New Jersey

Gas Implementation Guideline

For

Electronic Data Interchange

TRANSACTION SET

810

LDC Consolidated Bill
Ver/Rel 004010

Table of Contents

Summary of Changes

March 29, 2000 **Version 1.0**	Initial Release.

July 3,200
Version 1.1

Modified

       Notes section
       NJ Notes section
       X12 Structure
       Notes on BIG segment
       Notes on SAC segments
       Notes on DTM segments
Added REF*OI – Canceled 810 transaction reference number
Changed REF*11 to optional – ESP's customer account number
Deleted REF*45 - GDC's previous customer account number
Added REF
       DQ - Highest Month Average Daily (HMAD)- added for New Jersey
       SJ - Maximum Daily Quantity (MDQ)- added for New Jersey Natural Gas
Deleted Unmetered IT1 loop
Updated all Electric Units of Measurement to Gas Units of Measurements
Updated examples

May 31,2001
Version 1.2

Added Table of a Contents
Added Data Dictionary
Removed Rate Ready example for Unmetered loop since not valid in NJ
Remove "ELECTRIC" from IT107

June 22, 2001
Version 1.3

Removed Rate and Unmetered notes in under Bill Ready category in the Notes section.
Corrected Billing Information note
Corrected notes "Cancellations" and "Minimum requirements" in Notes section.
Corrected spelling error in SAC15 note.
Corrected Use Note on Segment REF*11 (ESP Account Number)

August 8, 2001
Version 1.4

For PSE&G CAS
- Updates NJ Notes section
- Added PID loop note in Data Dictionary
- Updated NJ Use note on segment BAL*P*YB
- Updated NJ Use note on segment BAL*M*J9
- Added segment PID in IT1 Account Loop

November 7, 2001
Version 1.5

Added South Jersey Gas Example

March 8, 2002
Version 1.6

Added Elizabethtown notes to Notes sections:
    o "Cancellations"
    o "Bill Ready – LDC Consolidated Billing - Supplier Switch"
    o " Bill Ready - Missed Window:"

February 23, 2012
Version 1.7

For SJG:
- Updated Notes section to indicate SJG supports LDC Rate Ready and remove references to SJG under LDC Bill Ready
- Update BIG segment Notes to remove reference to SJG
- Updated DTM150 and DTM151 segment Notes to remove reference to SJG
- Updated SAC04 to remove reference to SJG
- Updated SAC15 SJG to remove "Specifications need to be developed"
- Updated IT1 loop note to remove reference to SJG indicating Rate loop invalid
- Removed Bill Ready example

April 16, 2012 Version 1.8	For PSE&G

For PSE&G
- New Jersey Notes – Bill Ready – Missed Window: changed LAST 810 received to FIRST 810 received.
- Updated DTM 150 and DTM 151 segment Notes from PSE&G will NOT validate this field to PSE&G will validate this field.
- PSE&G Bill – Ready Example – changed 10 digit LDC account number to 20 character alpha numeric PODid number
- PSE&G Bill – Ready Example – updated PSE&G gas DUNS number from 006973812 to 006973812GASP

April 23, 2012 Version 1.9

For Elizabethtown Gas Co
- o 810 LDC Consolidated Billing
  - ▪ ETG has currently not developed a LDC consolidated billing capability

October 4, 2012

Updated SAC09 value to be TD, consistent with 867 QTY03. Per Change Control submitted 7/3/12. Change effective 10/15/2012.

April 8, 2013

Revised Version
- o Updated Notes to indicate ETG will be supporting consolidated billing by end of 2013

Notes

LDC 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.
General Notes	This document is used to define the requirements of the LDC Consolidated Bills which can be used for two purposes: • Sent by LDC to ESP – Used when the LDC calculates the ESP charges, based on the rates provided by the ESP to the LDC. This is referred to as Rate Ready billing. • Sent by ESP to LDC – Used when the ESP calculates their own charges and the charges print on an LDC consolidated bill. This is referred to as Bill Ready billing. **Note**: ESP Consolidated Bills will be defined in a separate 810 Implementation Guide.
IT1 Loop	The IT1 is used to indicate whether the charge/tax is at a rate level, account level, or unmetered level. In New Jersey for Bill Ready, charges will always be sent at the account level. **IT109 = "ACCOUNT"** for billing information that pertains to the entire account. • Account Loop may contain all charges and taxes for the customer's account, e.g., Customer Account Charge, Meter Charge, State Sales Tax, County Tax and generation charges. • Account Loop may be used in Rate Ready LDC Consolidated Billing and may contain just account level charges and all taxes, e.g. Customer Account Charge, Meter Charge, State Sales Tax and County Tax, with generation charges itemized in the Rate Loop (IT109=RATE) and/or Unmetered Loop (IT109=UNMET). • Account Loop is used in Bill Ready LDC Consolidated Billing and will all account charges and including all generation charges. • Bill Ready and Rate Ready data examples at the end of this guide illustrate how to use the Account loop. **IT109 = "RATE"** when billing information is being provided at a Rate level. • Rate Loop may be used for Rate Ready LDC Consolidated Billing
Rate Ready – Single IT1 Loop	• Companies doing Rate Ready billing using only a single IT1 ACCOUNT Loop will not be required to provide the ESP Rate Code (REF*RB) since that code is provided in the RATE level.
Bill Ready – Sequencing Numbers	• Print sequencing numbers must be unique and sequential within each 810. If print sequencing numbers are not unique and sequential, the billing party will determine the order on the bill (i.e., the 810 will not be rejected because the sequencing numbers are not unique). Not used by PSE&G
Budget Billing: Rate Ready Consolidated Billing	• The <u>Actual</u> charges will be coded with their appropriate code ("A" = Allowance, "C" = Charge, or "N" = No Allowance or Charge) in the SAC01. SAC02 will be set to F950. SAC04 will be set to the appropriate value. The actual charge will be in SAC05. • The <u>Budget</u> Amount information will be SAC02 = H151, SAC01 = N, SAC04 = BUD001. The actual charge will be in SAC05.
Late Payment Charges: Rate Ready	• Late payment charges that the utility applies to the supplier charges must be sent on an 810 transaction. Inclusion of the charges on an 810 indicate an actual assessment of the late payment charges for the previous billing period indicating the customer did not pay the ESP charges in full by the previous billing period due date.
Cancellation Scenarios: Rate Ready	• The prior 810 will be sent (you must cancel by billing period), however, it is not necessary to include the BAL segments in Rate Ready LDC Consolidated Billing scenario. • The values will be identical in sign to what they were on the original bill. The way to indicate the bill is being reversed is through the use of the BIG08 field - value "01". • If the LDC does an off-cycle cancel, the 810 cancellation must be sent before the rebill. • The rebill will always be coded as an original (BIG08 - "00")

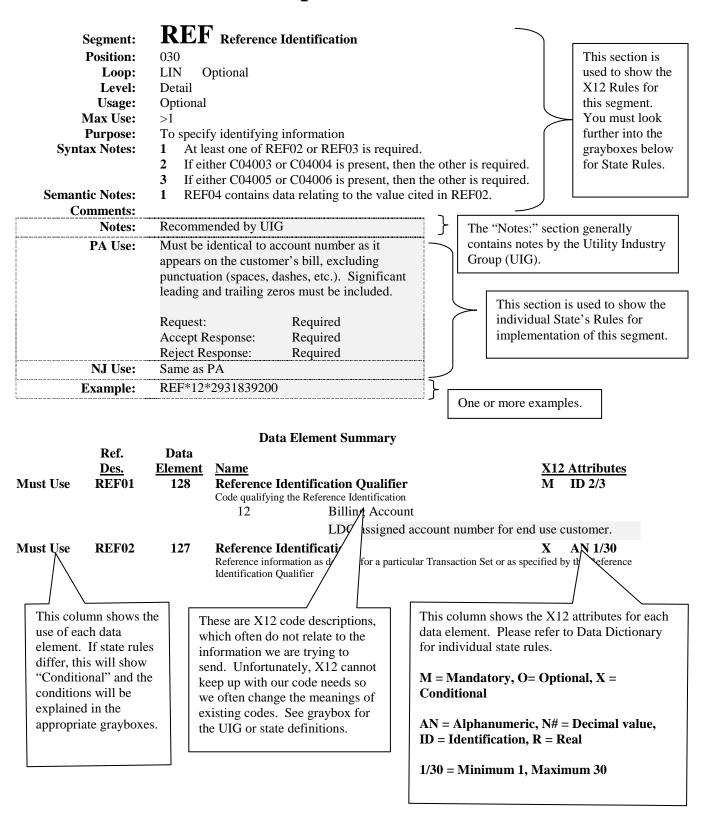|	
Cancellation Scenarios: Bill Ready – Directly Related to Usage	Depending on whether a GDC is maintaining the suppliers' balance, cancellation scenarios may not be necessary. **LDC Consolidated with LDC Meter Read:** 1. The 867 cancellation from the LDC will inform the ESP that the billing (810) and usage (867) information is cancelled. 1. The 810 cancellation from the ESP to the LDC is optional Day 1. The issue of whether an LDC will process this information will be revisited at a later date. **Bill Ready Scenarios – ESP Cancels 810 Not Related to Usage** These scenarios differ by utility and are documented within the state sections.

