New Jersey GAS

Implementation Guideline

For

Electronic Data Interchange

TRANSACTION SET

867

Historical Usage
Ver/Rel 004010

Table of Contents

Summary of Changes

February 10, 2000 **Version 1.0**	Initial Release.
June 15, 2000	Instituted redlining of all changes

- 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

September 6, 2000 Version 1.2	

- 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.

December 12, 2000 *Version 1.3*	

- 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

May 23, 2001 Version 1.4	Corrected position and loop for segment REF*DQ Added Table of contents Added Data Dictionary Modified notes on segment REF*NH to clarify NJNG transportation service options.
June 21, 2001	Corrected NJ use on segment REF*SJ Removed comment on segment QTY quantity delivered Corrected Use Note on Segment REF*11 (ESP Account Number)
December 12, 2003	Added PTD loop FG=Scheduling Determinants to provide DQC for 12 months
October 20, 2006 Version 1.7	Added REF segment for GDC Billing cycle
October 30, 2006 Version 1.8	Moved REF segment for GDC Billing cycle to the right position within the PTD*FG loop; Added a sample with PTD FG loop
November 02, 2006 Version 1.9	Corrected PTD*FG loop information; Also clarified the dates to which DCQs apply in PSEG transactions.
April 8, 2013 Version 2.1	Updated version
September 10, 2014 Version 2.2	Added BPT09, QTY03 value HH, MEA segment, MEACF in support of SJG.

Notes

Use

- 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.

GDC Definitions:

- The term GDC (Gas Distribution Company) in this document refers to the utility.

ESP Definitions:

- 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.

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

Request:	Required
Accept Response:	Required
Reject Response:	Required
NJ Use:	Same as PA
Example:	REF*12*2931839200

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 GDC assigned account number for end use customer.	
Must Use	REF02	127	**Reference Identification** Reference information as de____ for a particular Transaction Set or as specified by th__ 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

Applied Field	Field Name	Description	EDI Element	Loop / Related EDI Qualifier	Data Type
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	Transaction Reference Number	Transaction Reference Number echoed from BGN02 of the 814 Request Transaction	BPT09		X(30)
6	GDC Name	GDC's Name	N102	N1: N101 = 8S	X(60)
7	GDC Duns	GDC's DUNS Number or DUNS+4 Number	N104	N1: N101 = 8S N103 = 1 or 9	X(13)
8	ESP Name	ESP's Name	N102	N1: N101 = SJ	X(60)
9	ESP Duns	ESP's DUNS Number or DUNS+4 Number	N104	N1: N101 = SJ N103 = 1 or 9	X(13)
10	Customer Name	Customer Name	N102	N1: N101 = 8R	X(60)
11	ESP Account Number	ESP Customer Account Number	REF02	N1: N101 = 8R REF01 = 11	X(30)
12	GDC Account Number	GDC Customer Account Number	REF02	N1: N101 = 8R REF01 = 12	X(30)
13	Old Account Number	Previous GDC Customer Account Number	REF02	N1: N101 = 8R REF01 = 45	X(30)
PTD Loop for Historical Usage that is Summarized/Totalized by Account (PTD01 = SU)					
	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	REF02	PTD: REF01 = SJ	9(15.2)

		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.			
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 totalized 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	REF02	PTD: REF01 = SJ	9(15.2)

