

New Jersey GAS

Implementation Guideline

For

Electronic Data Interchange

TRANSACTION SET

867

Historical Usage

Ver/Rel 004010

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Summary of Changes

<p>February 10, 2000 Version 1.0</p>	<p>Initial Release.</p>
<p>June 15, 2000</p>	<p>Instituted redlining of all changes</p> <ul style="list-style-type: none"> ◆ Corrected examples to reflect gas and the current year ◆ Added gas identifiers to all PTD segments ◆ Deleted REF*MT segments ◆ Added GDC Rate Code and Rate Subcode to Meter Detail loop ◆ Added segments to meter loop to convey HMAD and MDQ values per New Jersey Natural Gas requirements ◆ Corrected sample transactions ◆ Changed GDC to GDC throughout the document
<p>September 6, 2000 Version 1.2</p>	<ul style="list-style-type: none"> ◆ Added segments summary loop to convey HMAD and MDQ values per New Jersey Natural Gas requirements ◆ Modified segments REF*DQ and REF* SJ New Jersey Natural Gas requirements to identify HMAD and MDQ by transportation service(s) available ◆ Added note to PTD*PM that PSE&G will send historical usage data at the meter level.
<p>December 12, 2000 <i>Version 1.3</i></p>	<ul style="list-style-type: none"> ◆ Modified segments REF*DQ and REF* SJ New Jersey Natural Gas requirements to add note on REF03 ◆ Moved REF*DQ and REF*SJ segments to PTD loop from QTY loop ◆ Removed Structure of REF in QTY loop ◆ Added Example at the meter level
<p>May 23, 2001 Version 1.4</p>	<p>Corrected position and loop for segment REF*DQ Added Table of contents Added Data Dictionary</p>
<p>June 21, 2001</p>	<p>Modified notes on segment REF*NH to clarify NJNG transportation service options. Corrected NJ use on segment REF*SJ Removed comment on segment QTY quantity delivered Corrected Use Note on Segment REF*11 (ESP Account Number)</p>
<p>December 12, 2003</p>	<p>Added PTD loop FG=Scheduling Determinants to provide DQC for 12 months</p>
<p>October 20, 2006 Version 1.7</p>	<p>Added REF segment for GDC Billing cycle</p>
<p>October 30, 2006 Version 1.8</p>	<p>Moved REF segment for GDC Billing cycle to the right position within the PTD*FG loop; Added a sample with PTD FG loop</p>
<p>November 02, 2006 Version 1.9</p>	<p>Corrected PTD*FG loop information; Also clarified the dates to which DCQs apply in PSEG transactions.</p>
<p>April 8, 2013 Version 2.1</p>	<p>Updated version</p>

Notes

Use

GDC Definitions:

ESP Definitions:

- Historical Usage will be provided to an ESP upon request. Information can be requested either through a separate 814HU, or through a secondary service request on an 814E.
- Historical usage can be requested either for a customer that is a current customer of the ESP or for a customer that has given the ESP or energy consultant written authorization to obtain historical usage.
- The Historical Usage Transaction Set is sent by the GDC 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 it is requested. Subsequent adjustments to Historical Usage will not be transmitted to the ESP.
- If providing history totalized for an account, use "SU" (Summary) in PTD01, else if providing history by meter, use "PM" (Physical Meter) in PTD01.
- The term GDC (Gas Distribution Company) in this document refers to the utility.
- The term ESP (Energy Service Provider) in this document refers to the supplier.

How to Use the Implementation Guideline

Segment: **REF** Reference Identification
Position: 030
Loop: LIN Optional
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.

Comments:

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

Notes:	Recommended by UIG
PA Use:	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
NJ Use:	Same as PA
Example:	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

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

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

Data Dictionary for 867 Historical Usage

<i>Appl Field</i>	<i>Field Name</i>	<i>Description</i>	<i>EDI Element</i>	<i>Loop / Related EDI Qualifier</i>	<i>Data Type</i>
1.	Purpose Code	Transaction Set Purpose	BPT01 = 52		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 = DD	BPT01 = 52	X(2)
5.	GDC Name	GDC's Name	N102	N1: N101 = 8S	X(60)
6.	GDC Duns	GDC's DUNS Number or DUNS+4 Number	N104	N1: N101 = 8S N103 = 1 or 9	X(13)
7.	ESP Name	ESP's Name	N102	N1: N101 = SJ	X(60)
8.	ESP Duns	ESP's DUNS Number or DUNS+4 Number	N104	N1: N101 = SJ N103 = 1 or 9	X(13)
9.	Customer Name	Customer Name	N102	N1: N101 = 8R	X(60)
10.	ESP Account Number	ESP Customer Account Number	REF02	N1: N101 = 8R REF01 = 11	X(30)
11.	GDC Account Number	GDC Customer Account Number	REF02	N1: N101 = 8R REF01 = 12	X(30)
12.	Old Account Number	Previous GDC Customer Account Number	REF02	N1: N101 = 8R REF01 = 45	X(30)
<u>PTD Loop for Historical Usage that is Summarized/Totalized by Account (PTD01 = SU)</u>					
A PTD Loop will be provided for each type of consumption measured for the overall account (PTD01=SU) or by meter (PTD01 = PM) in addition to the PTD loop that provides Scheduling Determinants when appropriate					
14.	Loop Identification	Indicates if usage is provided totalized or by meter.	PTD01 = SU		X(2)
15.	HMAD	Highest Monthly Average Daily Customer/Meter average daily usage for month in which they had the highest use per day. This value is initially set and subject to monthly review to determine if changes are warranted based on customer usage	REF02	PTD: REF01 = DQ	9(15.2)
16.	MDQ	Maximum Daily Quantity This is calculated from the HMAD to derive a value for a customer's peak day usage.	REF02	PTD: REF01 = SJ	9(15.2)

		Since this is a function of HMAD it also is initially set and subject to monthly review to determine if changes are warranted based on customer usage. This value is a fixed billable unit in NJNGs Tariff.			
17.	Quantity Delivered	Represents quantity of consumption delivered for billing period.	QTY02	PTD: QTY01 = QD	9(15)
18.	Quantity Delivered Unit of Measurement	Indicates unit of measurement for quantity of consumption delivered during billing period.	QTY03	PTD: QTY01 = QD	X(2)
19.	Service Period Start	Start date of the period for which these readings are provided	DTM02	QTY: DTM01 = 150	X(8)
20.	Service Period End	End date of the period for which these readings are provided	DTM02	QTY: DTM01 = 151	X(8)

PTD Loop for Historical Usage that is provided by Meter (PTD01 = PM)

A PTD Loop will be provided for each type of consumption measured for the overall account (PTD01=SU) or by meter (PTD01 = PM) in addition to the PTD loop that provides Scheduling Determinants when appropriate

21.	Loop Identification	Indicates if usage is provided totaled or by meter.	PTD01 = PM		X(2)
22.	HMAD	Highest Monthly Average Daily Customer/Meter average daily usage for month in which they had the highest use per day. This value is initially set and subject to monthly review to determine if changes are warranted based on customer usage	REF02	PTD: REF01 = DQ	9(15.2)
23.	Meter Number	Serial number of this specific meter (may have multiple meters)	REF02	PTD: REF01 = MG	X(30)
24.	Meter Type	Code indicating type of consumption measured & interval at which measurements are taken.	REF02	PTD: REF01 = MT	X(5)
25.	GDC Rate Code	GDC Rate Code	REF02	PTD: REF01 = NH	X(30)
26.	GDC Rate Subcode	GDC Rate Subcode	REF02	PTD: REF01 = NH	X(30)
27.	MDQ	Maximum Daily Quantity This is calculated from the HMAD to derive a value for a customer's peak day usage. Since this is a function of HMAD it also is initially set and subject to monthly review to determine if changes are warranted based on customer usage. This value is a fixed billable unit in NJNGs Tariff.	REF02	PTD: REF01 = SJ	9(15.2)

28.	Quantity Delivered	Represents quantity of consumption delivered for billing period.	QTY02	PTD: QTY01 = QD	9(15)
29.	Quantity Delivered Unit of Measurement	Indicates unit of measurement for quantity of consumption delivered during billing period.	QTY03	PTD: QTY01 = QD	X(2)
30.	Service Period Start	Start date of the period for which these readings are provided	DTM02	QTY: DTM01 = 150	X(8)
31.	Service Period End	End date of the period for which these readings are provided	DTM02	QTY: DTM01 = 151	X(8)
PTD FG Loop for Scheduling Determinants					
32	Loop Identification	Indicates loop for Scheduling Determinants	PTD01 = FG		X(2)
33	GDC Billing Cycle	GDC Cycle on which the bill will be rendered	REF02	PTD: REF01 = BF	X(2)
34	Quantity Delivered	Represents quantity of DCQ for month	QTY02	PTD: QTY01 = MA	9(15)
35	Quantity Delivered Unit of Measurement	Indicates unit of measurement for quantity of DCQ for month	QTY03=TD	PTD: QTY01 = MA	X(2)
36	Service Period Start	Start date of the period for which these DCQ's are provided	DTM02	QTY: DTM01 = 150	X(8)
37	Service Period End	End date of the period for which these DCQ's are provided	DTM02	QTY: DTM01 = 151	X(8)

867 Product Transfer and Resale Report

Functional Group ID=**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.

