Date</b>	
		Date expressed as CCYYMMDD	
Must Use	<b>DTM03</b>	<b>337</b>	<b>X TM 4/8</b>
		<b>Time</b>	
		Time expressed in 24-hour clock time as follows: HHMM, or HHMMSS, or HHMMSSD, or HHMMSSDD, where H = hours (00-23), M = minutes (00-59), S = integer seconds (00-59) and DD = decimal seconds; decimal seconds are expressed as follows: D = tenths (0-9) and DD = hundredths (00-99)	
		HHMM format	
Must Use	<b>DTM04</b>	<b>623</b>	<b>O ID 2/2</b>
		<b>Time Code</b>	
		Code identifying the time. In accordance with International Standards Organization standard 8601, time can be specified by a + or - and an indication in hours in relation to Universal Time Coordinate (UTC) time; since + is a restricted character, + and - are substituted by P and M in the codes that follow	
		The time code must accurately provide the time zone when the daylight savings time starts and ends if the meter is adjusted for daylight savings time. If meter is not adjusted for daylight savings time, the time code will always reflect Eastern Daylight Time which will be interpreted as prevailing time.	
		ED Eastern Daylight Time	
		ES Eastern Standard Time	

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**Segment:** **PTD** Product Transfer and Resale Detail (FG=Scheduling Determinants)  
**Position:** 010  
**Loop:** PTD  
**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:**

<b>Notes:</b>	This PTD Loop will be used to provide Scheduling Determinants, such as the Capacity Obligation (a.k.a. Load Responsibility) and Transmission Obligation for PJM customers.
<b>PA Use:</b>	<u>Required</u>
<b>NJ Use:</b>	Required for PJM Customers
<b>DE Use:</b>	N/A
<b>MD Use:</b>	N/A
<b>Examples:</b>	PTD*FG

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### Data Element Summary

Ref. Des.	Data Element	Name	Attributes
Must Use PTD01	521	<b>Product Transfer Type Code</b> Code identifying the type of product transfer	M ID 2/2
		FG	Flowing Gas Information
			Scheduling Determinants: This loop will provide information required by PJM.

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Segment: **REF** Reference Identification (LO=Load Profile)

Position: 030

Loop: PTD

Level: Detail

Usage: Optional

Max Use: 20

Purpose: To specify identifying information

- Syntax Notes:
- 1 At least one of REF02 or REF03 is required.
  - 2 If either C04003 or C04004 is present, then the other is required.
  - 3 If either C04005 or C04006 is present, then the other is required.

- Semantic Notes:
- 1 REF04 contains data relating to the value cited in REF02.

Comments:

PA Use:	Required
NJ Use:	Optional
DE Use:	N/A
MD Use:	N/A
Example:	REF*LO*GS

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- Deleted: Atlantic City Electric and JCP&L will provide.

Data Element Summary

Ref.	Data			
Des.	Element	Name		X12 Attributes
Must Use	REF01	128	Reference Identification Qualifier Code qualifying the Reference Identification	M ID 2/3
		LO	Load Planning Number	
			Load profile	
Must Use	REF02	127	Reference Identification Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier	X AN 1/30

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**Segment:** REF Reference Identification (NH=LDC Rate Class)  
**Position:** 030  
**Loop:** PTD  
**Level:** Detail  
**Usage:** Optional  
**Max Use:** 20  
**Purpose:** To specify identifying information  
**Syntax Notes:**

- 1 At least one of REF02 or REF03 is required.
- 2 If either C04003 or C04004 is present, then the other is required.
- 3 If either C04005 or C04006 is present, then the other is required.

**Semantic Notes:**

- 1 REF04 contains data relating to the value cited in REF02.

**Comments:**

<b>PA Use:</b>	Required
<b>NJ Use:</b>	Required
<b>DE Use:</b>	N/A
<b>MD Use:</b>	N/A
<b>Example:</b>	REF*NH*GS1

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**Data Element Summary**

	<u>Ref. Des.</u>	<u>Data Element</u>	<u>Name</u>	<u>Attributes</u>
Must Use	REF01	128	Reference Identification Qualifier Code qualifying the Reference Identification NH LDC Rate Code	M ID 2/3
Must Use	REF02	127	Reference Identification Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier	X AN 1/30

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**Segment:** **REF** Reference Identification (BF=LDC Bill Cycle)  
**Position:** 030  
**Loop:** PTD  
**Level:** Detail  
**Usage:** Optional  
**Max Use:** 20  
**Purpose:** To specify identifying information  
**Syntax Notes:**

- 1 At least one of REF02 or REF03 is required.
- 2 If either C04003 or C04004 is present, then the other is required.
- 3 If either C04005 or C04006 is present, then the other is required.