		warranted based on customer usage. This value is a fixed billable unit in NJNGs Tariff.			
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	Unit of Measure	Unit of measure for reads.	MEA04		X(2)
31	Beginning Reading	Value specifying beginning reading for the metering period. Factors have not been applied to this value.	MEA05		9(8).9(4)
32	Ending/Single Reading	The ending reading or single reading for metering period. Factors have not been applied to this value.	MEA06		9(8).9(4)
33	Measurement Significance Code	Code used to benchmark, qualify, or further define a measurement value.	MEA07		X(2)
34	Conversion Factor	Represents the BTU conversion factor when MEA02 equals "CF". When no Conversion Factor is present, do not send this MEA segment.	MEA03	MEA01 = CF	9(9).9(4)
35	Service Period Start	Start date of the period for which these readings are provided	DTM02	QTY: DTM01 = 150	X(8)
36	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				
37	Loop Identification	Indicates loop for Scheduling Determinants	PTD01 = FG		X(2)
38	GDC Billing Cycle	GDC Cycle on which the bill will be rendered	REF02	PTD: REF01 = BF	X(2)
39	Quantity Delivered	Represents quantity of DCQ for month	QTY02	PTD: QTY01 = **MA**	9(15)
40	Quantity Delivered Unit of Measurement	Indicates unit of measurement for quantity of DCQ for month	QTY03=TD	PTD: QTY01 = **MA**	X(2)
41	Service Period Start	Start date of the period for which these DCQ's are provided	DTM02	QTY: DTM01 = **150**	X(8)
42	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 Des.	Max.Use	Loop Repeat	Notes and Comments
M	010	ST	Transaction Set Header	M	1		
M	020	BPT	Beginning Segment for Product Transfer and Resale	M	1		
			LOOP ID - N1			5	
Used	080	N1	Name (8S = GDC Name)	O	1		
			LOOP ID - N1			5	
Used	080	N1	Name (SJ = ESP Name)	O	1		
			LOOP ID - N1			5	
Used	080	N1	Name (8R = Customer Name)	O	1		
Used	120	REF	Reference Identification (11 = ESP Account Number)	O	12		
Used	120	REF	Reference Identification (12 = GDC Account Number)	O	12		
Used	120	REF	Reference Identification (45 = GDC Old Account Number)	O	12		

Detail:

	Pos. No.	Seg. ID	Name	Attributes Des.	Max.Use	Loop Repeat	Notes and Comments
			LOOP ID - PTD			>1	
M	010	PTD	Product Transfer and Resale Detail (SU = Consumption Summarized for Account)	M	1		
Used	030	REF	Reference Identification (DQ = Highest Monthly Average Daily (HMAD))	O	>1		
Used	030	REF	Reference Identification (SJ = Maximum Daily Quantity (MDQ))	O	>1		
			LOOP ID - QTY			>1	
Used	110	QTY	Quantity (Quantity Delivered)	O	1		
Used	210	DTM	Date/Time Reference (150 = Service Period Start)	O	10		
Used	210	DTM	Date/Time Reference (151 = Service Period End)	O	10		
			LOOP ID - PTD			>1	
M	010	PTD	Product Transfer and Resale Detail (PM = Meter Detail)	M	1		
Used	030	REF	Reference Identification (DQ = Highest Monthly Average Daily (HMAD))	O	>1		
M	030	REF	Reference Identification (MG = Meter Number)	M	20		
Used	030	REF	Reference Identification (NH = GDC Rate Code)	O	20		

Used	030	REF	Reference Identification (PR = GDC Rate Subclass)	O	20		
Used	030	REF	Reference Identification (SJ = Maximum Daily Quantity (MDQ))	O	>1		
			LOOP ID - QTY			>1	
Used	110	QTY	Quantity (Quantity Delivered)	O	1		
Used	160	MEA	Measurements (Meter Readings)	O	40		
Used	160	MEA	Measurements (CF = Conversion Factor)	O	40		
Used	210	DTM	Date/Time Reference (150 = Service Period Start)	O	10		
Used	210	DTM	Date/Time Reference (151 = Service Period End)	O	10		
			LOOP ID - PTD			>1	
M	010	PTD	Product Transfer and Resale Detail (FG= Scheduling Determinants)	M	1		
Used	030	REF	Reference Identification (BF = GDC Billing Cycle)	O	20		
			LOOP ID - QTY			>1	
Used	110	QTY	Quantity (MA = DCQ Quantity Delivered)	O	1		
Used	210	DTM	Date/Time Reference (150 = Service Period Start)	O	10		
Used	210	DTM	Date/Time Reference (151 = Service Period End)	O	>1		

Summary:

	Pos. No.	Seg. ID	Name	Attributes Des.	Max.Use	Loop Repeat	Notes and Comments
M	030	SE	Transaction Set Trailer	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
Comments:
Business Rules: Variable Name: STST
Notes: NJ Use: Required
Example: ST*867*000000001