Heading:

Pos. No.	Seg. ID	Name	Attributes Guide	User Status	Max.Use	Loop Repeat	Notes and Comments
010	ST	Transaction Set Header	M	M	1		
020	BPT	Beginning Segment for Product Transfer and Resale	M	M	1		
						LOOP ID - N1	5
080	N1	Name (8S = GDC Name)	O	Used	1		
						LOOP ID - N1	5
080	N1	Name (SJ = ESP Name)	O	Used	1		
						LOOP ID - N1	5
080	N1	Name (8R = Customer Name)	O	Used	1		
120	REF	Reference Identification (11 = ESP Account Number)	O	Used	12		
120	REF	Reference Identification (12 = GDC Account Number)	O	Used	12		
120	REF	Reference Identification (45 = GDC Old Account Number)	O	Used	12		

Detail:

Pos. No.	Seg. ID	Name	Attributes Guide	User Status	Max.Use	Loop Repeat	Notes and Comments
						LOOP ID - PTD	>1
010	PTD	Product Transfer and Resale Detail (SU = Consumption Summarized for Account)	M	M	1		
030	REF	Reference Identification (DQ = Highest Monthly Average Daily (HMAD))	O	Used	>1		
030	REF	Reference Identification (SJ = Maximum Daily Quantity (MDQ))	O	Used	>1		
						LOOP ID - QTY	>1
110	QTY	Quantity (Quantity Delivered)	O	Used	1		
210	DTM	Date/Time Reference (150 = Service Period Start)	O	Used	10		
210	DTM	Date/Time Reference (151 = Service Period End)	O	Used	10		
						LOOP ID - PTD	>1
010	PTD	Product Transfer and Resale Detail (PM = Meter Detail)	M	M	1		

030	REF	Reference Identification (DQ = Highest Monthly Average Daily (HMAD))	O	Used	>1
030	REF	Reference Identification (MG = Meter Number)	M	M	20
030	REF	Reference Identification (NH = GDC Rate Code)	O	Used	20
030	REF	Reference Identification (PR = GDC Rate Subclass)	O	Used	20
030	REF	Reference Identification (SJ = Maximum Daily Quantity (MDQ))	O	Used	>1
LOOP ID - QTY					>1
110	QTY	Quantity (Quantity Delivered)	O	Used	1
210	DTM	Date/Time Reference (150 = Service Period Start)	O	Used	10
210	DTM	Date/Time Reference (151 = Service Period End)	O	Used	10
LOOP ID - PTD					>1
010	PTD	Product Transfer and Resale Detail (FG= Scheduling Determinants)	M	M	1
030	REF	Reference Identification (BF = GDC Billing Cycle)	O	Used	20
LOOP ID - QTY					>1
110	QTY	Quantity (MA = DCQ Quantity Delivered)	O	Used	1
210	DTM	Date/Time Reference (150 = Service Period Start)	O	Used	10
210	DTM	Date/Time Reference (151 = Service Period End)	O	Used	>1

Summary:

<u>Pos. No.</u>	<u>Seg. ID</u>	<u>Name</u>	<u>Attributes Guide</u>	<u>User Status</u>	<u>Max.Use</u>	<u>Loop Repeat</u>	<u>Notes and Comments</u>
030	SE	Transaction Set Trailer	M	M	1		

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:
Business Rules: Variable Name: STST
Notes: NJ Use: Required
 Example: ST*867*000000001

Data Element Summary

<u>Ref.</u>	<u>Data</u>	<u>Name</u>	<u>Base</u>	<u>User</u>
<u>Des.</u>	<u>Element</u>		<u>Attributes</u>	<u>Attributes</u>
ST01	143	Transaction Set Identifier Code Code uniquely identifying a Transaction Set 867 Product Transfer and Resale Report	M ID 3/3	M
ST02	329	Transaction Set Control Number 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	M

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:
Notes: NJ Use: Required
 Example: BPT*52*2000070112300001*20000701*DD

Data Element Summary

<u>Ref. Des.</u>	<u>Data Element</u>	<u>Name</u>	<u>Base Attributes</u>	<u>User Attributes</u>
BPT01	353	Transaction Set Purpose Code Code identifying purpose of transaction set 52 Response to Historical Inquiry Response to a request for historical meter reading.	M ID 2/2	M
BPT02	127	Reference Identification Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier A unique transaction identification number assigned by the originator of this transaction. This number should be unique over all time.	O AN 1/30	M/U
BPT03	373	Date Date expressed as CCYYMMDD The transaction creation date - the date that the data was processed by the application system.	M DT 8/8	M
BPT04	755	Report Type Code Code indicating the title or contents of a document, report or supporting item DD Distributor Inventory Report Usage	O ID 2/2	M/U

Segment: **N1** Name (8S = GDC Name)
Position: 080
Loop: N1 Optional
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.
Notes: NJ Use: Required
 Example: N1*8S*GDC COMPANY*1*007909411

Data Element Summary

<u>Ref. Des.</u>	<u>Data Element</u>	<u>Name</u>	<u>Base Attributes</u>	<u>User Attributes</u>
N101	98	Entity Identifier Code Code identifying an organizational entity, a physical location, property or an individual 8S Consumer Service Provider (CSP) GDC	M ID 2/3	M
N102	93	Name Free-form name GDC Company Name	X AN 1/60	M/U
N103	66	Identification Code Qualifier 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	M/U
N104	67	Identification Code Code identifying a party or other code GDC D-U-N-S Number or D-U-N-S + 4 Number	X AN 2/80	M/U

Segment: **N1** Name (SJ = ESP Name)
Position: 080
Loop: N1 Optional
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.
Notes: NJ Use: Required
 Example: N1*SJ*ESP COMPANY*9*007909422ESP1

Data Element Summary

<u>Ref. Des.</u>	<u>Data Element</u>	<u>Name</u>	<u>Base Attributes</u>	<u>User Attributes</u>
N101	98	Entity Identifier Code Code identifying an organizational entity, a physical location, property or an individual SJ Service Provider ESP	M ID 2/3	M
N102	93	Name Free-form name ESP Company Name	X AN 1/60	M/U
N103	66	Identification Code Qualifier 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	M/U
N104	67	Identification Code Code identifying a party or other code ESP D-U-N-S Number of D-U-N-S + 4 Number	X AN 2/80	M/U

Segment: **N1** Name (8R = Customer Name)
Position: 080
Loop: N1 Optional
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.
Notes: NJ Use: Required
 Example: N1*8R*JANE DOE

Data Element Summary

<u>Ref. Des.</u>	<u>Data Element</u>	<u>Name</u>	<u>Base Attributes</u>	<u>User Attributes</u>
N101	98	Entity Identifier Code 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	M
N102	93	Name Free-form name Customer Name as it appears in the sender's system	X AN 1/60	O

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

Position: 120

Loop: N1 Optional

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:

Notes: NJ Use: Conditional - GDC's are required to provide this data if store in their system

GDCs are not required to store ESP account number their system. GDCs if storing will do so if provided on 814 enrollment and/or 814 change. If GDC does store ESP account number, GDC will provide ESP account number on all transactions. All GDCs except for Elizabethtown are storing ESP account number. Example: REF*11*8645835

Data Element Summary

<u>Ref.</u>	<u>Data</u>	<u>Name</u>	<u>Base</u>	<u>User</u>
<u>Des.</u>	<u>Element</u>		<u>Attributes</u>	<u>Attributes</u>
REF01	128	Reference Identification Qualifier	M ID 2/3	M
		Code qualifying the Reference Identification		
		11 Account Number		
		ESP-assigned account number for the end use customer		
REF02	127	Reference Identification	X AN 1/30	M/U
		Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier		

Segment: **REF** Reference Identification (12 = GDC Account Number)
Position: 120
Loop: N1 Optional
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:
Notes: 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.
 Example: REF*12*519703123457

Data Element Summary

<u>Ref. Des.</u>	<u>Data Element</u>	<u>Name</u>	<u>Base Attributes</u>	<u>User Attributes</u>
REF01	128	Reference Identification Qualifier Code qualifying the Reference Identification 12 Billing Account GDC-assigned account number for end use customer.	M ID 2/3	M
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	M/U

Segment: **REF** Reference Identification (45 = GDC Old Account Number)
Position: 120
Loop: N1 Optional
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:
Notes:

NJ Use:	Optional - GDC should provide if available.
Example:	REF*45*451105687500

Data Element Summary

<u>Ref. Des.</u>	<u>Data Element</u>	<u>Name</u>	<u>Base Attributes</u>	<u>User Attributes</u>
REF01	128	Reference Identification Qualifier Code qualifying the Reference Identification 45 Old Account Number GDC's previous account number for the end use customer.	M ID 2/3	M
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	M/U

Segment: **PTD** **Product Transfer and Resale Detail (SU = Consumption Summarized for Account)**

Position: 010

Loop: PTD Mandatory

Level: Detail

Usage: Mandatory

Max Use: 1

Purpose: To indicate the start of detail information relating to the transfer/resale of a product and 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: NJ Use: Required if providing Historical Usage summarized/totalized by account. There must be one loop for each unit of measurement.
Examples: PTD*SU***07*GAS

Data Element Summary

<u>Ref. Des.</u>	<u>Data Element</u>	<u>Name</u>	<u>Base Attributes</u>	<u>User Attributes</u>
PTD01	521	Product Transfer Type Code Code identifying the type of product transfer	M ID 2/2	M
PTD04	128	Reference Identification Qualifier Code qualifying the Reference Identification 07 Add-On System Number Used to Identify Product (Gas)	X ID 2/3	M/U
PTD05	127	Reference Identification Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier GAS Identify Product being transferred	X AN 1/30	M/U

Segment: **REF** Reference Identification (DQ = Highest Monthly Average Daily (HMAD))
Position: 030
Loop: PTD Mandatory
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.

Comments:
Notes: NJ Use: Used by New Jersey Natural Gas Only
 Example: REF*DQ*10.90

Data Element Summary

<u>Ref. Des.</u>	<u>Data Element</u>	<u>Name</u>	<u>Base Attributes</u>	<u>User Attributes</u>
REF01	128	Reference Identification Qualifier Code qualifying the Reference Identification	M ID 2/3	M
REF02	127	Reference Identification Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier Value in format 9 (15).2	X AN 1/30	O

Segment: **REF** Reference Identification (SJ = Maximum Daily Quantity (MDQ))
Position: 030
Loop: PTD Mandatory
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.