New Jersey Notes

Billing Information:	• PSE&G - Supports Bill Ready. • New Jersey Natural Gas – Supports Rate Ready. • South Jersey Gas – Supports Rate Ready. • Elizabethtown Gas will support LDC Consolidated Billing by end of 2013.
Calculating Previous Unpaid Balance	• For Rate Ready, the billing party has the responsibility of calculating the previous unpaid balance. • For Bill Ready, each utility determined whether they would be maintaining the previous unpaid balance. 　• PSE&G is making the TPS whole and thus will maintain the supplier previous unpaid balance as part of PSE&G's unpaid balance.
Processing Bill Ready Data	PSE&G presents supplier charges on its bill that are included within the first 810 processed by PSE&G, that was received within the bill window.
Cancellations due to usage:	LDC Consolidated with LDC Meter Read: **PSE&G** The 867 will automatically cancel the ESP's 810 charges. The ESP should not send a cancel 810.
Cancellations not directly related to usage:	**PSE&G** Supplier must determine what value to place in next 810. PSE&G will ignore an 810 cancel.
Bill Ready – LDC Consolidated Billing - Supplier Switch	The following outlines the rules each Bill Ready Utility has when there is a supplier switch and the previous ESP misses the billing window. • PSE&G – The supplier will be responsible for collection of any outstanding funds due from the customer. If supplier misses bill window on a switch, PSE&G will NOT print original supplier charges on the next bill.
Bill Ready - Missed Window:	Each utility has distinct rules on how a missed bill window will be handled: • PSE&G – will NOT hold charges. The suppliers next month's 810 should include charges for any missed bill windows. PSE&G will only use the LAST 810 received in the Bill Window for charges.
Minimum requirements:	Each LDC may allow different fields to be passed. The minimum fields that must be on a New Jersey bill are: PSEG will use the following segments for Bill presentation: Adjustment - SAC05 where SAC04=ADJ000, IT1 loop=ACCOUNT (optional) adjustments must not include payments. Current Charge - SAC05 where SAC04=GEN004, IT1 loop=ACCOUNT (must send) Only one Current Charge per 810 is expected. 　If additional Current Charges are sent the last Current Charge received in the 810 will be processed. 　• Total Charge - BAL*M*YB (must send) Total Charge Due must equal the sum of Adjustment and Current Charge. Note: PSE&G will print any PID records up to 60 chars. in length and up to 50 PID loops. PSE&G will ignore any SAC record with SAC04=ADJ002 and also ignores the SAC15. If an ESP is certified for LDC Consolidated Billing, PSE&G will print the following seven items on the PSE&G Bill. 1. ESP Name 2. ESP phone number 3. ESP Logo (if ESP is certified for printing Logo) 4. Current Charge 5. Adjustment

	6. Total charge (must equal the sum of Adjustment and Current Charge) 7. One Rolling Page containing up to 50 lines of text each containing up to 60 characters Note: Items 1-3 above are not sent via EDI810 but are provided earlier.
ESP Price on Residential Customer Bill (Bill Ready)	New Jersey regulations require the ESP's price for the energy charge be printed on the LDC's consolidated customer invoice for residential customers (C&I optional). To meet this requirement, the following applies to the bill ready LDCs: • PSE&G – the ESP must send the charge description in the PID segment to include the price (rate) of the energy charge. PSE&G does not support the use of the SAC15. Any information sent in the SAC15 will not be printed on the customer's consolidated invoice. Example charge description: ENERGY CHARGE-60KWH@0.099833 PER KWH
Budget Billing	Budget Billing for the supplier portion of the bill is not provided on a Utility Consolidated Bill.

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

	Ref. Des.	Data Element	Name	X12 Attributes
Must Use	REF01	128	**Reference Identification Qualifier** Code qualifying the Reference Identification	M ID 2/3
			12 Billing Account LDC assigned account number for end use customer.	
Must Use	REF02	127	**Reference Identification** Reference information as defined 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 810 LDC Consolidated Bill

Appl Field	Field Name	Description	EDI Segment	Related EDI Qualifier	Data Type
		HEADER LEVEL BILL INFORMATION			
1.	Bill Date	Date Bill was issued. For Bill Ready Scenarios, this will be the date the bill was created. For Rate Ready Scenarios, this will be the date the bill was issued.	BIG01		9(8)
2.	Bill Number	Unique Number identifying this Bill	BIG02		X(22)
3.	Cross Reference Number	The cross reference number originally transmitted in the 867 in the BPT02.	BIG05		X(30)
4.	Bill Action Code	"FE" - Memorandum, Final Bill Customer account has finaled with the LDC. "ME" - Memorandum	BIG07		X(2)
5.	Bill Purpose	"00" - Original "01" - Cancellation - Cancels an entire Bill "07" - Duplicate - For change of due date only.	BIG08		X(2)
6.	Original Bill Number	The Bill Number (BIG02) from the Original 810 when sending a cancellation Bill.	REF02	BIG08=01 or 17 REF01 = "OI"	X(30)
7.	ESP Account Number	Customer Account Number assigned by ESP	REF02	REF01 = "11"	X(30)
8.	LDC Account Number	LDC Customer Account Number	REF02	REF01 = "12"	X(30)
9.	Billing Cycle	Cycle on which the bill will be rendered. Cycle associated with account.	REF02	REF01 = "BF"	X(2)
10.	Billing Type	Indicates the party that delivers the bill to the end use customer - LDC consolidated Billing (REF02="LDC")	REF02	REF01 = "BLT"	X(3)
11.	Billing Calculation Method	Indicates party to calculate bill. - LDC calculates bill (REF02 = "LDC") - Each calculates their own portion (REF02 ="DUAL")	REF02	REF01 = "PC"	X(4)
12.	LDC Name	LDC's Name	N102	N101 = "8S"	X(60)
13.	LDC Duns	LDC's DUNS Number or DUNS+4 Number	N104	N101 = "8S"	X(13)

14.	ESP Name	ESP's Name	N102	N101 = "SJ"	X(60)
15.	ESP Duns	ESP's DUNS Number or DUNS+4 Number	N104	N101 = "SJ"	X(13)
16.	Customer Name	Customer Name	N102	N101 = "8R"	X(35) Note: X(60) for MD
17.	Store Number	Number assigned by and meaningful to the customer.	N104	N101 = "8R" N103 = "92"	X(20)
18.	Due Date	Payment Due Date for Rate Ready only	ITD06		9(8)
19.	Balance as a Result of Last Billing	Balance of previous period charges prior to applying payments and adjustments for the previous period billing.	BAL03	BAL01 = "P" BAL02 = "YB"	-9(13).99 Explicit Decimal
20.	Balance Prior to Current Billing	This is the balance prior to this billing. If a customer is paid in total, this will be zero.	BAL03	BAL01 = "M" BAL02 = "J9"	-9(13).99 Explicit Decimal
21.	Current Balance	Customer total outstanding balance (previous balance plus current charges)	BAL03	BAL01 = "M" BAL02 = "YB"	-9(13).99 Explicit Decimal
ACCOUNT Level IT1 Loop (Used for Charges that are summarized by Account)					
22.	Line Item Number	Sequential Line Item Counter	IT101		9(20)
23.	Service	Indicates type of service. Will always reflect GAS	IT107	IT106 = "SV"	X(8)
24.	Category of Charge	ACCOUNT - Indicates charges are summarized at an Account level.	IT109	IT108 = "C3"	X(7)
25.	Tax Type	Account Level Taxes - Please see EDI Guideline for valid values.	TXI01		X(2)
PID LOOP within the ACCOUNT Level IT1 Loop (The PID loop may be repeated up to 50 time for PSE&G)					
26.	PID Description	Text description for charges or as supporting text	PID05	PID01 = **F** PID03= **EU**	X(80)
27.	PID Description Type	Indicates relative print location on bill R1 – Text Supporting Current Charges R2 – Additional Supporting Text	PID06		X(2)
28.	PID Sequence Number	Determines relative placement of text on bill	PID07		9(2)
END of PID LOOP					
29.	Service Period Start	Service Period Starting Date	DTM02	DTM01 = "150"	X(8)
30.	Service Period End	Service Period Ending Date	DTM02	DTM01 = "151"	X(8)
31.	Subline Counter	Sequential Charge Line Item Counter. This segment is used for ANSI purposes and has no relevance in the application system.	SLN01	SLN03 = "A"	9(20)

32.	Allowance or Charge Indicator	"A" - Allowance (Credit to the customer) "C" - Charge "N" - No Charge or Allowance; should be printed but ignored when summing the total	SAC01 Detail Position 230		X(1)
33.	Charge Calculation Determinant	Used to differentiate Rate Ready vs. Bill Ready and Actual Charges vs. Budget Billed. Please see EDI guideline for valid codes.	SAC02		X(4)
34.	Energy Charge Category	Code indicating the type of charge (See segment for Valid Values)	SAC04	SAC03="EU"	X(10)
35.	Charge or Allowance Amount	Dollar amount (credit or debit) for the charge. If dollar amount is negative, the leading negative sign will be sent. If the dollar amount is positive, no leading sign is sent.	SAC05		-9(13)V99 Implied Decimal
36.	Price Per Unit	ESP/LDC price per unit associated with the charge	SAC08		-9(5).9(6) Max 9 digits
37.	Unit of Measure	Unit of measure of above consumption See EDI Guide for valid codes.	SAC09		X(2)
38.	Quantity	Consumption or other "unit" for the charge.	SAC10		9(8).9(4)
39.	Print Sequencing Number	Determines placement of line items on bill	SAC13		9(2)
40.	Charge Description	Bill Ready: Text description for line item charge that will print on the customer's bill. Rate Ready: Text description of the line item charge (refer to SAC04).	SAC15		X(80)
RATE Level IT1 Loop (Used for charges that are summarized by Rate)					
41.	Line Item Number	Sequential Line Item Counter	IT101		9(20)
42.	Service	Indicates type of service. Will always reflect GAS	IT107	IT106 = "SV"	X(8)
43.	Category of Charge	RATE - Indicates charges are summarized at a Rate level.	IT109	IT108 = "C3"	X(5)
44.	Highest Month Average Daily (HMAD)	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	REF01 = DQ	9(15).99
45.	ESP Rate Code	ESP Rate Code	REF02	REF01 = "RB"	X(30)