**Semantic Notes:**

- 1 REF04 contains data relating to the value cited in REF02.

**Comments:**

<b>PA Use:</b>	Required
<b>NJ Use:</b>	Required.
<b>DE Use:</b>	N/A
<b>MD Use:</b>	N/A
<b>Example:</b>	REF*BF*15

Deleted: N/A

### Data Element Summary

	<u>Ref. Des.</u>	<u>Data Element</u>	<u>Name</u>	<u>Attributes</u>
Must Use	REF01	128	Reference Identification Qualifier Code qualifying the Reference Identification BF LDC Bill Cycle	M ID 2/3
Must Use	REF02	127	Reference Identification Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier	X AN 1/30

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

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<b>Notes:</b>	Each QTY/MEA/DTM loop conveys consumption information about one metering period.
<b>PA Use:</b>	<u>Required</u>
<b>NJ Use:</b>	Required. This will be the Capacity Contribution in effect when the transaction is requested. <b>NJ Note:</b> PSE&G sends Capacity Obligation to PJM.
<b>DE Use:</b>	N/A
<b>MD Use:</b>	N/A
<b>Example:</b>	QTY*KC*752*K1

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**Data Element Summary**

	<u>Ref. Des.</u>	<u>Data Element</u>	<u>Name</u>	<u>Attributes</u>
Must Use	QTY01	673	<b>Quantity Qualifier</b> Code specifying the type of quantity KC Net Quantity Decrease Capacity Contribution, a.k.a., Load Responsibility: Peak load contributions provided to PJM for Installed Capacity calculation (coincident with PJM Peak).	M ID 2/2
Must Use	QTY02	380	<b>Quantity</b> Numeric value of quantity	X R 1/15
Must Use	QTY03	355	<b>Unit or Basis for Measurement Code</b> Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken K1 Kilowatt Demand Represents potential power load measured at predetermined intervals	M ID 2/2

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

<b>Notes:</b>	Each QTY/MEA/DTM loop conveys consumption information about one metering interval.
<b>PA Use:</b>	<u>Required</u>
<b>NJ Use:</b>	Required. This will be the Transmission Contribution in effect when the transaction is requested. <b>NJ Note:</b> PSE&G sends Capacity Obligation to PJM.
<b>DE Use:</b>	N/A
<b>MD Use:</b>	N/A
<b>Example:</b>	QTY*KZ*752*K1

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**Data Element Summary**

Ref. Des.	Data Element	Name	Attributes
Must Use	QTY01	<b>Quantity Qualifier</b> Code specifying the type of quantity KZ Corrective Action Requests - Written Transmission Contribution: Customer's peak load contribution provided to PJM for the Transmission Service calculation (coincident with LDC peak).	M ID 2/2
Must Use	QTY02	<b>Quantity</b> Numeric value of quantity	X R 1/15
Must Use	QTY03	<b>Unit or Basis for Measurement Code</b> Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken K1 Kilowatt Demand Represents potential power load measured at predetermined intervals	M ID 2/2

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**Segment:** SE Transaction Set Trailer  
**Position:** 030  
**Loop:**  
**Level:** Summary  
**Usage:** Mandatory  
**Max Use:** 1  
**Purpose:** To indicate the end of the transaction set and provide the count of the transmitted segments (including the beginning (ST) and ending (SE) segments)

**Syntax Notes:**

**Semantic Notes:**

**Comments:** 1 SE is the last segment of each transaction set.

<b>PA Use:</b>	Required
<b>NJ Use:</b>	Required
<b>DE Use:</b>	N/A
<b>MD Use:</b>	N/A
<b>Example:</b>	SE*23*00000001

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### Data Element Summary

	<u>Ref. Des.</u>	<u>Data Element</u>	<u>Name</u>	<u>Attributes</u>
Must Use	SE01	96	<b>Number of Included Segments</b> Total number of segments included in a transaction set including ST and SE segments	M N0 1/10
Must Use	SE02	329	<b>Transaction Set Control Number</b> Identifying control number that must be unique within the transaction set functional group assigned by the originator for a transaction set	M AN 4/9

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**Example: Historical Interval Usage by Account**

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**Heading:**

BPT*52*2008070112300001*20080701*C1	Transaction Set Purpose Code: <b>52</b> , <i>Response to Historical Inquiry</i> Reference Identification: <b>2008070112300001</b> , Transaction Date: <b>20080701</b> , Report Type Code: <b>C1</b> , <i>Interval Usage</i>
N1*8S*LDC COMPANY*1*007909411	LDC Company
N1*SJ*ESP COMPANY*9*007909422ESP1	ESP Company
N1*8R*JANE DOE	Customer name
REF*12*519703123457	LDC Account Number
REF*45*451105687500	Old LDC Account Number