Comments:
Notes: NJ Use: Used by New Jersey Natural Gas Only
 Example: REF*SJ*10.90*SCR

Data Element Summary

<u>Ref. Des.</u>	<u>Data Element</u>	<u>Name</u>	<u>Base Attributes</u>	<u>User Attributes</u>
REF01	128	Reference Identification Qualifier Code qualifying the Reference Identification SJ Set Number Maximum Daily Quantity (MDQ)- This is calculated from the HMAD to derive a value for a customer's peak day usage. Since this is a function of HMAD it also is initially set and subject to monthly review to determine if changes are warranted based on customer usage. This value is a fixed billable unit in NJNGs Tariff.	M ID 2/3	M
REF02	127	Reference Identification Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier Note The two values (MDQ/HMAD) are used to derive the other fixed billable unit (Maximum Daily Balance Quantity) (MDB): This is the maximum quantity of gas balanced, by NJNG, for a customer/meter on a daily basis. NJNG does not need a home for MDB as it is calculated as follows (MDQ less HMAD = MDB; Value in format 9(15).2	X AN 1/30	M/U
REF03	352	Description A free-form description to clarify the related data elements to their content Used to further describe the MDQ sent in REF02. Identifies available transportation service for this MDQ. Valid values are CTB, SCR, FT. Segment will be repeated for all transportation services for which the customer is eligible	X AN 1/80	M/U

Segment: **QTY** Quantity (Quantity Delivered)
Position: 110
Loop: QTY Optional
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:

Notes: Each QTY/MEA/DTM loop conveys consumption information about one metering period. Historical Usage will be sent in Billed Therms
NJ Use: Required
Example: QTY*QD*5210*TD

Data Element Summary

<u>Ref.</u>	<u>Data</u>	<u>Name</u>	<u>Base</u>	<u>User</u>
<u>Des.</u>	<u>Element</u>		<u>Attributes</u>	<u>Attributes</u>
QTY01	673	Quantity Qualifier Code specifying the type of quantity QD Quantity Delivered	M ID 2/2	M
QTY02	380	Quantity Numeric value of quantity	X R 1/15	M/U
QTY03	C001	Composite Unit of Measure To identify a composite unit of measure (See Figures Appendix for examples of use)	M	M
C00101	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 TD Therms	M ID 2/2	M
QTY04	61	Free-Form Message Free-form information	X AN 1/30	O

Segment: **DTM** **Date/Time Reference (150 = Service Period Start)**
Position: 210
Loop: QTY Optional
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:

NJ Use: Required
 Example: DTM*150*20121117

Data Element Summary

<u>Ref.</u>	<u>Data</u>	<u>Name</u>	<u>Base</u>	<u>User</u>
<u>Des.</u>	<u>Element</u>		<u>Attributes</u>	<u>Attributes</u>
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	M
DTM02	373	Date Date expressed as CCYYMMDD	X DT 8/8	M/U

Segment: **DTM** **Date/Time Reference (151 = Service Period End)**
Position: 210
Loop: QTY Optional
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:

NJ Use: Required
 Example: DTM*151*20121217

Data Element Summary

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

Segment: **PTD** **Product Transfer and Resale Detail (PM = Meter Detail)**
Position: 010
Loop: PTD Mandatory
Level: Detail
Usage: Mandatory
Max Use: 1
Purpose: To indicate the start of detail information relating to the transfer/resale of a product and 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 Usage by meter. There must be one loop for each unit of measurement for each meter.
NJ Use: None of the NJ utilities except PSE&G plan to send Historical Usage by Meter, so this loop will not be used in New Jersey when the market opens. The documentation will remain in case any utility changes its direction
Note: Only PSEG is using this loop
 Required if providing Historical Usage by Meter; otherwise, not used.
Examples: PTD*PM***07*GAS

Data Element Summary

<u>Ref. Des.</u>	<u>Data Element</u>	<u>Name</u>	<u>Base Attributes</u>	<u>User Attributes</u>
PTD01	521	Product Transfer Type Code Code identifying the type of product transfer PM Physical Meter Information Consumption Provided by Meter by unit of measure.	M ID 2/2	M
PTD04	128	Reference Identification Qualifier Code qualifying the Reference Identification 07 Add-On System Number Used to Identify Product (Gas)	X ID 2/3	O
PTD05	127	Reference Identification Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier GAS Identify Product being transferred	X AN 1/30	O
PTD06	486	Product Transfer Movement Type Code To indicate the type of product transfer movement	O ID 2/2	O

Segment: **REF** Reference Identification (DQ = Highest Monthly Average Daily (HMAD))
Position: 030
Loop: PTD Mandatory
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.

Comments:
Notes:

NJ Use: Used by New Jersey Natural Gas Only
 Example: REF*DQ*10.90

Data Element Summary

<u>Ref. Des.</u>	<u>Data Element</u>	<u>Name</u>	<u>Base Attributes</u>	<u>User Attributes</u>
REF01	128	Reference Identification Qualifier Code qualifying the Reference Identification	M ID 2/3	M
REF02	127	Reference Identification Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier Value in format 9 (15).2	X AN 1/30	O

Segment: **REF** Reference Identification (MG = Meter Number)
Position: 030
Loop: PTD Mandatory
Level: Detail
Usage: Mandatory
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:
Notes: NJ Use: Required if providing Historical Usage by Meter; otherwise, not used.
 Example: REF*MG*87876567

Data Element Summary

<u>Ref. Des.</u>	<u>Data Element</u>	<u>Name</u>	<u>Base Attributes</u>	<u>User Attributes</u>
REF01	128	Reference Identification Qualifier Code qualifying the Reference Identification MG Meter Number Meter ID Serial Number	X ID 2/3	M/U
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	M/U
REF03	352	Description A free-form description to clarify the related data elements and their content	X AN 1/80	O

Segment: **REF** Reference Identification (NH = GDC Rate Code)
Position: 030
Loop: PTD Mandatory
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:
Notes: NJ Use: Mandatory
 Example: REF*NH*GS1

Data Element Summary

<u>Ref. Des.</u>	<u>Data Element</u>	<u>Name</u>	<u>Base Attributes</u>	<u>User Attributes</u>
REF01	128	Reference Identification Qualifier Code qualifying the Reference Identification NH GDC Rate Code	M ID 2/3	M
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	M/U

Segment: **REF** Reference Identification (PR = GDC Rate Subclass)
Position: 030
Loop: PTD Mandatory
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:
Notes: This iteration of the REF segment is used for meter level information.
NJ Use: Conditional: If maintained by utility, must be sent for each meter loop that is used for billing purposes.
Example: REF*PR*123

Data Element Summary

<u>Ref. Des.</u>	<u>Data Element</u>	<u>Name</u>	<u>Base Attributes</u>	<u>User Attributes</u>
REF01	128	Reference Identification Qualifier Code qualifying the Reference Identification PR Price Quote Number GDC Rate Subclass - Used to provide further classification of a rate.	M ID 2/3	M
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	M/U

Segment: **REF** Reference Identification (SJ = Maximum Daily Quantity (MDQ))
Position: 030
Loop: PTD Mandatory
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.

Comments:
Notes: NJ Use: Used by New Jersey Natural Gas Only
 Example: REF*SJ*10.90*SCR

Data Element Summary

<u>Ref. Des.</u>	<u>Data Element</u>	<u>Name</u>	<u>Base Attributes</u>	<u>User Attributes</u>
REF01	128	Reference Identification Qualifier Code qualifying the Reference Identification	M ID 2/3	M
REF02	127	Reference Identification Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier Note The two values (MDQ/HMAD) are used to derive the other fixed billable unit (Maximum Daily Balance Quantity) (MDB): This is the maximum quantity of gas balanced, by NJNG, for a customer/meter on a daily basis. NJNG does not need a home for MDB as it is calculated as follows (MDQ less HMAD = MDB; Value in format 9(15).2	X AN 1/30	M/U
REF03	352	Description A free-form description to clarify the related data elements to their content Used to further describe the MDQ sent in REF02. Identifies available transportation service for this MDQ. Valid values are CTB, SCR, FT. Segment will be repeated for all transportation services for which the customer is eligible	X AN 1/80	M/U

Segment: **QTY** **Quantity (Quantity Delivered)**
Position: 110
Loop: QTY Optional
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:

Notes: Each QTY/MEA/DTM loop conveys consumption information about one metering interval.
NJ Use: Required if providing Historical Usage by Meter; otherwise, not used
Example: QTY*QD*5210*TD

Data Element Summary

<u>Ref. Des.</u>	<u>Data Element</u>	<u>Name</u>	<u>Base Attributes</u>	<u>User Attributes</u>
QTY01	673	Quantity Qualifier Code specifying the type of quantity QD Quantity Delivered	M ID 2/2	M
QTY02	380	Quantity Numeric value of quantity	X R 1/15	M/U
QTY03	C001	Composite Unit of Measure To identify a composite unit of measure (See Figures Appendix for examples of use)	O	O
C00101	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 TD Therms	M ID 2/2	M

Segment: **DTM** **Date/Time Reference (150 = Service Period Start)**
Position: 210
Loop: QTY Optional
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: NJ Use: Required if providing Historical Usage by Meter; otherwise, not used.
 Example: DTM*150*20121117

Data Element Summary

<u>Ref. Des.</u>	<u>Data Element</u>	<u>Name</u>	<u>Base Attributes</u>	<u>User Attributes</u>
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	M
DTM02	373	Date Date expressed as CCYYMMDD	X DT 8/8	M/U

Segment: **DTM** **Date/Time Reference (151 = Service Period End)**
Position: 210
Loop: QTY Optional
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: NJ Use: Required if providing Historical Usage by Meter; otherwise, not used.
 Example: DTM*151*20121217

Data Element Summary

<u>Ref. Des.</u>	<u>Data Element</u>	<u>Name</u>	<u>Base Attributes</u>	<u>User Attributes</u>
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	M
DTM02	373	Date Date expressed as CCYYMMDD	X DT 8/8	M/U