46.	Maximum Daily Quantity (MDQ)	Maximum Daily Quantity (MDQ)- This is on the calculated 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 NJESP Tariff.	REF02	REF01 = SJ	9(15).99
47.	Service Period Start	Service Period Starting Date	DTM02	DTM01 = "150"	X(8)
48.	Service Period End	Service Period Ending Date	DTM02	DTM01 = "151"	X(8)
49.	Subline Counter	Sequential Charge Line Item Counter. This segment is used for ANSI purposes and has no relevance in the application system.	SLN01	SLN03 = "A"	9(20)
50.	Allowance or Charge Indicator	"A" - Allowance (Credit to the customer) "C" - Charge "N" - No Charge or Allowance; should be printed but ignored when summing the total	SAC01 Detail Position 230		X(1)
51.	Charge Calculation Determinant	Used to differentiate Rate Ready vs. Bill Ready and Actual Charges vs. Budget Billed. Please see EDI guideline for valid codes.	SAC02		X(4)
52.	Energy Charge Category	Code indicating the type of charge (See segment for Valid Values)	SAC04	SAC03="EU"	X(10)
53.	Charge or Allowance Amount	Dollar amount (credit or debit) for the charge. If dollar amount is negative, the leading negative sign will be sent. If the dollar amount is positive, no leading sign is sent.	SAC05		-9(13)V99 Implied Decimal
54.	Price Per Unit	ESP/LDC price per unit associated with the charge	SAC08		-9(5).9(6) Max 9 digits
55.	Unit of Measure	Unit of measure of above consumption. See EDI Guide for valid codes.	SAC09		X(2)
56.	Quantity	Consumption or other "unit" for the charge. Not a total consumption.	SAC10		9(8).9(4)
57.	Print Sequencing Number	Determines placement of line items on bill	SAC13		9(2)
58.	Charge Description	Bill Ready: Text description for line item charge that will print on the customer's bill. Rate Ready: Text description of the line item charge (refer to SAC04).	SAC15		X(80)

SUMMARY SECTION					
59.	Actual Current Total	Total Bill Amount for non-billing party's portion of bill. This does not include arrearages. Even though this segment does not appear at the end of the transaction, it is expected to include all amounts, including those that follow.	TDS01		-9(13)V99 Implied Decimal
60.	Number of IT1 segments	Number of IT1 segments	CTT01		9(6)

810 Invoice

Functional Group ID=IN

Introduction:

This Draft Standard for Trial Use contains the format and establishes the data contents of the Invoice Transaction Set (810) for use within the context of an Electronic Data Interchange (EDI) environment. The transaction set can be used to provide for customary and established business and industry practice relative to the billing for goods and services provided.

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	BIG	Beginning Segment for Invoice	M	M	1		
050	REF	Reference Identification (OI = Original Invoice Number)	O	Used	12		
050	REF	Reference Identification (11 = ESP Account Number)	O	Used	12		
050	REF	Reference Identification (12 = GDC Account Number)	O	Used	12		
050	REF	Reference Identification (BF = Billing Cycle)	O	Used	12		
050	REF	Reference Identification (BLT = Billing Type)	O	Used	12		
050	REF	Reference Identification (PC = Calculates Charges)	O	Used	12		
		LOOP ID - N1				200	
070	N1	Name (8S = GDC Name)	O	Used	1		
		LOOP ID - N1				200	
070	N1	Name (SJ = ESP Name)	O	Used	1		
		LOOP ID - N1				200	
070	N1	Name (8R = Customer Name)	O	Used	1		
130	ITD	Terms of Sale/Deferred Terms of Sale	O	Used	>1		
212	BAL	Balance Detail (P*YB = Previous Balance)	O	Used	>1		
212	BAL	Balance Detail (M*J9 = Balance prior to billing)	O	Used	>1		
212	BAL	Balance Detail (M*YB = Balance after billing)	O	Used	>1		

Detail:

Pos. No.	Seg. ID	Name	Attributes Guide	User Status	Max.Use	Loop Repeat	Notes and Comments
		LOOP ID - IT1				200000	
010	IT1	Baseline Item Data (Invoice)	O	Used	1		
		LOOP ID - PID				1000	
060	PID	Product/Item Description	O	Used	1		
150	DTM	Date/Time Reference (150 = Service Period Start)	O	Used	10		
150	DTM	Date/Time Reference (151 = Service Period	O	Used	10		

		End)				
		LOOP ID - SLN			1000	
200	SLN	Subline Item Detail	O	Used	1	
230	SAC	Service, Promotion, Allowance, or Charge Information	O	Used	25	
		LOOP ID - IT1			200000	
010	IT1	Baseline Item Data (Invoice) (Rate Level Loop)	O	Used	1	
120	REF	Reference Identification (DQ = Highest Monthly Average Daily (HMAD))	O	Used	>1	
120	REF	Reference Identification (RB = ESP Rate Code for the Customer)	O	Used	>1	
120	REF	Reference Identification (SJ = Maximum Daily Quantity (MDQ))	O	Used	>1	
150	DTM	Date/Time Reference (150 = Service Period Start)	O	Used	10	
150	DTM	Date/Time Reference (151 = Service Period End)	O	Used	10	
		LOOP ID - SLN			1000	
200	SLN	Subline Item Detail	O	Used	1	
230	SAC	Service, Promotion, Allowance, or Charge Information	O	Used	25	

Summary:

Pos. No.	Seg. ID	Name	Attributes Guide	User Status	Max.Use	Loop Repeat	Notes and Comments
010	TDS	Total Monetary Value Summary	M	M	1		
070	CTT	Transaction Totals	O	Used	1		n1
080	SE	Transaction Set Trailer	M	M	1		

Transaction Set Notes

1. Number of line items (CTT01) is the accumulation of the number of IT1 segments. If used, hash total (CTT02) is the sum of the value of quantities invoiced (IT102) for each IT1 segment.

Segment: $\quad$ **ST** Transaction Set Header
Position: $\quad$ 010
Loop:
Level: $\quad$ Heading
Usage: $\quad$ Mandatory
Max Use: $\quad$ 1
Purpose: $\quad$ To indicate the start of a transaction set and to assign a control number
Syntax Notes:
Semantic Notes: $\quad$ **1** $\quad$ 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: $\quad$ Variable Name: STST
Notes: $\quad$ NJ Use: $\quad$ Required
$\qquad$ Example: $\qquad$ ST*810*000000001

Data Element Summary

Ref. Des.	Data Element	Name	Base Attributes		User Attributes
ST01	**143**	**Transaction Set Identifier Code**	**M**	**ID 3/3**	**M**
		Code uniquely identifying a Transaction Set			
		$\quad$ 810 $\qquad$ Invoice			
ST02	**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			

Segment:	**BIG** Beginning Segment for Invoice	
Position:	020	
Loop:		
Level:	Heading	
Usage:	Mandatory	
Max Use:	1	
Purpose:	To indicate the beginning of an invoice transaction set and transmit identifying numbers and dates	
Syntax Notes:		
Semantic Notes:	**1** BIG01 is the invoice issue date.	
	2 BIG03 is the date assigned by the purchaser to purchase order.	
	3 BIG10 indicates the consolidated invoice number. When BIG07 contains code CI, BIG10 is not used.	
Comments:	**1** BIG07 is used only to further define the type of invoice when needed.	
Notes:	NJ Use: Required	
	Note:	
	PSE&G will only process transactions with BIG08="00"	
	PSE&G will reject with transaction 824 if BIG05 not provided	
	Example: BIG*20120201*20120201123500001***2048392934504**ME*00	

Data Element Summary

Ref. Des.	Data Element	Name	Base Attributes		User Attributes
BIG01	373	**Date**	M	DT 8/8	M
		Date expressed as CCYYMMDD			
		Date the bill was issued (rate ready) or created (bill ready).			
BIG02	76	**Invoice Number**	M	AN 1/22	M
		Identifying number assigned by issuer			
BIG05	328	**Release Number**	O	AN 1/30	M/U
		Number identifying a release against a Purchase Order previously placed by the parties involved in the transaction			
		The cross-reference number originally transmitted in the 867 in the BPT02 must be sent in the BIG05.			
BIG07	640	**Transaction Type Code**	O	ID 2/2	O
		Code specifying the type of transaction			
		FE Memorandum, Final Bill			
		This is to designate this is the final usage data being sent for this customer. Customer account has finaled with the utility or the customer has switched			
		Mandatory for Rate Ready Billing			
		ME Memorandum			
BIG08	353	**Transaction Set Purpose Code**	O	ID 2/2	M/U
		Code identifying purpose of transaction set			
		00 Original			
		01 Cancellation			
		Cancels an entire invoice			
		07 Duplicate			

This code will be used only in a Rate Ready scenario when the LDC changes the bill due date for the customer. The LDC will send an 810 to the ESP, the only things changing from the original 810 are the duplicate code and the due date.
PSE&G will not use

PSE&G will not use

17   Cancel, to be Reissued

Reversal – used when 810 cancellation is not related to usage. (Bill Ready only)
PSE&G will not use

18   Reissue

Used in combination with code 17 – Reversal, to re-bill the charges that were previously reversed. (Bill Ready only)
PSE&G will not use

Segment:	**REF** Reference Identification (OI = Original Invoice Number)	
Position:	050	
Loop:		
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. This will eventually be a required field. If you can provide it immediately, please do so. Not supported by PSE&G as they do not support cancels. Provided by SJG and NJNG.	
	Example: REF*OI*123456789019990102	

Data Element Summary

Ref. Des.	Data Element	Name	Base Attributes		User Attributes
REF01	128	**Reference Identification Qualifier**	M	ID 2/3	M
		Code qualifying the Reference Identification			
		OI　　　　　Original Invoice Number			
		Sent when BIG08 = 01. This will eventually be a required field. If you can provide it immediately, please do so.			
REF02	127	**Reference Identification**	X	AN 1/30	O
		Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier			

Segment:	**REF** Reference Identification (11 = ESP Account Number)
Position:	050
Loop:	
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 if it was provided previously
	Example: REF*11*395871290

Data Element Summary

Ref. Des.	Data Element	Name	Base Attributes		User Attributes
REF01	**128**	**Reference Identification Qualifier**	**M**	**ID 2/3**	**M**
		Code qualifying the Reference Identification			
		11 Account Number			
		ESP-assigned account number for 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:	050
Loop:	
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
	Example: REF*12*39205810578

Data Element Summary

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

Code qualifying the Reference Identification

12	Billing Account	

GDC-assigned account number for the end use customer. Must be identical to account number as it appears in the GDC system, excluding punctuation (spaces, dashes, etc.) Significant leading and trailing zeros must be included.