Data Element Summary

	Ref. Des.	Data Element	Name	Attributes	
M	ST01	143	**Transaction Set Identifier Code**	M	ID 3/3

Code uniquely identifying a Transaction Set

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	Ref. Des.	Data Element	Name	Attributes	
M	ST02	329	**Transaction Set Control Number**	M	AN 4/9

Identifying control number that must be unique within the transaction set functional group assigned by the originator for a transaction set

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
Comments:	
Notes:	NJ Use: Required

Example: BPT*52*2000070112300001*20000701*DD

SJG uses BPT09 to reference 814H request.
BPT*52*2000070112300001*20000701*DD*****20140909814H0001

Data Element Summary

	Ref. Des.	Data Element	Name	Attributes	
M	BPT01	353	**Transaction Set Purpose Code**	**M**	**ID 2/2**

Code identifying purpose of transaction set

52   Response to Historical Inquiry

Response to a request for historical meter reading.

M/U	BPT02	127	**Reference Identification**	**O**	**AN 1/30**

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.

M	BPT03	373	**Date**	**M**	**DT 8/8**

Date expressed as CCYYMMDD

The transaction creation date - the date that the data was processed by the application system.

M/U	BPT04	755	**Report Type Code**	**O**	**ID 2/2**

Code indicating the title or contents of a document, report or supporting item

DD   Distributor Inventory Report

Usage

O	BPT09	127	**Reference Identification**	**O**	**AN 1/30**

Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier

The original transaction identification number from the 814 request

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
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

	Ref. Des.	Data Element	Name		Attributes
M	N101	98	**Entity Identifier Code**	M	ID 2/3

Code identifying an organizational entity, a physical location, property or an individual

8S		Consumer Service Provider (CSP)
		GDC

	Ref. Des.	Data Element	Name		Attributes
M/U	N102	93	**Name**	X	AN 1/60

Free-form name

GDC Company Name

	Ref. Des.	Data Element	Name		Attributes
M/U	N103	66	**Identification Code Qualifier**	X	ID 1/2

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

	Ref. Des.	Data Element	Name		Attributes
M/U	N104	67	**Identification Code**	X	AN 2/80

Code identifying a party or other code

GDC D-U-N-S Number or D-U-N-S + 4 Number

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		
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

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

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	
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

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

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

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

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

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

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

Data Element Summary

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

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
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

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

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

Data Element Summary

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

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

Data Element Summary

	Ref. Des.	Data Element	Name	Attributes	
M	REF01	128	**Reference Identification Qualifier**	M	ID 2/3

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/U	REF02	127	**Reference Identification**	X	AN 1/30

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

M/U	REF03	352	**Description**	X	AN 1/80

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

Segment: **QTY** Quantity (Quantity Delivered)
Position: 110
Loop: QTY   Optional
Level: Detail
Usage: Optional
Max Use: 1
Purpose: To specify quantity information
Comments:
Notes: 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

	Ref. Des.	Data Element	Name		Attributes
M	QTY01	673	**Quantity Qualifier**	M	ID 2/2
			Code specifying the type of quantity		
			QD Quantity Delivered		
M/U	QTY02	380	**Quantity**	X	R 1/15
			Numeric value of quantity		
M	QTY03	C001	**Composite Unit of Measure**	M	
			To identify a composite unit of measure (See Figures Appendix for examples of use)		
M	C00101	355	**Unit or Basis for Measurement Code**	M	ID 2/2
			Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken		
			TD Therms		
O	QTY04	61	**Free-Form Message**	X	AN 1/30
			Free-form information		

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
Comments:
Notes: NJ Use: Required
Example: DTM*150*20121117

Data Element Summary

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

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
Comments:
Notes: NJ Use: Required
Example: DTM*151*20121217

Data Element Summary

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

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
Comments:
Notes: 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

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

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

Data Element Summary

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

Segment: **REF** Reference Identification (MG = Meter Number)
Position: 030
Loop: PTD   Mandatory
Level: Detail
Usage: Mandatory
Max Use: 20
Purpose: To specify identifying information
Comments:
Notes: NJ Use: Required if providing Historical Usage by Meter; otherwise, not used.
Example: REF*MG*87876567