**Detail:**

Segment Contents	Element Description
PTD*SU	Summary Loop for kwh (QTY, DTM, DTM for each month)
QTY*QD*52110*KH	Quantity (kwh)
DTM*150*20080529	Service Period Start
DTM*151*20080630	Service Period End
QTY*QD*34510*KH	Quantity (kwh)
DTM*150*20080701	Service Period Start
DTM*151*20080731	Service Period End

PTD*BQ	Summary loop for energy (one for each month)
DTM*150*20080529	Service Period Start
DTM*151*20080630	Service Period End
REF*MT*KH060	Meter Type
QTY*QD*112*KH	Consumption
DTM*582*20080529*0100*ED	End date and time of the period for which the quantity is provided.
QTY*QD*128*KH	Consumption
DTM*582*20080529*0200*ED	End date and time of the period for which the quantity is provided.
QTY*QD*216*KH	Consumption
DTM*582*20080529*0300*ED	End date and time of the period for which the quantity is provided.
.....Continued on until the end of the period specified below	
QTY*QD*789*KH	Consumption
DTM*582*20080630*2300*ED	End date and time of the period for which the quantity is provided.
QTY*QD*730*KH	Consumption
DTM*582*20080630*2359*ED	End date and time of the period for which the quantity is provided.
PTD*BQ	Summary loop for energy (one for each month)
DTM*150*20080701	Service Period Start
DTM*151*20080731	Service Period End
REF*MT*KH060	Meter Type
QTY*87*102*KH	Consumption – <b>Example shows net generation of 102 kwh</b>
DTM*582*20080701*0100*ED	End date and time of the period for which the quantity is provided.
QTY*QD*233*KH	Consumption
DTM*582*20080701*0200*ED	End date and time of the period for which the quantity is provided.
QTY*QD*416*KH	Consumption
DTM*582*20080701*0300*ED	End date and time of the period for which the quantity is provided.
.....Continued on until the end of the period specified below	
QTY*QD*781*KH	Consumption
DTM*582*20080731*2300*ED	End date and time of the period for which the quantity is provided.

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QTY*QD*700*KH	Consumption
DTM*582*20080731*2359*ED	End date and time of the period for which the quantity is provided.
PTD*FG	Scheduling Determinants Loop
REF*LO*RS	Load Profile [Optional segment]
REF*NH*RESNH	LDC Rate Code
REF*BF*15	Bill Cycle
QTY*KC*752*K1	Capacity Obligation
QTY*KZ*752*K1	Transmission Obligation

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		LOOP ID - CTT			1
010	CTT	Transaction Totals	0	1	n1

**Segment:** *REF Reference Identification (11=ESP Account Number)*

- Position:** 120
- Loop:** N1
- Level:** Heading
- Usage:** Optional
- Max Use:** 12
- Purpose:** To specify identifying information
- Syntax Notes:**
  - 1 At least one of REF02 or REF03 is required.
  - 2 If either C04003 or C04004 is present, then the other is required.
  - 3 If either C04005 or C04006 is present, then the other is required.
- Semantic Notes:**
  - 1 REF04 contains data relating to the value cited in REF02.
- Comments:**

<b>PA Use:</b>	N/A
<b>NJ Use:</b>	Optional if it was previously provided on an 814 to the LDC and the ESP is the supplier of record. <b>Note:</b> In New Jersey, Atlantic City Electric, JCP&L, and PSE&G will store ESP account number and will be required to send it if it was previously provided to the LDC. Rockland Electric will not be storing ESP account number, and will never send it. Atlantic City Electric will only be storing 20 characters.
<b>DE Use:</b>	N/A
<b>MD Use:</b>	N/A
<b>Example:</b>	REF*11*8645835

**Data Element Summary**

	<u>Ref. Des.</u>	<u>Data Element</u>	<u>Name</u>		
<b>Must Use</b>	<b>REF01</b>	<b>128</b>	<b>Reference Identification Qualifier</b>	<b>M</b>	<b>ID 2/3</b>
				Code qualifying the Reference Identification	
			11	Account Number	
			ESP-assigned account number for end use customer.		
<b>Must Use</b>	<b>REF02</b>	<b>127</b>	<b>Reference Identification</b>	<b>X</b>	<b>AN 1/30</b>

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Optiona REF03 352 Description X AN 1/80  
I

A free-form description to clarify the related data elements and their content  
U Unmetered

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<b>PA Use:</b>	Not Used Required, unless a "DTM*514" is substituted for this code.
<b>NJ Use:</b>	Not Used
<b>DE Use:</b>	N/A
<b>MD Use:</b>	N/A
<b>Example:</b>	DTM*150*20080101