Ref. Des.	Data Element	Name	Base Attributes		User Attributes
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 (BF = Billing Cycle)
Position:	050
Loop:	
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: Rate Ready: Required
	Bill Ready: Not Used
	Example: REF*BF*21

Data Element Summary

Ref. Des.	Data Element	Name	Base Attributes		User Attributes
REF01	**128**	**Reference Identifcation Qualifier**	**M**	**ID 2/3**	**M**
		Code qualifying the Reference Identification			
		BF Billing Center Identification			
		Billing cycle. Cycle number when the billing will be rendered.			
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 (BLT = Billing Type)
Position:	050
Loop:	
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
	Example: REF*BLT*LDC

Data Element Summary

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

Code qualifying the Reference Identification

        BLT   Billing Type

                Identifies the party that sends the bill to the end use customer

Ref. Des.	Data Element	Name	Base Attributes		User Attributes
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

When REF01 is BLT, valid values for REF02 are:
  LDC (meaning the utility [GDC] bills the customer)

    IF …
    Bills the   Calculates   Billing Party Calc. Party
    Customer   GDC Portion ESP Portion REF*BLT   REF*PC
GDC Rate Ready GDC   GDC   GDC   LDC   LDC
GDC Bill Ready GDC   GDC   ESPLDC   DUAL

Be careful to use the UIG Standard Code Values LDC and ESP rather than the New Jersey versions of those codes.

Segment:	**REF** Reference Identification (PC = Calculates Charges)
Position:	050
Loop:	
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
	Example: REF*PC*DUAL

Data Element Summary

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

Code qualifying the Reference Identification

PC   Production Code

Identifies the party that calculates the bill.

Ref. Des.	Data Element	Name	Base Attributes		User Attributes
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

When REF01 is PC, valid values for REF02 are:
  LDC (meaning the utility [GDC] calculates the charges on the bill)
  DUAL (meaning each party calculates their own portion of the charges)

	IF …				
	Bills the	Calculates	Billing Party	Calc. Party	
	Customer	GDC Portion	ESP Portion	REF*BLT	REF*PC
GDC Rate Ready	GDC	GDC	GDC	LDC	LDC
GDC Bill Ready	GDC	GDC	ESP	LDC	DUAL

Be careful to use the UIG Standard Code Values LDC and ESP rather than the New Jersey versions of those codes.

Segment: **N1** Name (8S = GDC Name)
Position: 070
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

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

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

     8S   Consumer Service Provider (CSP)

                    GDC

Segment:	**N1** Name (SJ = ESP Name)
Position:	070
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*007909422ESP

Data Element Summary

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

Segment: **N1** Name (8R = Customer Name)
Position: 070
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: N J Use: Required
Example: N1*8R*JANE DOE*92*2010

Data Element Summary

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

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

    8R   Consumer Service Provider (CSP) Customer

                    End Use Customer

| N102 | 93 | Name | X | AN 1/60 | M/U |

Free-form name

Customer Name as it appears in the GDC System and on the Customer's bill.

| N103 | 66 | Identification Code Qualifier | X | ID 1/2 | O |

Code designating the system/method of code structure used for Identification Code (67)

    92   Assigned by Buyer or Buyer's Agent

                    Reference number meaningful to the customer.

| N104 | 67 | Identification Code | X | AN 2/80 | O |

Code identifying a party or other code

Reference number meaningful to the customer. Note that this number is assigned by the GDC and may or may not be applicable to the ESP.

Segment:	**ITD** Terms of Sale/Deferred Terms of Sale	
Position:	130	
Loop:		
Level:	Heading	
Usage:	Optional	
Max Use:	>1	
Purpose:	To specify terms of sale	
Syntax Notes:	1	If ITD03 is present, then at least one of ITD04 ITD05 or ITD13 is required.
	2	If ITD08 is present, then at least one of ITD04 ITD05 or ITD13 is required.
	3	If ITD09 is present, then at least one of ITD10 or ITD11 is required.
Semantic Notes:	1	ITD15 is the percentage applied to a base amount used to determine a late payment charge.
Comments:	1	If the code in ITD01 is "04", then ITD07 or ITD09 is required and either ITD10 or ITD11 is required; if the code in ITD01 is "05", then ITD06 or ITD07 is required.
Notes:	NJ Use:	Rate Ready: Required if not purchasing receivables
	Bill Ready: Not Used	
	Example:	ITD******19990220

Data Element Summary

Ref. Des.	Data Element	Name	Base Attributes	User Attributes
ITD06	**446**	**Terms Net Due Date**	O DT 8/8	M/U

Date when total invoice amount becomes due expressed in format CCYYMMDD

Payment due date (if applicable). Format: CCYYMMDD

Segment:	**BAL** Balance Detail (P*YB = Previous Balance)	
Position:	212	
Loop:		
Level:	Heading	
Usage:	Optional	
Max Use:	>1	
Purpose:	To identify the specific monetary balances associated with a particular account	
Syntax Notes:		
Semantic Notes:		
Comments:		
Notes:	NJ Use: Rate Ready: Required if not purchasing Receivables Bill Ready: Required if LDC is not maintaining supplier balance. Note PSE&G will not validate or process this data.. Example: BAL*P*YB*500.00	

Data Element Summary

Ref. Des.	Data Element	Name	Base Attributes		User Attributes
BAL01	951	**Balance Type Code**	M	ID 1/2	M
		Code indicating the type of balance			
		P Previous Month			
		Balance of previous period charges prior to applying payments and adjustments for the previous period billing			
BAL02	522	**Amount Qualifier Code**	M	ID 1/3	M
		Code to qualify amount			
		YB Actual Unpaid Principal Balance			
BAL03	782	**Monetary Amount**	M	R 1/18	M
		Monetary amount			

Segment:	**BAL** Balance Detail (M*J9 = Balance prior to billing)
Position:	212
Loop:	
Level:	Heading
Usage:	Optional
Max Use:	>1
Purpose:	To identify the specific monetary balances associated with a particular account
Syntax Notes:	
Semantic Notes:	
Comments:	
Notes:	NJ Use: Rate Ready: Required if not purchasing Receivables
	Bill Ready: Required if LDC is NOT maintaining supplier balance (Not used if LDC is maintaining supplier balance).
	Note: Note PSE&G will not validate or process this data..
	Example: BAL*M*J9*225.00

Data Element Summary

Ref. Des.	Data Element	Name	Base Attributes		User Attributes
BAL01	**951**	**Balance Type Code**	**M**	**ID 1/2**	**M**
		Code indicating type of balance			
		M Current Month			

This is the balance prior to this billing. If a customer is paid in total, this will be zero.
NJ Use: This reflects the past due amount

Ref. Des.	Data Element	Name	Base Attributes		User Attributes
BAL02	**522**	**Amount Qualifier Code**	**M**	**ID 1/3**	**M**
		Code to qualify amount			
		J9 Beginning Balance			
BAL03	**782**	**Monetary Amount**	**M**	**R 1/18**	**M**
		Monetary Amount			

Segment: **BAL** Balance Detail (M*YB = Balance after billing)
Position: 212
Loop:
Level: Heading
Usage: Optional
Max Use: >1
Purpose: To identify the specific monetary balances associated with a particular account
Syntax Notes:
Semantic Notes:
Comments:
Notes: NJ Use: Rate Ready: Required for all except the cancel 810.
Bill Ready Required if LDC is NOT maintaining supplier balance. Not used if the LDC is maintaining the supplier balance.
Note: Required by PSE&G - this value must equal the sum of the current charges (SAC05 where SAC04=GEN004) and adjustments (SAC05 where SAC04=ADJ000)
Example: BAL*M*YB*325.00

Data Element Summary

Ref. Des.	Data Element	Name		Base Attributes	User Attributes
BAL01	951	Balance Type Code		M ID 1/2	M
		Code indicating the type of balance			
		M Current Month			
		The customer's total outstanding balance. This is what the customer owes from previous billing periods plus the current billing period charges.			
BAL02	522	Amount Qualifier Code		M ID 1/3	M
		Code to qualify amount			
		YB Actual Unpaid Principal Balance			
BAL03	782	Monetary Amount		M R 1/18	M
		Monetary Amount			

Segment:	**IT1** Baseline Item Data (Invoice)
Position:	010
Loop:	IT1 Optional
Level:	Detail
Usage:	Optional
Max Use:	1
Purpose:	To specify the basic and most frequently used line item data for the invoice and related transactions

Syntax Notes:
1. If any of IT102 IT103 or IT104 is present, then all are required.
2. If either IT106 or IT107 is present, then the other is required.
3. If either IT108 or IT109 is present, then the other is required.
4. If either IT110 or IT111 is present, then the other is required.
5. If either IT112 or IT113 is present, then the other is required.
6. If either IT114 or IT115 is present, then the other is required.
7. If either IT116 or IT117 is present, then the other is required.
8. If either IT118 or IT119 is present, then the other is required.
9. If either IT120 or IT121 is present, then the other is required.
10. If either IT122 or IT123 is present, then the other is required.
11. If either IT124 or IT125 is present, then the other is required.

Semantic Notes:
1. IT101 is the purchase order line item identification.

Comments:
1. Element 235/234 combinations should be interpreted to include products and/or services. See the Data Dictionary for a complete list of IDs.
2. IT106 through IT125 provide for ten different product/service IDs for each item. For example: Case, Color, Drawing No., U.P.C. No., ISBN No., Model No., or SKU.