Data Element Summary

	Ref. Des.	Data Element	Name	Attributes	
M/U	**REF01**	**128**	**Reference Identification Qualifier**	**X**	**ID 2/3**
			Code qualifying the Reference Identification		
			MG Meter Number		
			Meter ID Serial Number		
M/U	**REF02**	**127**	**Reference Identification**	**X**	**AN 1/30**
			Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier		
O	**REF03**	**352**	**Description**	**X**	**AN 1/80**
			A free-form description to clarify the related data elements and their content		

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
Comments:	
Notes:	NJ Use: Mandatory
	Example: REF*NH*GS1

Data Element Summary

Ref. Des.	Data Element	Name	Attributes
M	**REF01**	**128**	**Reference Identification Qualifier**	**M ID 2/3**
			Code qualifying the Reference Identification	
			NH GDC Rate C ode	
M/U	**REF02**	**127**	**Reference Identification**	**X AN 1/30**
			Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier	

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	
Comments:		
Notes:	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

	Ref. Des.	Data Element	Name	Attributes
M	REF01	128	**Reference Identification Qualifier**	M ID 2/3
			Code qualifying the Reference Identification	
			PR Price Quote Number	
			GDC Rate Subclass - Used to provide further classification of a rate.	
M/U	REF02	127	**Reference Identification**	X AN 1/30
			Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier	

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

Data Element Summary

	Ref. Des.	Data Element	Name	Attributes	
M	REF01	128	**Reference Identification Qualifier**	M	ID 2/3
			Code qualifying the Reference Identification		
M/U	REF02	127	**Reference Identification**	X	AN 1/30
			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		
M/U	REF03	352	**Description**	X	AN 1/80
			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		

Segment: **QTY** Quantity (Quantity Delivered)
Position: 110
Loop: QTY   Optional
Level: Detail
Usage: Optional
Max Use: 1
Purpose: To specify quantity information
Comments:
Notes: 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

	Ref. Des.	Data Element	Name	Attributes	
M	QTY01	673	**Quantity Qualifier**	M	ID 2/2
			Code specifying the type of quantity		
			QD Quantity Delivered		
M/U	QTY02	380	**Quantity**	X	R 1/15
			Numeric value of quantity		
O	QTY03	C001	**Composite Unit of Measure**	O	
			To identify a composite unit of measure (See Figures Appendix for examples of use)		
			SJG meters measure in HH.		
M	C00101	355	**Unit or Basis for Measurement Code**	M	ID 2/2
			Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken		
			HH Hundred Cubic Feet		
			TD Therms		

Segment:	**MEA** Measurements (Meter Readings)
Position:	160
Loop:	QTY Optional
Level:	Detail
Usage:	Optional
Max Use:	40
Purpose:	To specify physical measurements or counts, including dimensions, tolerances, variances, and weights (See Figures Appendix for example of use of C001)
Comments:	1 When citing dimensional tolerances, any measurement requiring a sign (+ or -), or any measurement where a positive (+) value cannot be assumed, use MEA05 as the negative (-) value and MEA06 as the positive (+) value.
Notes:	Notes: Used by SJG only. The MEA segment is sent for each QTY loop. The MEA will indicate the "time of use" that applies to the QTY. If meter readings are included in the MEA, they will indicate the "time of use" that the meter readings apply to. Example: MEA*AA*PRQ**HH*4880*4894*51

Data Element Summary

Ref. Des.	Data Element	Name	Attributes
MEA01	737	**Measurement Reference ID Code**	O ID 2/2

Code identifying the broad category to which a measurement applies

AA	Meter reading-beginning actual/ending actual
AE	Meter reading-beginning actual/ending estimated
AF	Actual Total
BO	Meter Reading as Billed
	Used when billing charges are based on contractual agreements or pre-established usage and not on actual usage
EA	Meter reading-beginning estimated/ending actual
EE	Meter reading-beginning estimated/ending estimated

Ref. Des.	Data Element	Name	Attributes
MEA02	738	**Measurement Qualifier**	O ID 1/3

Code identifying a specific product or process characteristic to which a measurement applies

PRQ	Product Reportable Quantity

Ref. Des.	Data Element	Name	Attributes
MEA03	739	**Measurement Value**	X R 1/20

The value of the measurement

Represents quantity of consumption delivered for service period. Contains the difference in the meter readings (or as measured by the meter) multiplied by various factors, excluding Power Factor.