Segment: **PTD** **Product Transfer and Resale Detail (FG= Scheduling Determinants)**
Position: 010
Loop: PTD Mandatory
Level: Detail
Usage: Mandatory
Max Use: 1
Purpose: To indicate the start of detail information relating to the transfer/resale of a product and 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: Notes: This PTD Loop will be used to provide DCQ usage by account.
 NJ Use: Optional
 Note: Only PSEG is using this loop; PSEG however is providing information for this loop accumulated on the account service (gas) level.
 Examples: PTD*FG***07*GAS

Data Element Summary

<u>Ref. Des.</u>	<u>Data Element</u>	<u>Name</u>	<u>Base Attributes</u>	<u>User Attributes</u>
PTD01	521	Product or Transfer Type Code Code identifying the type of product transfer FG Flowing Gas Information DCQ Consumption Provided	M ID 2/2	M
PTD04	128	Reference Identification Qualifier Code qualifying the Reference Identification 07 Add-On System Number Used to Identify Product (Gas)	X ID 2/3	O
PTD05	127	Reference Identification Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier GAS Identify Product being transferred	X AN 1/30	O

Segment: **REF** Reference Identification (BF = GDC Billing Cycle)
Position: 030
Loop: PTD Mandatory
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:
Notes: NJ Use: Optional, PSEG will provide
 Example: REF*BF*18

Data Element Summary

<u>Ref. Des.</u>	<u>Data Element</u>	<u>Name</u>	<u>Base Attributes</u>	<u>User Attributes</u>
REF01	128	Reference Identification Qualifier Code qualifying the Reference Identification BF GDC Billing Cycle	M ID 2/3	M
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	M/U

Segment: **QTY** Quantity (MA = DCQ Quantity Delivered)
Position: 110
Loop: QTY Optional
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:

Notes: Each QTY/ DTM loop conveys DCQ information about the given account for one monthly cycle.
NJ Use: Used only by PSE&G. Twelve (12) months of daily contract quantities (DCQs) are provided beginning with the DCQ effective date. This date is the first day of the second calendar month after the 814 inquiry is received from the supplier and processed. For example, if the 814 inquiry is processed March 15, 2006 the DCQ effective date will be May 1, 2006.
Example: QTY*MA*5210*TD

Data Element Summary

<u>Ref. Des.</u>	<u>Data Element</u>	<u>Name</u>	<u>Base Attributes</u>	<u>User Attributes</u>
QTY01	673	Quantity Qualifier Code specifying the type of quantity MA Miscellaneous Allowance	M ID 2/2	M
QTY02	380	Quantity Numeric value of quantity	X R 1/15	M/U
QTY03	C001	Composite Unit of Measure To identify a composite unit of measure (See Figures Appendix for examples of use)	O	O
C00101	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 TD Therms	M ID 2/2	M

Segment: **DTM** **Date/Time Reference (150 = Service Period Start)**
Position: 210
Loop: QTY Optional
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: NJ Use: Used only by PSE&G for providing the last 12 months of DCQ's
 Example: DTM*150*20121117

Data Element Summary

<u>Ref.</u>	<u>Data</u>	<u>Name</u>	<u>Base</u>	<u>User</u>
<u>Des.</u>	<u>Element</u>		<u>Attributes</u>	<u>Attributes</u>
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	M
DTM02	373	Date Date expressed as CCYYMMDD	X DT 8/8	M/U

Segment: **DTM** **Date/Time Reference (151 = Service Period End)**
Position: 210
Loop: QTY Optional
Level: Detail
Usage: Optional
Max Use: >1
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: NJ Use: Used only by PSE&G for providing the last 12 months of DCQ's
 Example: DTM*151*20121217

Data Element Summary

<u>Ref.</u> <u>Des.</u>	<u>Data</u> <u>Element</u>	<u>Name</u>	<u>Base</u> <u>Attributes</u>	<u>User</u> <u>Attributes</u>
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	M
DTM02	373	Date Date expressed as CCYYMMDD	X DT 8/8	M/U

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.
Notes: NJ Use: Required
 Example: SE*23*00000001

Data Element Summary

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

EXAMPLES:

Elizabethtown Gas Co. 867 HU Example - Residential

Historical Usage

Summarized by Account (SU Loop)

Heading:

Segment Contents	Element Description
ST*867*0000000001	Transaction Set Identifier Code: 867 , <i>Product Transfer</i> Transaction Set Control Number: 0000000001 , <i>Identifying Control Number</i>
BPT*52*056711344-0000581869*20130103*DD	Transaction Set Purpose Code: 52 , <i>Response to Historical Inquiry</i> Reference Identification: 056711344-0000581869 Transaction Date: 20130103 , <i>Transaction Create Date</i> Report Type Code: DD , <i>Usage</i>
N1*8S*ELIZABETHTOWN GAS*1*123456789	Entity Identifier Code: 8S , <i>Consumer Service Provider</i> Name: Elizabethtown Gas , <i>GDC Name</i> Identification Code Qualifier: 1 , <i>DUNS Number Dun & Bradstreet</i> Identification Code: 123456789 , <i>DUNS Number</i>
N1*SJ*ESP COMPANY NAME*1*012345678	Entity Identifier Code: SJ , <i>Service Provider</i> Name: ESP Company Name , <i>ESP Name</i> Identification Code Qualifier: 1 , <i>DUNS Number Dun & Bradstreet</i> Identification Code: 012345678 , <i>DUNS Number</i>
N1*8R*JANE DOE	Entity Identifier Code: 8R , <i>End Use Customer</i> Name: JANE DOE , <i>Customer Name</i>
REF*11*8645835	Reference Identification Qualifier: 11 , <i>ESP, Not Provided by ETG</i> Reference Identification: 8645835 , <i>ESP Account No, Not Provided by ETG</i>
REF*12*1234567890	Reference Identification Qualifier: 12 , <i>Billing Account</i> Reference Identification: 1234567890 , <i>GDC Account Number</i>
REF*45*451105687500	Reference Identification Qualifier: 45 , <i>Old Account Number, Not Provided by ETG</i> Reference Identification: 451105687500 , <i>Old GDC Account Number, Not Provided by ETG</i>

Details:

Segment Contents	Element Description
PTD*SU***07*GAS	Product Transfer Type Code: SU , <i>Summary (Totalized)</i> Reference Identification Qualifier: 07 , <i>Product</i> Reference Identification: GAS
QTY*KA*81.1*TD	Quantity Qualifier: KA Quantity: 81.1 Unit or Basis for Measurement Code: TD , <i>Therms</i>
DTM*150*20121201	Date/Time Qualifier: 150 , <i>Service Period Start</i> Date: 20121201

DTM*151*20121231	Date/Time Qualifier: 151 , <i>Service Period End</i> Date: 20121231
QTY*KA*49.7*TD	Quantity Qualifier: KA Quantity: 49.7 Unit or Basis for Measurement Code: TD , <i>Therms</i>
DTM*150*20121101	Date/Time Qualifier: 150 , <i>Service Period Start</i> Date: 20121101
DTM*151*20121130	Date/Time Qualifier: 151 , <i>Service Period End</i> Date: 20121130
QTY*KA*19.7*TD	Quantity Qualifier: KA Quantity: 19.7 Unit or Basis for Measurement Code: TD , <i>Therms</i>
DTM*150*20121001	Date/Time Qualifier: 150 , <i>Service Period Start</i> Date: 20121001
DTM*151*20121031	Date/Time Qualifier: 151 , <i>Service Period End</i> Date: 20121031
QTY*KA*9.4*TD	Quantity Qualifier: KA Quantity: 9.4 Unit or Basis for Measurement Code: TD , <i>Therms</i>
DTM*150*20120901	Date/Time Qualifier: 150 , <i>Service Period Start</i> Date: 20120901
DTM*151*20120930	Date/Time Qualifier: 151 , <i>Service Period End</i> Date: 20120930
QTY*KA*9.4*TD	Quantity Qualifier: KA Quantity: 9.4 Unit or Basis for Measurement Code: TD , <i>Therms</i>
DTM*150*20120801	Date/Time Qualifier: 150 , <i>Service Period Start</i> Date: 20120801
DTM*151*20120831	Date/Time Qualifier: 151 , <i>Service Period End</i> Date: 20120831
QTY*KA*10.4*TD	Quantity Qualifier: KA Quantity: 10.4 Unit or Basis for Measurement Code: TD , <i>Therms</i>
DTM*150*20120701	Date/Time Qualifier: 150 , <i>Service Period Start</i> Date: 20120701
DTM*151*20120731	Date/Time Qualifier: 151 , <i>Service Period End</i> Date: 20120731
QTY*KA*10.4*TD	Quantity Qualifier: KA Quantity: 10.4 Unit or Basis for Measurement Code: TD , <i>Therms</i>
DTM*150*20120601	Date/Time Qualifier: 150 , <i>Service Period Start</i> Date: 20120601
DTM*151*20120630	Date/Time Qualifier: 151 , <i>Service Period End</i> Date: 20120630
QTY*KA*16.6*TD	Quantity Qualifier: KA Quantity: 16.6 Unit or Basis for Measurement Code: TD , <i>Therms</i>

DTM*150*20120501	Date/Time Qualifier: 150 , Service Period Start Date: 20120501
DTM*151*20120531	Date/Time Qualifier: 151 , Service Period End Date: 20120531
QTY*KA*30*TD	Quantity Qualifier: KA Quantity: 30 Unit or Basis for Measurement Code: TD , Therms
DTM*150*20120401	Date/Time Qualifier: 150 , Service Period Start Date: 20120401
DTM*151*20120430	Date/Time Qualifier: 151 , Service Period End Date: 20120430
QTY*KA*52.8*TD	Quantity Qualifier: KA Quantity: 52.8 Unit or Basis for Measurement Code: TD , Therms
DTM*150*20120301	Date/Time Qualifier: 150 , Service Period Start Date: 20120301
DTM*151*20120331	Date/Time Qualifier: 151 , Service Period End Date: 20120331
QTY*KA*97.9*TD	Quantity Qualifier: KA Quantity: 97.9 Unit or Basis for Measurement Code: TD , Therms
DTM*150*20120201	Date/Time Qualifier: 150 , Service Period Start Date: 20120201
DTM*151*20120229	Date/Time Qualifier: 151 , Service Period End Date: 20120229
QTY*KA*112.2*TD	Quantity Qualifier: KA Quantity: 112.2 Unit or Basis for Measurement Code: TD , Therms
DTM*150*20120101	Date/Time Qualifier: 150 , Service Period Start Date: 20120101
DTM*151*20120131	Date/Time Qualifier: 151 , Service Period End Date: 20120131