Notes:
Notes: ACCOUNT: Used to convey charges that apply to the entire account.
Note: If tax is the only information conveyed in this loop, the SLN and SAC segments should not be sent.
Note: IT1 loops may be sent in any order.
There may only be ONE IT1 ACCOUNT Loop
NJ Use: This loop is required to identify whether this is an electric or gas transaction. The ACCOUNT loop is the only one used for Bill Ready.
Examples: IT1*1*****SV*GAS*C3*ACCOUNT

Data Element Summary

Ref. Des.	Data Element	Name	Base Attributes		User Attributes
IT101	**350**	**Assigned Identification**	O	AN 1/20	**M/U**
		Alphanumeric characters assigned for differentiation within a transaction set			
		Sequential Line item counter			
IT106	**235**	**Product/Service ID Qualifier**	X	ID 2/2	**M/U**
		Code identifying the type/source of the descriptive number used in Product/Service ID (234)			
		SV Service Rendered			
IT107	**234**	**Product/Service ID**	X	AN 1/48	**M/U**
		Identifying number for a product or service			
		GAS			
IT108	**235**	**Product/Service ID Qualifier**	X	ID 2/2	**M/U**
		Code identifying the type/source of the descriptive number used in Product/Service ID (234)			
		C3 Classification			
IT109	**234**	**Product/Service ID**	X	AN 1/48	**M/U**

Identifying number for a product or service

ACCOUNT - Indicates that charges pertain to the account level.

Segment: **PID** Product/Item Description
Position: 060
Loop: PID Optional
Level: Detail
Usage: Optional
Max Use: 1
Purpose: To describe a product or process in coded or free-form format
Syntax Notes:
1 If PID04 is present, then PID03 is required.
2 At least one of PID04 or PID05 is required.
3 If PID07 is present, then PID03 is required.
4 If PID08 is present, then PID04 is required.
5 If PID09 is present, then PID05 is required.
Semantic Notes:
1 Use PID03 to indicate the organization that publishes the code list being referred to.
2 PID04 should be used for industry-specific product description codes.
3 PID08 describes the physical characteristics of the product identified in PID04. A "Y" indicates that the specified attribute applies to this item; an "N" indicates it does not apply. Any other value is indeterminate.
4 PID09 is used to identify the language being used in PID05.
Comments:
1 If PID01 equals "F", then PID05 is used. If PID01 equals "S", then PID04 is used. If PID01 equals "X", then both PID04 and PID05 are used.
2 Use PID06 when necessary to refer to the product surface or layer being described in the segment.
3 PID07 specifies the individual code list of the agency specified in PID03.
Notes:
Notes: Used to provide required IT1 level billing messages.
NJ Use:
Not used In Rate Ready
Conditionally available by utility in Bill Ready:
- PSE&G - Required to convey the TPS price on the consolidated customer bill for residential customers, C&I optional. See New Jersey Notes Section)

- PSE&G will support up to 60 chars in PID05 when PID06=R1 or R2 and PSE&G will support up to 50 PID loops

Example:
PID*F**EU** ENERGY CHARGE-60KWH@0.099833 PER KWH *R1*01

Data Element Summary

Ref. Des.	Data Element	Name	Base Attributes		User Attributes
PID01	349	**Item Description Type**	M	ID 1/1	**M**
		Code indicating the format of a description			
		F Free-form			
PID03	559	**Agency Qualifier Code**	X	ID 2/2	**M/U**
		Code identifying the agency assigning the code values			
		EU Electric Utilities			
		Note: EU code will be used for natural gas			
PID05	352	**Description**	X	AN 1/80	**M/U**
		A free-form description to clarify the related data elements and their content			
PID06	752	**Surface/Layer/Position Code**	O	ID 2/2	**M/U**
		Code indicating the product surface, layer or position that is being described			

R1	Relative Position 1	
R2	Relative Position 2	

PID07   **822**   **Source Subqualifier**   **O   AN 1/15   O**

A reference that indicates the table or text maintained by the Source Qualifier

Relative sequence number for printing
Note: Required by PSE&G if segment is sent

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

Position:	150
Loop:	IT1 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: Rate Ready -Required,- Must match the service period dates in PTD*SU loop from the 867 transaction.
	Bill Ready - PSE&G will validate this field.
	Example: DTM*150*20120102

Data Element Summary

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

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Segment:	**DTM** Date/Time Reference (151 = Service Period End)				
Position:	150				
Loop:	IT1　　　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:　　Rate Ready -Required,- Must match the service period dates in PTD*SU loop from the 867 transaction.				
	Bill Ready - PSE&G will validate this field.				
	Example:　　　DTM*151*20120201				

Data Element Summary

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

Segment: **SLN** Subline Item Detail

Position: 200
Loop: SLN Optional
Level: Detail
Usage: Optional
Max Use: 1
Purpose: To specify product subline detail item data
Syntax Notes:
1 If either SLN04 or SLN05 is present, then the other is required.
2 If SLN07 is present, then SLN06 is required.
3 If SLN08 is present, then SLN06 is required.
4 If either SLN09 or SLN10 is present, then the other is required.
5 If either SLN11 or SLN12 is present, then the other is required.
6 If either SLN13 or SLN14 is present, then the other is required.
7 If either SLN15 or SLN16 is present, then the other is required.
8 If either SLN17 or SLN18 is present, then the other is required.
9 If either SLN19 or SLN20 is present, then the other is required.
10 If either SLN21 or SLN22 is present, then the other is required.
11 If either SLN23 or SLN24 is present, then the other is required.
12 If either SLN25 or SLN26 is present, then the other is required.
13 If either SLN27 or SLN28 is present, then the other is required.
Semantic Notes:
1 SLN01 is the identifying number for the subline item.
2 SLN02 is the identifying number for the subline level. The subline level is analogous to the level code used in a bill of materials.
3 SLN03 is the configuration code indicating the relationship of the subline item to the baseline item.
4 SLN08 is a code indicating the relationship of the price or amount to the associated segment.
Comments:
1 See the Data Element Dictionary for a complete list of IDs.
2 SLN01 is related to (but not necessarily equivalent to) the baseline item number. Example: 1.1 or 1A might be used as a subline number to relate to baseline number 1.
3 SLN09 through SLN28 provide for ten different product/service IDs for each item. For example: Case, Color, Drawing No., U.P.C. No., ISBN No., Model No., or SKU.
Notes: Notes: The IT1/SLN segment (Position 200) is used to overcome the limitation of 25 IT1/SAC loops (Position 180). Each SLN loop will only contain one SAC. Multiple charges/allowances require multiple SLN loops.
NJ Use: Required if sending any SAC segments
Example: SLN*1**A

Data Element Summary

Ref. Des.	Data Element	Name	Base Attributes		User Attributes
SLN01	350	Assigned Identification	M	AN 1/20	M
		Alphanumeric characters assigned for differentiation within a transaction set			
		Used as a loop counter			
SLN03	662	Relationship Code	M	ID 1/1	M
		Code indicating the relationship between entities			
		A	Add		

Segment: **SAC** Service, Promotion, Allowance, or Charge Information
Position: 230
Loop: SLN   Optional
Level: Detail
Usage: Optional
Max Use: 25
Purpose: To request or identify a service, promotion, allowance, or charge; to specify the amount or percentage for the service, promotion, allowance, or charge
Syntax Notes:
1   At least one of SAC02 or SAC03 is required.
2   If either SAC03 or SAC04 is present, then the other is required.
3   If either SAC06 or SAC07 is present, then the other is required.
4   If either SAC09 or SAC10 is present, then the other is required.
5   If SAC11 is present, then SAC10 is required.
6   If SAC13 is present, then at least one of SAC02 or SAC04 is required.
7   If SAC14 is present, then SAC13 is required.
8   If SAC16 is present, then SAC15 is required.

Semantic Notes:
1   If SAC01 is "A" or "C", then at least one of SAC05, SAC07, or SAC08 is required.
2   SAC05 is the total amount for the service, promotion, allowance, or charge.
      If SAC05 is present with SAC07 or SAC08, then SAC05 takes precedence.
3   SAC08 is the allowance or charge rate per unit.
4   SAC10 and SAC11 is the quantity basis when the allowance or charge quantity is different from the purchase order or invoice quantity.
      SAC10 and SAC11 used together indicate a quantity range, which could be a dollar amount, that is applicable to service, promotion, allowance, or charge.
5   SAC13 is used in conjunction with SAC02 or SAC04 to provide a specific reference number as identified by the code used.
6   SAC14 is used in conjunction with SAC13 to identify an option when there is more than one option of the promotion.
7   SAC16 is used to identify the language being used in SAC15.

Comments:
1   SAC04 may be used to uniquely identify the service, promotion, allowance, or charge. In addition, it may be used in conjunction to further the code in SAC02.
2   In some business applications, it is necessary to advise the trading partner of the actual dollar amount that a particular allowance, charge, or promotion was based on to reduce ambiguity. This amount is commonly referred to as "Dollar Basis Amount". It is represented in the SAC segment in SAC10 using the qualifier "DO" - Dollars in SAC09.

Notes:
Notes: Each SLN loop will contain only one SLN and one SAC. Multiple charges/allowances require multiple SLN loops.
NJ Use: Required
SAC08, 09, 10, 13, 15 are conditional, they must be provided if the charge in the SAC05 is based on a rate. The SAC05 is mandatory in all cases.

Note: SAC03/SAC04 are only used for Rate Ready.

Bill Ready: PSE&G: SAC01, 02, 03, 04, 05 are required. PSE&G does not print information sent in the SAC15, uses PID segment. (See New Jersey Notes section)\

SAC04 values: In addition to being used for Rate Ready, some utilities may require this in Bill Ready to distinguish charges:
-     PSE&G - SAC04 is required. ADJ000, GEN004 are valid values.

Bill Ready:
SAC*C*D140***500***5.00*MO*1***2**CUSTOMER CHARGES: $5.00

Rate Ready:

SAC*C*F950*EU*BAS001*500***5.00*MO*1*****CUSTOMER CHARGE

Data Element Summary

Ref. Des.	Data Element	Name	Base Attributes		User Attributes
SAC01	**248**	**Allowance or Charge Indicator**	**M**	**ID 1/1**	**M**

Code which indicates an allowance or charge for the service specified

A	Allowance	
C	Charge	
N	No Allowance or Charge	

The amount in the SAC05 will be ignored when summing the invoice total.
PSE&G accepts only "C"

Ref. Des.	Data Element	Name	Base Attributes		User Attributes
SAC02	**1300**	**Service, Promotion, Allowance, or Charge Code**	**X**	**ID 4/4**	**M/U**

Code identifying the service, promotion, allowance, or charge

D140	Bill Ready - Actual Charges	
F950	Rate Ready - Actual Charges	
H151	Rate Ready - Budget Billed Charges	

Ref. Des.	Data Element	Name	Base Attributes		User Attributes
SAC03	**559**	**Agency Qualifier Code**	**X**	**ID 2/2**	**D**

Code identifying the agency assigning the code values

EU	Electric Utilities	

Note: EU code will be used for natural gas

Ref. Des.	Data Element	Name	Base Attributes		User Attributes
SAC04	**1301**	**Energy Charges**	**X**	**AN 1/10**	**D**

NJ: In addition to being used for Rate Ready, some utilities may require this in Bill Ready to distinguish charges:
• PSE&G– SAC04 is required. ADJ000, GEN004 are only valid values.