Ref. Des.	Data Element	Name	Attributes
MEA04	C001	**Composite Unit of Measure**	X

To identify a composite unit of measure (See Figures Appendix for examples of use)

Ref. Des.	Data Element	Name	Attributes
C00101	355	**Unit or Basis for Measurement Code**	M ID 2/2

Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken

HH	Hundred Cubic Feet
TD	Therms

Ref. Des.	Data Element	Name	Attributes
MEA05	740	**Range Minimum**	X R 1/20

The value specifying the minimum of the measurement range

Beginning reading

Required for Residential. If the meter provides beginning and ending reads for on and off peak usage, then you must provide beginning and ending reads and consumption. If the meter does not provide beg/ending reads, you only provide consumption.

MEA06　　**741**　　**Range Maximum**　　　　　　　　　　　　　　　　**X**　　**R 1/20**

The value specifying the maximum of the measurement range

Ending reading or single reading (e.g., Hundred Cubic Feet).

Required for Residential. If the meter provides beginning and ending reads for on and off peak usage, then you must provide beginning and ending reads and consumption. If the meter does not provide beg/ending reads, you only provide consumption.

MEA07　　**935**　　**Measurement Significance Code**　　　　　　　　**O**　　**ID 2/2**

Code used to benchmark, qualify or further define a measurement value

41	Off Peak
42	On Peak
43	Intermediate
51	Total
66	Shoulder

Segment: **MEA** Measurements (CF = Conversion Factor)
Position: 160
Loop: QTY   Optional
Level: Detail
Usage: Optional
Max Use: 40
Purpose: To specify physical measurements or counts, including dimensions, tolerances, variances, and weights (See Figures Appendix for example of use of C001)
Comments: 1   When citing dimensional tolerances, any measurement requiring a sign (+ or -), or any measurement where a positive (+) value cannot be assumed, use MEA05 as the negative (-) value and MEA06 as the positive (+) value.
Notes: NJ Use: The power factor field is used for gas to send the BTU conversion factor. This will allow a supplier to convert the CCF meter reading data to therms for billing. South Jersey Gas will send therm factor in this segment (Billed therms = ccf * Conversion Factor).

Note that Measurement Qualifier is sent in MEA01 not MEA02
Example: MEA*CF**1.025

Data Element Summary

Ref. Des.	Data Element	Name	Attributes
MEA01	737	**Measurement Reference ID Code**	O ID 2/2
		Code identifying the broad category to which a measurement applies	
		CF Conversion Factor	
		Conversion Factor - Relationship between CCFs and BTU.	
MEA03	739	**Measurement Value**	X R 1/20
		The value of the measurement	
		Represents the BTU conversion factor when MEA02 equals "CF". When no Power Factor is present, do not send this MEA segment.	

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
Comments:
Notes: NJ Use: Required if providing Historical Usage by Meter; otherwise, not used.
Example: DTM*150*20121117

Data Element Summary

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

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
Comments:
Notes: NJ Use: Required if providing Historical Usage by Meter; otherwise, not used.
Example: DTM*151*20121217

Data Element Summary

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

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		
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

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

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
Comments:
Notes: NJ Use: Optional, PSEG will provide
Example: REF*BF*18

Data Element Summary

	Ref. Des.	Data Element	Name	Attributes	
M	REF01	128	**Reference Identification Qualifier**	M	**ID 2/3**
			Code qualifying the Reference Identification		
			BF GDC Billing Cycle		
M/U	REF02	127	**Reference Identification**	X	**AN 1/30**
			Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier		

Segment: **QTY** Quantity (MA = DCQ Quantity Delivered)
Position: 110
Loop: QTY Optional
Level: Detail
Usage: Optional
Max Use: 1
Purpose: To specify quantity information
Comments:
Notes: 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