FG Loop Scheduling

Segment Contents	Element Description
PTD*FG***07*GAS	Product Transfer Type Code: FG (<i>Flowing Gas Information</i>) Reference Identification Qualifier: 07 , Product Reference Identification: GAS
REF*BF*16	Reference Identification Qualifier: BF , <i>Billing Cycle</i> Reference Identification: 16 , <i>GDS Billing Cycle</i>

Summary:

Segment Contents	Element Description
SE*46*0001	Transaction Set Identifier Code: 46 , <i>No. Of Included Segments</i> Transaction Set Control Number: 0001 , <i>Identifying Control Number</i>

PSE&G 867 HU Example
Historical Usage
Summarized by Account (SU Loop)

Heading:

Segment Contents	Element Description
ST*867*858506328	Transaction Set Identifier Code: 867 , <i>Product Transfer</i> Transaction Set Control Number: 0000000001, <i>Identifying Control Number</i>
BPT*52*20121204009576234*20121204*DD	Transaction Set Purpose Code: 52 , Response to Historical Inquiry Reference Identification: 20121204009576234 Transaction Date: 20121204 , Transaction Create Date Report Type Code: DD , Usage
N1*8S*PSE&G*9*006973812GASP	Entity Identifier Code: 8S, Consumer Service Provider Name: PSE&G , GDC Name Identification Code Qualifier: 9, D-U-N-S+4, D-U-N-S Number with Four Character Suffix Identification Code: 006973812GASP , DUNS Number
N1*SJ*ESP COMPANY NAME*1*123456789	Entity Identifier Code: SJ, Service Provider Name: ESP Company Name , ESP Name Identification Code Qualifier: 1, DUNS Number Dun & Bradstreet Identification Code: 012345678 , DUNS Number
N1*8R*JANE DOE	Entity Identifier Code: 8R , End Use Customer Name: JANE DOE , Customer Name
REF*12*PG000011641111111111	Reference Identification Qualifier: 12 , Billing Account Reference Identification: PG000011641111111111 , GDC Account Number

Details:

Segment Contents	Element Description
PTD*SU***07*GAS	Product Transfer Type Code: SU , Summary (Totalized) Reference Identification Qualifier: 07 , Product Reference Identification: GAS
QTY*QD*93.903*TD	Quantity Qualifier: QD , Quantity Delivered Quantity: 93.903 Unit or Basis for Measurement Code: TD , Therms
DTM*150*20120128	Date/Time Qualifier: 150 , Service Period Start Date: 20120128
DTM*151*20120228	Date/Time Qualifier: 151 , Service Period End Date: 20120228
QTY*QD*55.299*TD	
DTM*150*20120229	
DTM*151*20120328	
QTY*QD*43.864*TD	
DTM*150*20120329	

DTM*151*20120427	
QTY*QD*25.090*TD	
DTM*150*20120428	
DTM*151*20120526	
QTY*QD*18.781*TD	
DTM*150*20120527	
DTM*151*20120627	
QTY*QD*16.791*TD	
DTM*150*20120628	
DTM*151*20120726	
QTY*QD*17.841*TD	
DTM*150*20120727	
DTM*151*20120824	
QTY*QD*15.742*TD	
DTM*150*20120825	
DTM*151*20120925	
QTY*QD*27.417*TD	
DTM*150*20120926	
DTM*151*20121025	
QTY*QD*74.028*TD	
DTM*150*20121026	
DTM*151*20121126	
QTY*QD*95.088*TD	
DTM*150*20121127	
DTM*151*20121226	
QTY*QD*130.758*TD	
DTM*150*20121227	
DTM*151*20130125	

FG Loop Scheduling

Segment Contents	Element Description
PTD*FG***07*GAS	Product Transfer Type Code: FG (Flowing Gas Information) Reference Identification Qualifier: 07 , Product Reference Identification: GAS
REF*BF*17	Reference Identification Qualifier: BF , Billing Cycle Reference Identification: 17 , GDC Billing Cycle

REF*NH*RSG (HTG)	Reference Identification Qualifier: NH , GDC Rate Class Reference Identification: RSG (HTG) , GDC Rate Class
QTY*MA*2.512*TD	Quantity Qualifier: MA , Miscellaneous Allowance, Daily Contract Quantity - Twelve (12) months of daily contract quantities (DCQs) are provided beginning with the DCQ effective date Quantity: 2.512 Unit or Basis for Measurement Code: TD , Therms
DTM*150*20130301	Date/Time Qualifier: 150 , Service Period Start Date: 20130301
DTM*151*20130331	Date/Time Qualifier: 151 , Service Period End Date: 20130331
QTY*MA*1.259*TD	
DTM*150*20130401	
DTM*151*20130430	
QTY*MA*.947*TD	
DTM*150*20130501	
DTM*151*20130531	
QTY*MA*.586*TD	
DTM*150*20130601	
DTM*151*20130630	
QTY*MA*.585*TD	
DTM*150*20130701	
DTM*151*20130731	
QTY*MA*.604*TD	

Summary:

Segment Contents	Element Description
SE*83*115855877	Transaction Set Identifier Code: 83 , <i>No. Of Included Segments</i> Transaction Set Control Number: 115855877 , <i>Identifying Control Number</i>

SOUTH JERSEY GAS 867 HU Example

Historical Usage

Meter Detail (PM Loop)

Heading:

Segment Contents	Element Description
ST*867*902626128	Transaction Set Identifier Code: 867 , <i>Product Transfer</i> Transaction Set Control Number: 902626128 , <i>Identifying Control Number</i>
BPT*52*4165116900920130208520000066*20130208*DD	Transaction Set Purpose Code: 52 , Response to Historical Inquiry Reference Identification: 4165116900920130208520000066 Transaction Date: 20130208 , Transaction Create Date Report Type Code: DD , Usage
N1*8S*SOUTH JERSEY GAS COMPANY*1*051409605	Entity Identifier Code: 8S , Consumer Service Provider Name: SOUTH JERSEY GAS COMPANY , GDC Name Identification Code Qualifier: 1 , DUNS Number Dun & Bradstreet Identification Code: 051409605 , DUNS Number
N1*SJ*ESP COMPANY NAME*1*012345678	Entity Identifier Code: SJ , Service Provider Name: ESP Company Name , ESP Name Identification Code Qualifier: 1 , DUNS Number Dun & Bradstreet Identification Code: 012345678 , DUNS Number
N1*8R*JANE DOE	Entity Identifier Code: 8R , End Use Customer Name: JANE DOE , Customer Name
REF*12*4165110000988889999	Reference Identification Qualifier: 12 , Billing Account Reference Identification: 4165110000988889999 , GDC Account Number

Details:

Segment Contents	Element Description
PTD*PM***07*GAS	Product Transfer Type Code: PM , Meter Detail Reference Identification Qualifier: 07 , Product Reference Identification: GAS
REF*JH*A	Reference Identification Qualifier: JH , Meter Role Reference Identification: A , Additive
REF*MG*0204169	Reference Identification Qualifier, MG , Meter Number Reference Identification, 0204169 , Meter Number
REF*NH*1190880100	Reference Identification Qualifier, NH , GDC Rate Class Reference Identification, 1190880100 , GDC Rate Class

QTY*QD*113.469*TD	Quantity Qualifier: QD , Quantity Delivered Quantity: 113.469 Unit or Basis for Measurement Code: TD , Therms
DTM*150*20121220	Date/Time Qualifier: 150 , Service Period Start Date: 20121220
DTM*151*20130121	Date/Time Qualifier: 151 , Service Period End Date: 20130121
QTY*QD*89.526*TD	
DTM*150*20121119	
DTM*151*20121220	
QTY*QD*71.484*TD	
DTM*150*20121022	
DTM*151*20121119	
QTY*QD*27.04*TD	
DTM*150*20120919	
DTM*151*20121022	
QTY*QD*14.672*TD	
DTM*150*20120817	
DTM*151*20120919	
QTY*QD*12.552*TD	
DTM*150*20120719	
DTM*151*20120817	
QTY*QD*12.528*TD	
DTM*150*20120619	
DTM*151*20120719	
QTY*QD*22.814*TD	
DTM*150*20120517	
DTM*151*20120619	
QTY*QD*29.783*TD	
DTM*150*20120420	
DTM*151*20120517	
QTY*QD*43.26*TD	
DTM*150*20120320	
DTM*151*20120420	
QTY*QD*80.574*TD	
DTM*150*20120216	
DTM*151*20120320	
QTY*QD*91.848*TD	
DTM*150*20120120	
DTM*151*20120216	
QTY*QD*107.224*TD	
DTM*150*20111220	

DTM*151*20120120	
QTY*QD*85.932*TD	
DTM*150*20111118	
DTM*151*20111220	
QTY*QD*73.059*TD	
DTM*150*20111020	
DTM*151*20111118	
QTY*QD*19.627*TD	
DTM*150*20110921	
DTM*151*20111020	
QTY*QD*17.697*TD	
DTM*150*20110818	
DTM*151*20110921	
QTY*QD*13.481*TD	
DTM*150*20110720	
DTM*151*20110818	
QTY*QD*11.418*TD	
DTM*150*20110621	
DTM*151*20110720	
QTY*QD*17.578*TD	
DTM*150*20110520	
DTM*151*20110621	
QTY*QD*23.621*TD	
DTM*150*20110419	
DTM*151*20110520	
QTY*QD*65.728*TD	
DTM*150*20110321	
DTM*151*20110419	
QTY*QD*82.16*TD	
DTM*150*20110217	
DTM*151*20110321	
QTY*QD*106.392*TD	
DTM*150*20110121	
DTM*151*20110217	