ADJ000	Adjustments / Payments
ADJ002	Adjustment
BAS001	Customer Charge
BUD001	Current Budget Charge
DMD001	Demand Charge
GEN002	Generation Charge - Measured
GEN003	Generation Charge - Adjusted
GEN004	Generation Charge - Billed
GTC002	Generation/Transmission Charge - Measured
GTC003	Generation/Transmission Charge - Adjusted
GTC004	Generation/Transmission Charge - Billed
GTC005	Generation/Transmission Charge - On Peak
GTC006	Generation/Transmission Charge - Off Peak
LPC001	Late Payment Charge
TRN002	Transmission Charge - Measured
TRN003	Transmission Charge - Adjusted
TRN004	Transmission Charge - Billed

Ref. Des.	Data Element	Name	Base Attributes		User Attributes
SAC05	**610**	**Amount**	**O**	**N2 1/15**	**M/U**

Monetary amount

This field stands on its own and will be signed if it is negative. The SAC01 is NOT used to determine the sign in the SAC05.

| SAC08 | 118 | **Rate** | O | R 1/9 | D |

Rate expressed in the standard monetary denomination for the currency specified

PSE&G does not use

| SAC09 | 355 | **Unit or Basis for Measurement Code** | X | ID 2/2 | D |

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

TD   Therms

| SAC10 | 380 | **Quantity** | X | R 1/15 | D |

Numeric value of quantity

| SAC13 | 127 | **Reference Identification** | X | AN 1/30 | D |

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

PSE&G does not use
Used to assign a print sequencing number to determine the order that the line item will appear on the bill. Not used for Rate Ready billing.

| SAC15 | 352 | **Description** | X | AN 1/80 | D |

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

PSE&G does not use
For NJNG contains meter number

Segment: **IT1** Baseline Item Data (Invoice) (Rate Level Loop)

Position: 010
Loop: IT1   Optional
Level: Detail
Usage: Optional
Max Use: 1
Purpose: To specify the basic and most frequently used line item data for the invoice and related transactions
Syntax Notes:
1 If any of IT102 IT103 or IT104 is present, then all are required.
2 If either IT106 or IT107 is present, then the other is required.
3 If either IT108 or IT109 is present, then the other is required.
4 If either IT110 or IT111 is present, then the other is required.
5 If either IT112 or IT113 is present, then the other is required.
6 If either IT114 or IT115 is present, then the other is required.
7 If either IT116 or IT117 is present, then the other is required.
8 If either IT118 or IT119 is present, then the other is required.
9 If either IT120 or IT121 is present, then the other is required.
10 If either IT122 or IT123 is present, then the other is required.
11 If either IT124 or IT125 is present, then the other is required.

Semantic Notes:
1 IT101 is the purchase order line item identification.

Comments:
1 Element 235/234 combinations should be interpreted to include products and/or services. See the Data Dictionary for a complete list of IDs.
2 IT106 through IT125 provide for ten different product/service IDs for each item. For example: Case, Color, Drawing No., U.P.C. No., ISBN No., Model No., or SKU.

Notes: NJ Use: At least one type of loop is Required. Required for Rate Ready only.
Example: IT1*1*****SV*ELECTRIC*C3*RATE

Data Element Summary

Ref. Des.	Data Element	Name	Base Attributes	User Attributes
IT101	350	Assigned Identification	M AN 1/20	M

Alphanumeric characters assigned for differentiation within a transaction set

Sequential Line item counter

| IT106 | 235 | Product/Service ID Qualifier | X ID 2/2 | M/U |

Code identifying the type/source of the descriptive number used in Product/Service ID (234)
    SV   Service Rendered

| IT107 | 234 | Product/Service ID | X AN 1/48 | M/U |

Identifying number for a product or service

GAS

| IT108 | 235 | Product/Service ID | X ID 2/2 | M/U |

Code identifying the type/source of the descriptive number used in Product/Service ID (234)
    C3   Classification

| IT109 | 234 | Product/Service ID | X AN 1/48 | M/U |

Identifying number for a product or service

RATE - Indicates that charges are summarized at a rate level.

Segment: **REF** Reference Identification (DQ = Highest Monthly Average Daily (HMAD))

Position:	120
Loop:	IT1 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:	
Notes:	NJ Use: Used by New Jersey Natural Gas Only
	Example: REF*DQ*10.9

Data Element Summary

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

Code qualifying the Reference Identification

    DQ   Delivery Quote Number

                         Highest Month Average Daily (HMAD)
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	**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 (RB = ESP Rate Code for the Customer)
Position: 120
Loop: IT1   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:
Notes: NJ Use: Rate Ready: Optional when IT109 = RATE
Bill Ready: Not Used
Example: REF*RB*A29

Data Element Summary

Ref. Des.	Data Element	Name	Base Attributes		User Attributes
REF01	128	**Reference Identification Code**	M	ID 2/3	M
		Code qualifying the Reference Identification			
		RB ESP Rate Code for the 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 (SJ = Maximum Daily Quantity (MDQ))	
Position:	120	
Loop:	IT1 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:		
Notes:	NJ Use: Used by New Jersey Natural Gas Only	
	Example: REF*SJ*10.9	

Data Element Summary

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

Code qualifying the Reference Identification

SJ   Set Number

Maximum Daily Quantity (MDQ)-
 This is on the calculated 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 NJNG's Tariff.

| 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:	**DTM** Date/Time Reference (150 = Service Period Start)
Position:	150
Loop:	IT1 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- Must match the service period dates in PTD*SU loop from the 867 transaction.
	Example: DTM*150*20120102

Data Element Summary

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

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

Position:	150
Loop:	IT1 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- Must match the service period dates in PTD*SU loop from the 867 transaction.
	Example: DTM*151*20120201

Data Element Summary

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

Segment:	SLN **Subline Item Detail**
Position:	200
Loop:	SLN Optional
Level:	Detail
Usage:	Optional
Max Use:	1
Purpose:	To specify product subline detail item data
Syntax Notes:	1 If either SLN04 or SLN05 is present, then the other is required.
	2 If SLN07 is present, then SLN06 is required.
	3 If SLN08 is present, then SLN06 is required.
	4 If either SLN09 or SLN10 is present, then the other is required.
	5 If either SLN11 or SLN12 is present, then the other is required.
	6 If either SLN13 or SLN14 is present, then the other is required.
	7 If either SLN15 or SLN16 is present, then the other is required.
	8 If either SLN17 or SLN18 is present, then the other is required.
	9 If either SLN19 or SLN20 is present, then the other is required.
	10 If either SLN21 or SLN22 is present, then the other is required.
	11 If either SLN23 or SLN24 is present, then the other is required.
	12 If either SLN25 or SLN26 is present, then the other is required.
	13 If either SLN27 or SLN28 is present, then the other is required.
Semantic Notes:	1 SLN01 is the identifying number for the subline item.
	2 SLN02 is the identifying number for the subline level. The subline level is analogous to the level code used in a bill of materials.
	3 SLN03 is the configuration code indicating the relationship of the subline item to the baseline item.
	4 SLN08 is a code indicating the relationship of the price or amount to the associated segment.
Comments:	1 See the Data Element Dictionary for a complete list of IDs.
	2 SLN01 is related to (but not necessarily equivalent to) the baseline item number. Example: 1.1 or 1A might be used as a subline number to relate to baseline number 1.
	3 SLN09 through SLN28 provide for ten different product/service IDs for each item. For example: Case, Color, Drawing No., U.P.C. No., ISBN No., Model No., or SKU.
Notes:	Notes: The IT1/SLN segment (Position 200) is used to overcome the limitation of 25 IT1/SAC loops (Position 180). Each SLN loop will only contain one SAC. Multiple charges/allowances require multiple SLN loops.
	NJ Use: Required if sending any SAC segments
	Example: SLN*1**A

Data Element Summary

Ref. Des.	Data Element	Name	Base Attributes		User Attributes
SLN01	**350**	**Assigned Identification**	**M**	**AN 1/20**	**M**
		Alphanumeric characters assigned for differentiation within a transaction set			
		Used as a loop counter			
SLN03	**662**	**Relationship Code**	**M**	**ID 1/1**	**M**
		Code indicating the relationship between entities			
		A Add			