Ref. Des.	Data Element	Name	Attributes		
QTY01	673	**Quantity Qualifier**	M	ID	2/2
		Code specifying the type of quantity			
		MA Miscellaneous Allowance			
QTY02	380	**Quantity**	X	R	1/15
		Numeric value of quantity			
QTY03	C001	**Composite Unit of Measure**	O		
		To identify a composite unit of measure (See Figures Appendix for examples of use)			
C00101	355	**Unit or Basis for Measurement Code**	M	ID	2/2
		Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken			
		TD Therms			

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
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

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

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
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

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

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)	
Comments:	**1** SE is the last segment of each transaction set.	
Notes:	NJ Use: Required	
	Example: SE*23*000000001	

Data Element Summary

Ref. Des.	Data Element	Name	Attributes
SE01	**96**	**Number of Included Segments**	**M N0 1/10**
		Total number of segments included in a transaction set including ST and SE segments	
SE02	**329**	**Transaction Set Control Number**	**M AN 4/9**
		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,** *Product Transfer* Transaction Set Control Number: **0000000001,** *Identifying Control Number*
BPT*52*056711344-0000581869*20130103*DD	Transaction Set Purpose Code: **52**, *Response to Historical Inquiry* Reference Identification: **056711344-0000581869** Transaction Date: **20130103**, *Transaction Create Date* Report Type Code: **DD**, *Usage*
N1*8S*ELIZABETHTOWN GAS*1*123456789	Entity Identifier Code: **8S**, *Consumer Service Provider* Name: **Elizabethtown Gas**, *GDC Name* Identification Code Qualifier: **1**, *DUNS Number Dun & Bradstreet* Identification Code: **123456789**, *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*11*8645835	Reference Identification Qualifier: **11**, *ESP*, **Not Provided by ETG** Reference Identification: **8645835,** *ESP Account No*, **Not Provided by ETG**
REF*12*1234567890	Reference Identification Qualifier: **12**, *Billing Account* Reference Identification: **1234567890,** *GDC Account Number*
REF*45*451105687500	Reference Identification Qualifier: **45**, *Old Account Number*, **Not Provided by ETG** Reference Identification: **451105687500**, *Old GDC Account Number*, **Not Provided by ETG**

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*KA*81.1*TD	Quantity Qualifier: **KA** Quantity: **81.1** Unit or Basis for Measurement Code: **TD**, *Therms*
DTM*150*20121201	Date/Time Qualifier: **150**, *Service Period Start* Date: **20121201**

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

Segment Contents	Element Description
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** *(Flowing Gas Information)* Reference Identification Qualifier: **07**, *Product* Reference Identification: **GAS**
REF*BF*16	Reference Identification Qualifier: **BF,** *Billing Cycle* Reference Identification: **16**, *GDS Billing Cycle*

Summary:

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

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,** *Product Transfer Transaction Set Control Number: 0000000001, Identifying Control Number*
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 Nam**e, 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

Segment Contents	Element Description
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,** *No. Of Included Segments* Transaction Set Control Number: **115855877,** *Identifying Control Number*

SOUTH JERSEY GAS 867 HU Example

Historical Usage

Meter Detail (PM Loop)

Heading:

Segment Contents	Element Description
ST*867*017449412	Transaction Set Identifier Code: **867,** *Product Transfer Transaction Set Control Number: 902626128, Identifying Control Number*
BPT*52*SJG.2013-12-09.10.19.45.254541*20131209*DD*****4750564410169455512379601507443	Transaction Set Purpose Code: **52**, Response to Historical Inquiry Reference Identification: **SJG.2013-12-09.10.19.45.254541** Transaction Date: **20130208**, Transaction Create Date Report Type Code: **DD**, Usage Original Reference Identification: **4750564410169455512379601507443**
N1*8S*SOUTH JERSEY GAS*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 Nam**e, ESP Name Identification Code Qualifier: **1**, DUNS Number Dun & Bradstreet Identification Code: **012345678**, DUNS Number
N1*8R*CUSTOMER TWO	Entity Identifier Code: **8R**, End Use Customer Name: **CUSTOMER TWO**, Customer Name
REF*12*2222222222	Reference Identification Qualifier: **12**, Billing Account Reference Identification: **2222222222**, 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*0281253	Reference Identification Qualifier, **MG**, Meter Number Reference Identification, **0281253**, Meter Number
REF*NH*RSG	Reference Identification Qualifier, **NH**, GDC Rate Class Reference Identification, **RSG**, GDC Rate Class
QTY*QD*12*HH	Quantity Qualifier: **QD,** Quantity Delivered Quantity: **12** Unit or Basis for Measurement Code: **HH**, Hundred Cubic Feet
MEA*AA*PRQ**HH*4868*4880*51	Measurement Reference Code: **AA**, Meter Reading Beginning/Ending Actual Measurement Qualifier: **PRQ**, Consumption