Summary:

Segment Contents	Element Description
SE*83*902626128	Transaction Set Identifier Code: 83 , <i>No. Of Included Segments</i> Transaction Set Control Number: 902626128 , <i>Identifying Control Number</i>

NJNG 867 HU Example

Historical Usage - Single Meter (RT) - multiple bills within 1 month

Meter Detail (PM Loop)

Heading:

Segment Contents	Element Description
BPT*52*220014424269113071102637XOM*20130312*DD	Transaction Set Purpose Code: 52 , Response to Historical Inquiry Reference Identification: 220014424269113071102637XOM Transaction Date: 20130312 , Transaction Create Date Report Type Code: DD , Usage
N1*8S*New Jersey Natural Gas Company*1*061843553	Entity Identifier Code: 8S , Consumer Service Provider Name: New Jersey Natural Gas , GDC Name Identification Code Qualifier: 1 , DUNS Number Dun & Bradstreet Identification Code: 061843553 , DUNS Number
N1*SJ*ESP COMPANY*1*101386142	Entity Identifier Code: SJ , Service Provider Name: ESP Company Name , ESP Name Identification Code Qualifier: 1 , DUNS Number Dun & Bradstreet Identification Code: 101386142 , DUNS Number
N1*8R*CUSTOMER NAME	Entity Identifier Code: 8R , End Use Customer Name: CUSTOMER NAME , Customer Name
REF*12*220014424269	Reference Identification Qualifier: 12 , Billing Account Reference Identification: 220014424269 , GDC Account Number

Details:

Segment Contents	Element Description
PTD*PM***07*GAS	Product Transfer Type Code: SU , Summary (Totalized) Reference Identification Qualifier: 07 , Product Reference Identification: GAS
REF*MG*00645288	Reference Identification Qualifier: MG , Meter Number Reference Identification: 00645288
REF*NH*003	Reference Identification Qualifier: NH , GDC Rate Class Reference Identification: 003
REF*PR*RES	Reference Identification Qualifier: PR , GDC Rate SubClass Reference Identification: RES
QTY*QD*83.0560*TD	Quantity Qualifier: QD , Quantity Delivered Quantity: 83.0560 Unit or Basis for Measurement Code: TD , Therms
DTM*150*20110225	Date/Time Qualifier: 150 , Service Period Start Date: 20110225

DTM*151*20110325	Date/Time Qualifier: 151 , Service Period End Date: 20110325
QTY*QD*74.8224*TD	
DTM*150*20110325	
DTM*151*20110428	
QTY*QD*20.7160*TD	
DTM*150*20110428	
DTM*151*20110527	
QTY*QD*14.5138*TD	
DTM*150*20110527	
DTM*151*20110627	
QTY*QD*17.6392*TD	
DTM*150*20110627	
DTM*151*20110728	
QTY*QD*10.3770*TD	
DTM*150*20110728	
DTM*151*20110825	
QTY*QD*7.2737*TD	
DTM*150*20110825	
DTM*151*20110922	
QTY*QD*19.8170*TD	
DTM*150*20110922	
DTM*151*20111024	
QTY*QD*61.6196*TD	
DTM*150*20111024	
DTM*151*20111122	
QTY*QD*89.8442*TD	
DTM*150*20111122	
DTM*151*20111223	
QTY*QD*134.7534*TD	
DTM*150*20111223	
DTM*151*20120126	
QTY*QD*120.5200*TD	
DTM*150*20120126	
DTM*151*20120227	
QTY*QD*72.1464*TD	
DTM*150*20120227	
DTM*151*20120327	
QTY*QD*58.6040*TD	
DTM*150*20120327	
DTM*151*20120425	
QTY*QD*34.7061*TD	
DTM*150*20120425	
DTM*151*20120525	
QTY*QD*10.5130*TD	
DTM*150*20120525	
DTM*151*20120627	
QTY*QD*1.0513*TD	

DTM*150*20120627	
DTM*151*20120630	
QTY*QD*10.5680*TD	
DTM*150*20120630	
DTM*151*20120727	
QTY*QD*7.4200*TD	
DTM*150*20120727	
DTM*151*20120824	
QTY*QD*8.4928*TD	
DTM*150*20120824	
DTM*151*20120924	
QTY*QD*27.7602*TD	
DTM*150*20120924	
DTM*151*20121023	
QTY*QD*63.1949*TD	
DTM*150*20121023	
DTM*151*20121121	
QTY*QD*101.5455*TD	
DTM*150*20121121	
DTM*151*20121224	
QTY*QD*113.1232*TD	
DTM*150*20121224	
DTM*151*20130125	
QTY*QD*122.6590*TD	
DTM*150*20130125	
DTM*151*20130225	

FG Loop Scheduling

Segment Contents	Element Description
PTD*FG	Product Transfer Type Code: FG (Flowing Gas Information)
REF*BF*13	Reference Identification Qualifier: BF , GDC Bill Cycle Reference Identification: 13

NJNG 867 HU Example

Historical Usage - Single Meter (SCR) - includes period of inactivity - no usage

Meter Detail (PM Loop)

Heading:

Segment Contents	Element Description
BPT*52*143488567038113070102612VIR*20130311*D D	Transaction Set Purpose Code: 52 , Response to Historical Inquiry Reference Identification: 220014424269113071102637XOM Transaction Date: 20130312 , Transaction Create Date Report Type Code: DD , Usage

N1*8S*New Jersey Natural Gas Company*1*061843553	Entity Identifier Code: 8S , Consumer Service Provider Name: New Jersey Natural Gas , GDC Name Identification Code Qualifier: 1 , DUNS Number Dun & Bradstreet Identification Code: 061843553 , DUNS Number
N1*SJ*ESP COMPANY*1*101386142	Entity Identifier Code: SJ , Service Provider Name: ESP Company Name , ESP Name Identification Code Qualifier: 1 , DUNS Number Dun & Bradstreet Identification Code: 101386142 , DUNS Number
N1*8R*CUSTOMER NAME	Entity Identifier Code: 8R , End Use Customer Name: CUSTOMER NAME , Customer Name
REF*12*143488567038	Reference Identification Qualifier: 12 , Billing Account Reference Identification: 220014424269 , GDC Account Number

Details:

Segment Contents	Element Description
PTD*PM***07*GAS	Product Transfer Type Code: SU , Summary (Totalized) Reference Identification Qualifier: 07 , Product Reference Identification: GAS
REF*DQ*6.53	Reference Identification Qualifier: DQ , Highest Monthly Average Daily (HMAD) Reference Identification: 6.53
REF*MG*00649648	Reference Identification Qualifier: MG , Meter Number Reference Identification: 00645288
REF*NH*006	Reference Identification Qualifier: NH , GDC Rate Class Reference Identification: 003
REF*PR*COM	Reference Identification Qualifier: PR , GDC Rate SubClass Reference Identification: RES
REF*SJ*8.88*CTB	Reference Identification Qualifier: SJ , Maximum Daily Quantity (MDQ) Reference Identification: 8.88 Description: CTB
REF*SJ*4.00*SCR	Reference Identification Qualifier: SJ , Maximum Daily Quantity (MDQ) Reference Identification: 4.00 Description: SCR
REF*SJ*8.88*FT	Reference Identification Qualifier: SJ , Maximum Daily Quantity (MDQ) Reference Identification: 8.88 Description: FT

QTY*QD*56.0628*TD	Quantity Qualifier: QD , Quantity Delivered Quantity: 56.0628 Unit or Basis for Measurement Code: TD , Therms
DTM*150*20110308	Date/Time Qualifier: 150 , Service Period Start Date: 20110308
DTM*151*20110405	Date/Time Qualifier: 151 , Service Period End Date: 20110405
QTY*QD*20.7840*TD	
DTM*150*20110405	
DTM*151*20110504	
QTY*QD*5.1790*TD	
DTM*150*20110504	
DTM*151*20110606	
QTY*QD*34.4190*TD	
DTM*150*20111003	
DTM*151*20111102	
QTY*QD*96.0848*TD	
DTM*150*20111102	
DTM*151*20111205	
QTY*QD*157.7497*TD	
DTM*150*20111205	
DTM*151*20120105	
QTY*QD*160.8684*TD	
DTM*150*20120105	
DTM*151*20120203	
QTY*QD*157.2000*TD	
DTM*150*20120203	
DTM*151*20120306	
QTY*QD*54.3712*TD	
DTM*150*20120306	
DTM*151*20120404	
QTY*QD*27.2090*TD	
DTM*150*20120404	
DTM*151*20120504	
QTY*QD*5.2585*TD	
DTM*150*20120504	
DTM*151*20120605	
QTY*QD*4.2052*TD	
DTM*150*20120605	
DTM*151*20120706	
QTY*QD*3.1704*TD	
DTM*150*20120706	
DTM*151*20120806	
QTY*QD*3.1800*TD	
DTM*150*20120806	
DTM*151*20120831	
QTY*QD*5.3080*TD	
DTM*150*20120831	
DTM*151*20121001	

QTY*QD*12.8124*TD	
DTM*150*20121001	
DTM*151*20121101	
QTY*QD*209.9356*TD	
DTM*150*20121101	
DTM*151*20121203	
QTY*QD*239.4336*TD	
DTM*150*20121203	
DTM*151*20130107	
QTY*QD*137.6688*TD	
DTM*150*20130107	
DTM*151*20130201	
QTY*QD*138.6580*TD	
DTM*150*20130201	
DTM*151*20130305	