**Data Element Summary**

	<u>Ref.</u>	<u>Data</u>	<u>Element</u>	<u>Name</u>	
	<u>Des.</u>				
	<u>Attributes</u>				
Must Use	<b>DTM01</b>	<b>374</b>	<b>Date/Time Qualifier</b>		<b>M ID 3/3</b>
			Code specifying type of date or time, or both date and time		
			150	Service Period Start	
Must Use	<b>DTM02</b>	<b>373</b>	<b>Date</b>		<b>X DT 8/8</b>
			Date expressed as CCYYMMDD		

Segment: **DTM** Date/Time Reference (151=Service Period End)

**Position:** 020  
**Loop:** PTD  
**Level:** Detail  
**Usage:** Optional  
**Max Use:** 10

**Purpose:** To specify pertinent dates and times

- Syntax Notes:**
- 1 At least one of DTM02 DTM03 or DTM05 is required.
  - 2 If DTM04 is present, then DTM03 is required.
  - 3 If either DTM05 or DTM06 is present, then the other is required.

**Semantic Notes:**  
**Comments:**

<b>Notes:</b>	This date reflects the end of the date range for this meter for this billing period.  This specific PTD loop is required if there are metered services on the account. Required, unless a "DTM*514" is substituted for this code.
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<b>Page 30: [5] Inserted</b>		<b>Diane Goff</b>	<b>8/20/2008 8:55 AM</b>
<b>PA Use:</b>	Not Used Required, unless a "DTM*514" is substituted for this code.		
<b>NJ Use:</b>	Not Used		
<b>DE Use:</b>	N/A		
<b>MD Use:</b>	N/A		
<b>Example:</b>	DTM*151*20080131		

### Data Element Summary

Ref.	Data	Element	Name	M	ID
<u>Des.</u>					
<u>Attributes</u>					
Must Use	<b>DTM01</b>	<b>374</b>	<b>Date/Time Qualifier</b>		<b>M ID 3/3</b>
			Code specifying type of date or time, or both date and time		
			151 Service Period End		
Must Use	<b>DTM02</b>	<b>373</b>	<b>Date</b>		<b>X DT 8/8</b>
			Date expressed as CCYYMMDD		

Page Break

**Segment:** **DTM** Date/Time Reference (514=Meter Exchange Date)

- Position:** 020  
**Loop:** PTD  
**Level:** Detail  
**Usage:** Optional  
**Max Use:** 10  
**Purpose:** To specify pertinent dates and times  
**Syntax Notes:**
- 1 At least one of DTM02 DTM03 or DTM05 is required.
  - 2 If DTM04 is present, then DTM03 is required.
  - 3 If either DTM05 or DTM06 is present, then the other is required.

**Semantic Notes:**

**Comments:**

<b>Notes:</b>	Used in conjunction with either the Service Period Start Date or the Service Period End Date to indicate when a meter has been replaced. Separate PTD loops must be created for each period and meter. Required when a meter is changed and the meter agent does not change.
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<b>PA Use:</b>	Not Used Required when a meter is changed and the meter agent does not change.
<b>NJ Use:</b>	Not Used
<b>DE Use:</b>	N/A
<b>MD Use:</b>	N/A
<b>Example:</b>	Date Range in the first PTD is shown as: DTM*150*20080201 DTM*514*20080214  Date Range in the second PTD is shown as: DTM*514*20080214 DTM*151*20080228

### Data Element Summary

	<u>Ref.</u>	<u>Data</u>		
	<u>Des.</u>	<u>Element</u>	<u>Name</u>	
	<u>Attributes</u>			
Must Use	<b>DTM01</b>	<b>374</b>	<b>Date/Time Qualifier</b>	<b>M ID 3/3</b>
			Code specifying type of date or time, or both date and time	
			514 Transferred	
			Exchanged meter read date	
Must Use	<b>DTM02</b>	<b>373</b>	<b>Date</b>	<b>X DT 8/8</b>
			Date expressed as CCYYMMDD	

Page Break

### *Segment: QTY Quantity*

**Position:** 110

**Loop:** QTY

**Level:** Detail

**Usage:** Optional

**Max Use:** 1

**Purpose:** To specify quantity information

**Syntax Notes:** 1 At least one of QTY02 or QTY04 is required.

2 Only one of QTY02 or QTY04 may be present.

**Semantic Notes:** 1 QTY04 is used when the quantity is non-numeric.

**Comments:**

<b>Notes:</b>	Each QTY/MEA/DTM loop conveys consumption information about one metering interval.
<b>PA Use:</b>	Required if providing Historical Usage by Meter; otherwise, not used. Not Used