	Measurement Code: **HH** Range Minimum: **7868**, Beginning Reading Range Maximum: **4880**, Ending Reading Measurement Significant Code: **51**, Total
MEA*CF**1.061	Measurement Qualifier: **CF**, Conversion Factor Measurement Value: **1.061**
DTM*150*20130730	Date/Time Qualifier: **150**, Service Period Start Date: **20130730**
DTM*151*20130828	Date/Time Qualifier: **151**, Service Period End Date: **20130828**
QTY*QD*14*HH	
MEA*AA*PRQ**HH*4880*4894*51	
MEA*CF**1.04	
DTM*150*20130828	
DTM*151*20130928	
QTY*QD*42*HH	
MEA*EE*PRQ**HH*4894*4936*51	
MEA*CF**1.036	
DTM*150*20130928	
DTM*151*20131030	
QTY*QD*74*HH	
MEA*AA*PRQ**HH*4936*5010*51	
MEA*CF**1.041	
DTM*150*20131030	
DTM*151*20131128	
QTY*QD*100*HH	
MEA*AA*PRQ**HH*5010*5110*51	
MEA*CF**1.041	
DTM*150*20131128	
DTM*151*20131228	
QTY*QD*137*HH	

MEA*AA*PRQ**HH*5110*5247*51	
MEA*CF**1.042	
DTM*150*20131228	
DTM*151*20140128	
QTY*QD*133*HH	
MEA*AA*PRQ**HH*5247*5380*51	
MEA*CF**1.04	
DTM*150*20140128	
DTM*151*20140226	
QTY*QD*117*HH	
MEA*AA*PRQ**HH*5380*5497*51	
MEA*CF**1.042	
DTM*150*20140226	
DTM*151*20140328	
QTY*QD*57*HH	
MEA*AA*PRQ**HH*5497*5554*51	
MEA*CF**1.041	
DTM*150*20140328	
DTM*151*20140429	
QTY*QD*27*HH	
MEA*AA*PRQ**HH*5554*5581*51	
MEA*CF**1.045	
DTM*150*20140429	
DTM*151*20140529	
QTY*QD*17*HH	
MEA*AA*PRQ**HH*5581*5598*51	

MEA*CF**1.048	
DTM*150*20140529	
DTM*151*20140627	
QTY*QD*12*HH	
MEA*AA*PRQ**HH*5598*5610*51	
MEA*CF**1.063	
DTM*150*20140627	
DTM*151*20140730	
PTD*PM***07*GAS	
REF*JH*A	
REF*MG*0281253	
REF*NH*RSG	
QTY*QD*12*HH	
MEA*AA*PRQ**HH*4868*4880*51	
MEA*CF**1.061	
DTM*150*20130730	
DTM*151*20130828	
QTY*QD*14*HH	
MEA*AA*PRQ**HH*4880*4894*51	
MEA*CF**1.04	

Summary:

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

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 Nam**e, 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*14348856703811307010 2612VIR*20130311*DD	Transaction Set Purpose Code: **52**, Response to Historical Inquiry Reference Identification: **22001442426911307110 2637XOM** 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

Segment Contents	Element Description
N1*SJ*ESP COMPANY*1*101386142	Entity Identifier Code: SJ, Service Provider Name: **ESP Company Nam**e, 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 Nam**e, 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

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 Nam**e, 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	

Segment Contents	
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
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	

Segment Contents	Element Description
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: 0**0810919**
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**