FG Loop Scheduling

Segment Contents	Element Description
PTD*FG	Product Transfer Type Code: FG (Flowing Gas Information)
REF*BF*20	Reference Identification Qualifier: BF , GDC Bill Cycle Reference Identification: 20

NJNG 867 HU Example

Historical Usage - Single Meter (CTB)

Meter Detail (PM Loop)

Heading:

Segment Contents	Element Description
BPT*52*220006637678113070142617AHC*20130311*DD	Transaction Set Purpose Code: 52 , Response to Historical Inquiry Reference Identification: 220006637678113070142617AHC Transaction Date: 20130311 , Transaction Create Date Report Type Code: DD , Usage
N1*8S*New Jersey Natural Gas Company*1*061843553	Entity Identifier Code: 8S , Consumer Service Provider Name: New Jersey Natural Gas , GDC Name Identification Code Qualifier: 1 , DUNS Number Dun & Bradstreet Identification Code: 061843553 , DUNS Number
N1*SJ*ESP COMPANY*1*101386142	Entity Identifier Code: SJ , Service Provider Name: ESP Company Name , ESP Name Identification Code Qualifier: 1 , DUNS Number Dun & Bradstreet Identification Code: 101386142 , DUNS Number
N1*8R*CUSTOMER NAME	Entity Identifier Code: 8R , End Use Customer Name: CUSTOMER NAME , Customer Name

REF*12*220006637678	Reference Identification Qualifier: 12 , Billing Account Reference Identification: 220006637678 , GDC Account Number
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Details:

Segment Contents	Element Description
PTD*PM***07*GAS	Product Transfer Type Code: SU , Summary (Totalized) Reference Identification Qualifier: 07 , Product Reference Identification: GAS
REF*DQ*135.19	Reference Identification Qualifier: DQ , Highest Monthly Average Daily (HMAD) Reference Identification: 135.19
REF*MG*00657856	Reference Identification Qualifier: MG , Meter Number Reference Identification: 00657856
REF*NH*007	Reference Identification Qualifier: NH , GDC Rate Class Reference Identification: 007
REF*PR*COM	Reference Identification Qualifier: PR , GDC Rate SubClass Reference Identification: COM
REF*SJ*183.86*CTB	Reference Identification Qualifier: SJ , Maximum Daily Quantity (MDQ) Reference Identification: 183.86 Description: CTB
REF*SJ*183.86*FT	Reference Identification Qualifier: SJ , Maximum Daily Quantity (MDQ) Reference Identification: 183.86 Description: FT
QTY*QD*2753.5200*TD	Quantity Qualifier: QD , Quantity Delivered Quantity: 2753.5200 Unit or Basis for Measurement Code: TD , Therms
DTM*150*20110211	Date/Time Qualifier: 150 , Service Period Start Date: 20110211
DTM*151*20110316	Date/Time Qualifier: 151 , Service Period End Date: 20110316
QTY*QD*2066.2739*TD	
DTM*150*20110316	
DTM*151*20110413	
QTY*QD*1399.6070*TD	
DTM*150*20110413	
DTM*151*20110513	
QTY*QD*1365.4065*TD	
DTM*150*20110513	
DTM*151*20110614	
QTY*QD*1312.3816*TD	
DTM*150*20110614	
DTM*151*20110715	

QTY*QD*1239.5325*TD	
DTM*150*20110715	
DTM*151*20110813	
QTY*QD*1266.2507*TD	
DTM*150*20110813	
DTM*151*20110912	
QTY*QD*1259.5758*TD	
DTM*150*20110912	
DTM*151*20111013	
QTY*QD*1365.1393*TD	
DTM*150*20111013	
DTM*151*20111109	
QTY*QD*2072.9599*TD	
DTM*150*20111109	
DTM*151*20111214	
QTY*QD*2484.1666*TD	
DTM*150*20111214	
DTM*151*20120116	
QTY*QD*1903.6432*TD	
DTM*150*20120116	
DTM*151*20120211	
QTY*QD*2302.6960*TD	
DTM*150*20120211	
DTM*151*20120315	
QTY*QD*1326.8668*TD	
DTM*150*20120315	
DTM*151*20120411	
QTY*QD*1477.2666*TD	
DTM*150*20120411	
DTM*151*20120514	
QTY*QD*1178.7192*TD	
DTM*150*20120514	
DTM*151*20120612	
QTY*QD*1269.7932*TD	
DTM*150*20120612	
DTM*151*20120714	
QTY*QD*1095.8850*TD	
DTM*150*20120714	
DTM*151*20120811	
QTY*QD*1246.8554*TD	
DTM*150*20120811	
DTM*151*20120912	
QTY*QD*1244.3320*TD	
DTM*150*20120912	
DTM*151*20121012	
QTY*QD*1494.7029*TD	
DTM*150*20121012	
DTM*151*20121109	

QTY*QD*2340.0281*TD	
DTM*150*20121109	
DTM*151*20121212	
QTY*QD*2213.0208*TD	
DTM*150*20121212	
DTM*151*20130114	
QTY*QD*2793.6612*TD	
DTM*150*20130114	
DTM*151*20130213	

FG Loop Scheduling

Segment Contents	Element Description
PTD*FG	Product Transfer Type Code: FG (Flowing Gas Information)
REF*BF*05	Reference Identification Qualifier: BF , GDC Bill Cycle Reference Identification: 05

NJNG 867 HU Example

Historical Usage - Multiple Meters

Meter Detail (PM Loop)

Heading:

Segment Contents	Element Description
BPT*52*023416781617112139102535MET*20120518*DD	Transaction Set Purpose Code: 52 , Response to Historical Inquiry Reference Identification: 023416781617112139102535MET Transaction Date: 20120518 , Transaction Create Date Report Type Code: DD , Usage
N1*8S*New Jersey Natural Gas Company*1*061843553	Entity Identifier Code: 8S , Consumer Service Provider Name: New Jersey Natural Gas , GDC Name Identification Code Qualifier: 1 , DUNS Number Dun & Bradstreet Identification Code: 061843553 , DUNS Number
N1*SJ*ESP COMPANY*1*101386142	Entity Identifier Code: SJ , Service Provider Name: ESP Company Name , ESP Name Identification Code Qualifier: 1 , DUNS Number Dun & Bradstreet Identification Code: 101386142 , DUNS Number
N1*8R*CUSTOMER NAME	Entity Identifier Code: 8R , End Use Customer Name: CUSTOMER NAME , Customer Name
REF*12*023416781617	Reference Identification Qualifier: 12 , Billing Account Reference Identification: 220006637678 , GDC Account Number

Details: Meter 1

Segment Contents	Element Description
PTD*PM***07*GAS	Product Transfer Type Code: SU , Summary (Totalized) Reference Identification Qualifier: 07 , Product Reference Identification: GAS
REF*DQ*23.10	Reference Identification Qualifier: DQ , Highest Monthly Average Daily (HMAD) Reference Identification: 23.10
REF*MG*00383087	Reference Identification Qualifier: MG , Meter Number Reference Identification: 00383087
REF*NH*006	Reference Identification Qualifier: NH , GDC Rate Class Reference Identification: 006
REF*PR*COM	Reference Identification Qualifier: PR , GDC Rate SubClass Reference Identification: COM
REF*SJ*31.41*CTB	Reference Identification Qualifier: SJ , Maximum Daily Quantity (MDQ) Reference Identification: 31.41 Description: CTB
REF*SJ*10.00*SCR	Reference Identification Qualifier: SJ , Maximum Daily Quantity (MDQ) Reference Identification: 10.00 Description: SCR
REF*SJ*31.41*FT	Reference Identification Qualifier: SJ , Maximum Daily Quantity (MDQ) Reference Identification: 31.41 Description: FT
QTY*QD*1.0336*TD	Quantity Qualifier: QD , Quantity Delivered Quantity: 1.0336 Unit or Basis for Measurement Code: TD , Therms
DTM*150*20100604	Date/Time Qualifier: 150 , Service Period Start Date: 20100604
DTM*151*20100706	Date/Time Qualifier: 151 , Service Period End Date: 20100706
QTY*QD*1.0346*TD	
DTM*150*20100706	
DTM*151*20100804	
QTY*QD*1.0376*TD	
DTM*150*20100831	
DTM*151*20100930	
QTY*QD*2.0750*TD	
DTM*150*20100930	
DTM*151*20101102	
QTY*QD*79.1920*TD	
DTM*150*20101102	
DTM*151*20101206	
QTY*QD*590.7908*TD	

DTM*150*20101206	
DTM*151*20110106	
QTY*QD*815.0004*TD	
DTM*150*20110106	
DTM*151*20110204	
QTY*QD*337.9644*TD	
DTM*150*20110204	
DTM*151*20110307	
QTY*QD*160.6220*TD	
DTM*150*20110307	
DTM*151*20110405	
QTY*QD*14.6174*TD	
DTM*150*20110405	
DTM*151*20110504	
QTY*QD*1.0415*TD	
DTM*150*20110606	
DTM*151*20110706	
QTY*QD*1.0424*TD	
DTM*150*20110706	
DTM*151*20110803	
QTY*QD*1.0425*TD	
DTM*150*20110803	
DTM*151*20110901	
QTY*QD*2.0958*TD	
DTM*150*20111003	
DTM*151*20111102	
QTY*QD*8.3944*TD	
DTM*150*20111102	
DTM*151*20111205	
QTY*QD*216.2176*TD	
DTM*150*20111205	
DTM*151*20120105	
QTY*QD*271.8205*TD	
DTM*150*20120105	
DTM*151*20120203	
QTY*QD*300.0765*TD	
DTM*150*20120203	
DTM*151*20120306	
QTY*QD*51.4745*TD	
DTM*150*20120306	
DTM*151*20120405	
QTY*QD*1.0514*TD	
DTM*150*20120405	
DTM*151*20120504	

Details: Meter 2

Segment Contents	Element Description
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PTD*PM***07*GAS	Product Transfer Type Code: SU , Summary (Totalized) Reference Identification Qualifier: 07 , Product Reference Identification: GAS
REF*DQ*29.34	Reference Identification Qualifier: DQ , Highest Monthly Average Daily (HMAD) Reference Identification: 29.34
REF*MG*00912929	Reference Identification Qualifier: MG , Meter Number Reference Identification: 00912929
REF*NH*004	Reference Identification Qualifier: NH , GDC Rate Class Reference Identification: 006
REF*PR*COM	Reference Identification Qualifier: PR , GDC Rate SubClass Reference Identification: COM
REF*SJ*66.81*CTB	Reference Identification Qualifier: SJ , Maximum Daily Quantity (MDQ) Reference Identification: 66.81 Description: CTB
REF*SJ*26.00*SCR	Reference Identification Qualifier: SJ , Maximum Daily Quantity (MDQ) Reference Identification: 26.00 Description: SCR
REF*SJ*66.81*FT	Reference Identification Qualifier: SJ , Maximum Daily Quantity (MDQ) Reference Identification: 66.81 Description: FT
QTY*QD*120.4544*TD	Quantity Qualifier: QD , Quantity Delivered Quantity: 120.4544 Unit or Basis for Measurement Code: TD , Therms
DTM*150*20100504	Date/Time Qualifier: 150 , Service Period Start Date: 20100504
DTM*151*20100604	Date/Time Qualifier: 151 , Service Period End Date: 20100604
QTY*QD*53.7472*TD	
DTM*150*20100604	
DTM*151*20100706	
QTY*QD*13.4498*TD	
DTM*150*20100706	
DTM*151*20100804	
QTY*QD*13.4693*TD	
DTM*150*20100804	
DTM*151*20100831	
QTY*QD*16.6016*TD	
DTM*150*20100831	
DTM*151*20100930	
QTY*QD*188.8250*TD	
DTM*150*20100930	
DTM*151*20101102	

QTY*QD*433.4720*TD	
DTM*150*20101102	
DTM*151*20101206	
QTY*QD*640.8932*TD	
DTM*150*20101206	
DTM*151*20110106	
QTY*QD*655.5438*TD	
DTM*150*20110106	
DTM*151*20110204	
QTY*QD*548.6706*TD	
DTM*150*20110204	
DTM*151*20110307	
QTY*QD*408.8560*TD	
DTM*150*20110307	
DTM*151*20110405	
QTY*QD*223.4374*TD	
DTM*150*20110405	
DTM*151*20110504	
QTY*QD*104.0600*TD	
DTM*150*20110504	
DTM*151*20110606	
QTY*QD*66.6560*TD	
DTM*150*20110606	
DTM*151*20110706	
QTY*QD*44.8232*TD	
DTM*150*20110706	
DTM*151*20110803	
QTY*QD*64.6350*TD	
DTM*150*20110803	
DTM*151*20110901	
QTY*QD*92.9071*TD	
DTM*150*20110901	
DTM*151*20111003	
QTY*QD*215.8674*TD	
DTM*150*20111003	
DTM*151*20111102	
QTY*QD*397.6847*TD	
DTM*150*20111102	
DTM*151*20111205	
QTY*QD*510.1056*TD	
DTM*150*20111205	
DTM*151*20120105	
QTY*QD*537.3440*TD	
DTM*150*20120105	
DTM*151*20120203	
QTY*QD*589.6240*TD	
DTM*150*20120203	
DTM*151*20120306	

QTY*QD*358.2205*TD	
DTM*150*20120306	
DTM*151*20120405	
QTY*QD*246.0276*TD	
DTM*150*20120405	
DTM*151*20120504	

Details: Meter 3

Segment Contents	Element Description
PTD*PM***07*GAS	Product Transfer Type Code: SU , Summary (Totalized) Reference Identification Qualifier: 07 , Product Reference Identification: GAS
REF*DQ*167.12	Reference Identification Qualifier: DQ , Highest Monthly Average Daily (HMAD) Reference Identification: 167.12
REF*MG*00810919	Reference Identification Qualifier: MG , Meter Number Reference Identification: 00810919
REF*NH*008	Reference Identification Qualifier: NH , GDC Rate Class Reference Identification: 008
REF*PR*IND	Reference Identification Qualifier: PR , GDC Rate SubClass Reference Identification: IND
REF*SJ*227.28*CTB	Reference Identification Qualifier: SJ , Maximum Daily Quantity (MDQ) Reference Identification: 227.28 Description: CTB
REF*SJ*227.28*FT	Reference Identification Qualifier: SJ , Maximum Daily Quantity (MDQ) Reference Identification: 227.28 Description: FT
QTY*QD*10.3750*TD	Quantity Qualifier: QD , Quantity Delivered Quantity: 120.4544 Unit or Basis for Measurement Code: TD , Therms
DTM*150*20100930	Date/Time Qualifier: 150 , Service Period Start Date: 20100504
DTM*151*20101102	Date/Time Qualifier: 151 , Service Period End Date: 20100604
QTY*QD*248.9280*TD	
DTM*150*20101102	
DTM*151*20101206	
QTY*QD*1381.7370*TD	
DTM*150*20101206	
DTM*151*20110106	
QTY*QD*1555.9500*TD	
DTM*150*20110106	
DTM*151*20110204	
QTY*QD*706.0440*TD	

DTM*150*20110204	
DTM*151*20110307	
QTY*QD*373.7520*TD	
DTM*150*20110307	
DTM*151*20110405	
QTY*QD*10.3920*TD	
DTM*150*20110405	
DTM*151*20110504	
QTY*QD*10.3770*TD	
DTM*150*20110803	
DTM*151*20110901	
QTY*QD*73.1080*TD	
DTM*150*20111102	
DTM*151*20111205	
QTY*QD*699.9490*TD	
DTM*150*20111205	
DTM*151*20120105	
QTY*QD*762.5580*TD	
DTM*150*20120105	
DTM*151*20120203	
QTY*QD*754.5600*TD	
DTM*150*20120203	
DTM*151*20120306	
QTY*QD*73.1920*TD	
DTM*150*20120306	
DTM*151*20120405	
QTY*QD*10.4650*TD	
DTM*150*20120405	
DTM*151*20120504	

Details: Meter 4

Segment Contents	Element Description
PTD*PM***07*GAS	Product Transfer Type Code: SU , Summary (Totalized) Reference Identification Qualifier: 07 , Product Reference Identification: GAS
REF*DQ*73.35	Reference Identification Qualifier: DQ , Highest Monthly Average Daily (HMAD) Reference Identification: 73.35
REF*MG*00489134	Reference Identification Qualifier: MG , Meter Number Reference Identification: 00489134
REF*NH*008	Reference Identification Qualifier: NH , GDC Rate Class Reference Identification: 008
REF*PR*IND	Reference Identification Qualifier: PR , GDC Rate SubClass Reference Identification: IND

REF*SJ*110.70*CTB	Reference Identification Qualifier: SJ , Maximum Daily Quantity (MDQ) Reference Identification: 110.70 Description: CTB
REF*SJ*16.00*SCR	Reference Identification Qualifier: SJ , Maximum Daily Quantity (MDQ) Reference Identification: 16.00 Description: SCR
REF*SJ*110.70*FT	Reference Identification Qualifier: SJ , Maximum Daily Quantity (MDQ) Reference Identification: 227.28 Description: FT
QTY*QD*42.5744*TD	Quantity Qualifier: QD , Quantity Delivered Quantity: 120.4544 Unit or Basis for Measurement Code: TD , Therms
DTM*150*20100504	Date/Time Qualifier: 150 , Service Period Start Date: 20100504
DTM*151*20100603	Date/Time Qualifier: 151 , Service Period End Date: 20100603
QTY*QD*89.9232*TD	
DTM*150*20100603	
DTM*151*20100706	
QTY*QD*50.6954*TD	
DTM*150*20100706	
DTM*151*20100804	
QTY*QD*20.7220*TD	
DTM*150*20100804	
DTM*151*20100831	
QTY*QD*2.0750*TD	
DTM*150*20100930	
DTM*151*20101102	
QTY*QD*1.0372*TD	
DTM*150*20101102	
DTM*151*20101206	
QTY*QD*429.0657*TD	
DTM*150*20101206	
DTM*151*20110106	
QTY*QD*451.2255*TD	
DTM*150*20110106	
DTM*151*20110204	
QTY*QD*919.9338*TD	
DTM*150*20110204	
DTM*151*20110307	
QTY*QD*394.5160*TD	
DTM*150*20110307	
DTM*151*20110405	
QTY*QD*76.9008*TD	
DTM*150*20110405	
DTM*151*20110504	

QTY*QD*71.4702*TD	
DTM*150*20110504	
DTM*151*20110606	
QTY*QD*46.6515*TD	
DTM*150*20110606	
DTM*151*20110706	
QTY*QD*57.0680*TD	
DTM*150*20110706	
DTM*151*20110803	
QTY*QD*1.0377*TD	
DTM*150*20110803	
DTM*151*20110901	
QTY*QD*23.8993*TD	
DTM*150*20110901	
DTM*151*20111003	
QTY*QD*95.9560*TD	
DTM*150*20111003	
DTM*151*20111102	
QTY*QD*41.7760*TD	
DTM*150*20111102	
DTM*151*20111205	
QTY*QD*22.9834*TD	
DTM*150*20111205	
DTM*151*20120105	
QTY*QD*24.0258*TD	
DTM*150*20120105	
DTM*151*20120203	
QTY*QD*66.0240*TD	
DTM*150*20120203	
DTM*151*20120306	
QTY*QD*1.0465*TD	
DTM*150*20120405	
DTM*151*20120504	

FG Loop Scheduling

Segment Contents	Element Description
PTD*FG	Product Transfer Type Code: FG (Flowing Gas Information)
REF*BF*20	Reference Identification Qualifier: BF , GDC Bill Cycle Reference Identification: 20