Segment:	**SAC** Service, Promotion, Allowance, or Charge Information
Position:	230
Loop:	SLN Optional
Level:	Detail
Usage:	Optional
Max Use:	25
Purpose:	To request or identify a service, promotion, allowance, or charge; to specify the amount or percentage for the service, promotion, allowance, or charge
Syntax Notes:	1 At least one of SAC02 or SAC03 is required.
	2 If either SAC03 or SAC04 is present, then the other is required.
	3 If either SAC06 or SAC07 is present, then the other is required.
	4 If either SAC09 or SAC10 is present, then the other is required.
	5 If SAC11 is present, then SAC10 is required.
	6 If SAC13 is present, then at least one of SAC02 or SAC04 is required.
	7 If SAC14 is present, then SAC13 is required.
	8 If SAC16 is present, then SAC15 is required.
Semantic Notes:	1 If SAC01 is "A" or "C", then at least one of SAC05, SAC07, or SAC08 is required.
	2 SAC05 is the total amount for the service, promotion, allowance, or charge. If SAC05 is present with SAC07 or SAC08, then SAC05 takes precedence.
	3 SAC08 is the allowance or charge rate per unit.
	4 SAC10 and SAC11 is the quantity basis when the allowance or charge quantity is different from the purchase order or invoice quantity. SAC10 and SAC11 used together indicate a quantity range, which could be a dollar amount, that is applicable to service, promotion, allowance, or charge.
	5 SAC13 is used in conjunction with SAC02 or SAC04 to provide a specific reference number as identified by the code used.
	6 SAC14 is used in conjunction with SAC13 to identify an option when there is more than one option of the promotion.
	7 SAC16 is used to identify the language being used in SAC15.
Comments:	1 SAC04 may be used to uniquely identify the service, promotion, allowance, or charge. In addition, it may be used in conjunction to further the code in SAC02.
	2 In some business applications, it is necessary to advise the trading partner of the actual dollar amount that a particular allowance, charge, or promotion was based on to reduce ambiguity. This amount is commonly referred to as "Dollar Basis Amount". It is represented in the SAC segment in SAC10 using the qualifier "DO" - Dollars in SAC09.
Notes:	NJ Use: Required for Rate Ready only
	SAC08, 09, 10, 13, 15 are conditional, they must be provided if the charge in the SAC05 is based on a rate. The SAC05 is mandatory in all cases. Note: SJG uses SAC04 ADJ000 for both Payments and Adjustments.
	Example: SAC*C*F950*EU*GEN004*4539***.03678*KH*1234*****GENERATION CHARGE

Data Element Summary

Ref. Des.	Data Element	Name	Base Attributes	User Attributes
SAC01	248	**Allowance or Charge Indicator**	M ID 1/1	M
		Code which indicates an allowance or charge for the service specified		

	A	Allowance			
	C	Charge			
	N	No Allowance or Charge			

> The amount in the SAC05 will be ignored when summing the invoice total.
> PSE&G accepts only "C"

SAC02	**1300**	**Service, Promotion, Allowance, or Charge Code**	**X**	**ID 4/4**	**M/U**

Code identifying the service, promotion, allowance, or charge

D140	Bill Ready - Actual Charges
F950	Rate Ready - Actual Charges
H151	Rate Ready - Budget Billed Charges

SAC03	**559**	**Agency Qualifier Code (Used for Rate Ready Only)**	**X**	**ID 2/2**	**M/U**

Code identifying the agency assigning the code values

EU	Electric Utilities

> Note: EU code will be used for natural gas

SAC04	**1301**	**Energy Charges**	**X**	**AN 1/10**	**D**

NJ: In addition to being used for Rate Ready, some utilities may require this in Bill Ready to distinguish charges:

ADJ000	Adjustments / Payments
ADJ002	Adjustment
BAS001	Customer Charge
BUD001	Current Budget Charge
DMD001	Demand Charge
GEN002	Generation Charge - Measured
GEN003	Generation Charge - Adjusted
GEN004	Generation Charge - Billed
GTC002	Generation/Transmission Charge - Measured
GTC003	Generation/Transmission Charge - Adjusted
GTC004	Generation/Transmission Charge - Billed
GTC005	Generation/Transmission Charge - On Peak
GTC006	Generation/Transmission Charge - Off Peak
LPC001	Late Payment Charge
TRN002	Transmission Charge - Measured
TRN003	Transmission Charge - Adjusted
TRN004	Transmission Charge - Billed

SAC05	**610**	**Amount**	**O**	**N2 1/15**	**M/U**

Monetary Amount

> This field stands on its own and will be signed if it is negative. The SAC01 is NOT used to determine the sign in the SAC05.

SAC08	**118**	**Rate**	**O**	**R 1/9**	**D**

Rate expressed in the standard monetary denomination for the currency specified

SAC09	**355**	**Unit or Basis for Measurement Code**	**X**	**ID 2/2**	**D**

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

TD	Therms

SAC10	**380**	**Quantity**		**X**	**R 1/15**	**D**

Numeric value of quantity

SAC13	**127**	**Reference Identification**	**X**	**AN 1/30**	**D**

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

Used to assign a print sequencing number to determine the order that the line item will appear on the bill. Not used for Rate Ready billing.

SAC15   **352**   **Description**   **X**   **AN 1/80**   **D**

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

Segment: **TDS** Total Monetary Value Summary
Position: 010
Loop:
Level: Summary
Usage: Mandatory
Max Use: 1
Purpose: To specify the total invoice discounts and amounts
Syntax Notes:
Semantic Notes:
    1 TDS01 is the total amount of invoice (including charges, less allowances) before terms discount (if discount is applicable).
    2 TDS02 indicates the amount upon which the terms discount amount is calculated.
    3 TDS03 is the amount of invoice due if paid by terms discount due date (total invoice or installment amount less cash discount).
    4 TDS04 indicates the total amount of terms discount.
Comments:
    1 TDS02 is required if the dollar value subject to discount is not equal to the dollar value of TDS01.
Notes: Notes: TDS01 is the total amount due for this invoice and must equal the algebraic sum of the amounts in the TXI02 and SAC05 segments with the exception of any charges that are designated to be ignored in the calculation in the TXI07 or SAC01. If this amount is negative, send the minus sign.
NJ Use: Required - The TDS will be the sum of all of the SAC lines. It will not necessarily equal the total charges sent for the current month. For instance, any adjustments sent in Bill Ready for PSE&G will be included in the TDS.
Example: TDS*10000 Note: This represents $100.00 - there is an implied decimal.

Data Element Summary

Ref. Des.	Data Element	Name	Base Attributes	User Attributes
TDS01	610	**Amount**	M N2 1/15	M
		Monetary amount		

Segment:	**CTT** Transaction Totals
Position:	070
Loop:	
Level:	Summary
Usage:	Optional
Max Use:	1
Purpose:	To transmit a hash total for a specific element in the transaction set
Syntax Notes:	1 If either CTT03 or CTT04 is present, then the other is required.
	2 If either CTT05 or CTT06 is present, then the other is required.
Semantic Notes:	
Comments:	1 This segment is intended to provide hash totals to validate transaction completeness and correctness.
Notes:	NJ Use: Required
	Example: CTT*4

Data Element Summary

Ref. Des.	Data Element	Name	Base Attributes		User Attributes
CTT01	354	**Number of Line Items**	M	N0 1/6	M

Total number of line items in the transaction set

The number of IT1 segments.

Segment: **SE** **Transaction Set Trailer**
Position: 080
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*28*000000001

Data Element Summary

Ref. Des.	Data Element	Name	Base Attributes		User Attributes
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:

PSE&G 810

LDC Consolidated Bill Ready

Original

Heading:

Segment Contents	Element Description
ST*810*903169231	Transaction Set Identifier Code: **810,** LDC Consolidated Bill *Transaction Set Control Number: **903169231**, Identifying Control Number*
BIG*20130209*130400003498067***030650411607**ME*00	Invoice Date: **20130209**, Date bill was issued Invoice Number: **130400003498067** Release Number: **030650411607**, Cross Reference Number of 867 Transaction Type Code: **ME**, Memorandum Transaction Set Purpose Code: **00**, Original

Account Level Information:

Segment Contents	Element Description
REF*12*PG000011811111111111	Reference Identification Qualifier: **12**, Billing Account Reference Identification: **PG000011811111111111**, GDC Account Number
REF*PC*DUAL	Reference Identification Qualifier: **PC**, Party Calculating Charges Reference Identification: **DUAL**
REF*BLT*LDC	Reference Identification Qualifier: **BLT**, Billing Type Reference Identification: **DUAL**
N1*8R*JANE DOE	Entity Identifier Code: **8R**, End Use Customer Name: **JANE DOE**, Customer Name
N1*8S*PUBLIC SERVICE ELECTRIC AND GAS COMPANY - GAS*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*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
BAL*M*YB*2.11	Balance Type Code, **M**, Current Month Amount Qualifier Code, **YB**, Actual Unpaid Principal Balance Monetary Amount, **2.11**

Account Level Charges

Segment Contents	Element Description
IT1*1*****SV*GAS*C3*ACCOUNT	Assigned Identification, **1**, Sequential Line Item Counter Product/Service ID Qualifier, **SV**, Service Rendered Product/Service ID, **GAS** Product/Service ID Qualifier, **C3,** Classification Product/Service ID, **ACCOUNT**
PID*F**EU**GENERATION 4.222 THERMS @ 0.499*R1*1	Product/Item Description Type, **F**, Free-form Agency Qualifier Code, **EU**, Electric Utilities (used even though Gas) Description, **GENERATION 4.222 THERMS @ 0.499**, Supplier Rate Information Surface/Layer/Position Code, **R1**, Relative Position 1 Source Subqualifier, **1,** Relative Sequence Number for Printing
DTM*150*20130202	Date/Time Qualifier: **150**, Service Period Start Date Service Period Start Date: **20130106**
DTM*151*20130206	Date/Time Qualifier: **151**, Service Period End Date Service Period End Date: **20130206**
SLN*1**A	Assigned Identification, **1**, Loop Counter Relationship Code, **A,** Add
SAC*C*D140*EU*GEN004*211**********GENERATION 4.222 THERMS @ 0.499	Allowance or Charge Indicator, **C**, Charge Service, Promotion, Allowance, or Charge Code, **D140,** Bill Ready – Actual Charges Agency Qualifier Code (Used for Rate Ready Only), **EU**, Electric Utilities (Note: EU code will be used for natural gas) Energy Charges, GEN004, Generation Charge – Billed Amount, **211**, Description, **GENERATION 4.222 THERMS @ 0.499,** (Note, PSEG does not print this on the bill)

Summary:

Segment Contents	Element Description
TDS*211	Total Monetary Value Summary, **211**
CTT*1	Transaction Totals, **1**
SE*18*903169231	Transaction Set Identifier Code: **18,** *No. Of Included Segments* Transaction Set Control Number: **903169231,** *Identifying Control Number*

PSE&G 810

LDC Consolidated Bill Ready

Original with Adjustment

Heading:

Segment Contents	Element Description
ST*810*014123797	Transaction Set Identifier Code: **810,** LDC Consolidated Bill *Transaction Set Control Number: **014123797**, Identifying Control Number*
BIG*20130131*60000114232***000104606106**ME*00	Invoice Date: **20130131**, Date bill was issued Invoice Number: **60000114232** Release Number: **000104606106**, Cross Reference Number of 867 Transaction Type Code: **ME**, Memorandum Transaction Set Purpose Code: **00**, Original

Account Level Information:

Segment Contents	Element Description
REF*12*PG000011811111111111	Reference Identification Qualifier: **12**, Billing Account Reference Identification: **PG000011811111111111**, GDC Account Number
REF*BLT*LDC	Reference Identification Qualifier: **PC**, Party Calculating Charges Reference Identification: **DUAL**
REF*PC*DUAL	Reference Identification Qualifier: **BLT**, Billing Type Reference Identification: **DUAL**
N1*8S*PUBLIC SERVICE ELECTRIC AND GAS COMPANY - GAS*9*006973812GASP	Entity Identifier Code: **8R**, End Use Customer Name: **JANE DOE**, Customer Name
N1*SJ*ESP COMPANY NAME*1*012345678	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*8R*JANE DOE	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
BAL*M*YB*388.61	Balance Type Code, **M**, Current Month Amount Qualifier Code, **YB**, Actual Unpaid Principal Balance Monetary Amount, **388.61**

Account Level Charges

Segment Contents	Element Description

Segment Contents	Element Description
IT1*1*****SV*ELECTRIC*C3*ACCOUNT	Assigned Identification, **1**, Sequential Line Item Counter Product/Service ID Qualifier, **SV**, Service Rendered Product/Service ID, **GAS** Product/Service ID Qualifier, **C3**, Classification Product/Service ID, **ACCOUNT**
PID*F**EU**GENERATION: 4500.00000 KWH AT 0.11440 PER KWH*R1*1	Product/Item Description Type, **F**, Free-form Agency Qualifier Code, **EU**, Electric Utilities (used even though Gas) Description, **GENERATION: 4500.00000 KWH AT 0.11440 PER KWH**, Supplier Rate Information Surface/Layer/Position Code, **R1**, Relative Position 1 Source Subqualifier, **1,** Relative Sequence Number for Printing
DTM*150*20121215	Date/Time Qualifier: **150**, Service Period Start Date Service Period Start Date: **20121215**
DTM*151*20130114	Date/Time Qualifier: **151**, Service Period End Date Service Period End Date: **20130114**
SLN*1**A	Assigned Identification, **1**, Loop Counter Relationship Code, **A,** Add
SAC*C*D140*EU*GEN004*51480********1**GENERATION: 4500.00000 KWH AT 0.11440 PER KWH	Allowance or Charge Indicator, **C**, Charge Service, Promotion, Allowance, or Charge Code, **D140,** Bill Ready – Actual Charges Agency Qualifier Code (Used for Rate Ready Only), **EU**, Electric Utilities (Note: EU code will be used for natural gas) Energy Charges, **GEN004**, Generation Charge – Billed Amount, **211**, Description, **GENERATION: 4500.00000 KWH AT 0.11440 PER KWH,** (Note, PSEG does not print this on the bill)
SLN*2**A	Assigned Identification, 2, Loop Counter Relationship Code, **A,** Add
SAC*C*D140*EU*ADJ000*-12619********2**GENERATION: 4500.00000 KWH AT 0.11440 PER KWH	Allowance or Charge Indicator, **C**, Charge Service, Promotion, Allowance, or Charge Code, **D140,** Bill Ready – Actual Charges Agency Qualifier Code (Used for Rate Ready Only), **EU**, Electric Utilities (Note: EU code will be used for natural gas) Energy Charges, **ADJ000**, Adjustment/Payment Amount, **-12619**, Description, **GENERATION: 4500.00000 KWH AT 0.11440 PER KWH,** (Note, PSEG does not print this on the bill)

Summary:

Segment Contents	Element Description
TDS*38861	Total Monetary Value Summary, **38861**
CTT*1	Transaction Totals, **1**

	Transaction Set Identifier Code: **20**, No. Of Included Segments Transaction Set Control Number:**14123797,**
SE*20*014123797	Identifying Control Number

SOUTH JERSEY GAS 810
LDC Rate Ready
Original
Heading

Segment Contents	Element Description
ST*810*839201081	Transaction Set Identifier Code: **810,** LDC Consolidated Bill *Transaction Set Control Number: 839201081, Identifying Control Number*
BIG*20121102*20121102I00SJG18081693***41655044 0002012110200020121102**ME*00	Invoice Date: **20121102**, Date bill was issued Invoice Number: **20121102I00SJG18081693** Release Number: **41655044 00020121102020121102**, Cross Reference Number of 867 Transaction Type Code: **ME**, Memorandum Transaction Set Purpose Code: **00**, Original

Account Level Information:

Segment Contents	Element Description
REF*12*21036509012888899999	Reference Identification Qualifier: **12**, Billing Account Reference Identification: **21036509012888899999**, GDC Account Number
REF*BF*04	Reference Identification Qualifier: BF, GDC Billing Cycle Reference Identification: 04
REF*PC*LDC	Reference Identification Qualifier: **PC**, Party Calculating Charges Reference Identification: **LDC**
REF*BLT*LDC	Reference Identification Qualifier: **BLT**, Billing Type Reference Identification: **LDC**
N1*8R*JANE DOE	Entity Identifier Code: **8R**, End Use Customer Name: **JANE DOE**, Customer Name
N1*8S*SOUTH JERSEY GAS*1*051409605	Entity Identifier Code: **8S**, Consumer Service Provider Name: **SOUTH JERSEY GAS**, 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
BAL*M*YB*0	Balance Type Code, **M**, Current Month Amount Qualifier Code, **YB**, Actual Unpaid Principal Balance Monetary Amount, **0**

Rate Level Charges

Segment Contents	Element Description

IT1*1*****SV*GAS*C3*RATE	Assigned Identification, **1**, Sequential Line Item Counter Product/Service ID Qualifier, **SV**, Service Rendered Product/Service ID, **GAS** Product/Service ID Qualifier, **C3,** Classification Product/Service ID, **RATE**
DTM*150*20121003	Date/Time Qualifier: **150**, Service Period Start Date Service Period Start Date: **20121003**
DTM*151*20121102	Date/Time Qualifier: **151**, Service Period End Date Service Period End Date: **20121102**
SLN*1**A	Assigned Identification, **1**, Loop Counter Relationship Code, **A,** Add
SAC*C*F950*EU*ADJ000*2330***.459*TD*50.764*****NATURAL GAS COMMODITY	Allowance or Charge Indicator, **C**, Charge Service, Promotion, Allowance, or Charge Code, **F950,** Rate Ready – Actual Charges Agency Qualifier Code (Used for Rate Ready Only), **EU**, Electric Utilities (Note: EU code will be used for natural gas) Energy Charges, **ADJ000,** Payment/Adjustment Amount, **2330**, Rate, **.459** Unit or Unit or Basis for Measurement Code, **TD**, Therms Quantity, **50.764** Description, **NATURAL GAS COMMODITY**

Summary:

Segment Contents	Element Description
TDS*2330	Total Monetary Value Summary, **2330**
CTT*1	Transaction Totals, **1**
SE*18*839201081	Transaction Set Identifier Code: **18,** *No. Of Included Segments* Transaction Set Control Number: **839201081,** *Identifying Control Number*

SOUTH JERSEY GAS 810

LDC Rate Ready

Cancel

Heading

Segment Contents	Element Description
ST*810*907394579	Transaction Set Identifier Code: **810,** LDC Consolidated Bill Transaction Set Control Number: **907394579**, Identifying Control Number
BIG*20130215*20130215I01SJG18035044***40353001 4112013012401201301215**ME*01	Invoice Date: **20130215**, Date bill was issued Invoice Number: **20130215I01SJG18035044** Release Number: **40353001411201301240120130215**, Cross Reference Number of 867 Transaction Type Code: **ME**, Memorandum Transaction Set Purpose Code: **01**, Cancel
REF*OI*20130125I00SJG18121857	Reference Identification Qualifier, **OI**, Original Invoice Number Reference Identification: **20130125I00SJG18121857**

Account Level Information:

Segment Contents	Element Description
REF*12*40353001411888899999	Reference Identification Qualifier: **12**, Billing Account Reference Identification: **40353001411888899999**, GDC Account Number
REF*BF*19	Reference Identification Qualifier: **BF**, GDC Billing Cycle Reference Identification: **19**
REF*PC*LDC	Reference Identification Qualifier: **PC**, Party Calculating Charges Reference Identification: **LDC**
REF*BLT*LDC	Reference Identification Qualifier: **BLT**, Billing Type Reference Identification: **LDC**
N1*8R*DOE CORP	Entity Identifier Code: **8R**, End Use Customer Name: **DOE CORP**, Customer Name
N1*8S*SOUTH JERSEY GAS*1*051409605	Entity Identifier Code: **8S**, Consumer Service Provider Name: **SOUTH JERSEY GAS**, 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
BAL*M*YB*0	Balance Type Code, **M**, Current Month Amount Qualifier Code, **YB**, Actual Unpaid Principal Balance Monetary Amount, **0**

Rate Level Charges

Segment Contents	Element Description
IT1*1*****SV*GAS*C3*RATE	Assigned Identification, **1**, Sequential Line Item Counter Product/Service ID Qualifier, **SV**, Service Rendered Product/Service ID, **GAS** Product/Service ID Qualifier, **C3,** Classification Product/Service ID, **RATE**
DTM*150*20130107	Date/Time Qualifier: **150**, Service Period Start Date Service Period Start Date: **20130107**
DTM*151*20130124	Date/Time Qualifier: **151**, Service Period End Date Service Period End Date: **20130124**
SLN*1**A	Assigned Identification, **1**, Loop Counter Relationship Code, **A,** Add
SAC*C*F950*EU*ADJ000*36632***.385*TD*951.474* ****NATURAL GAS COMMODITY	Allowance or Charge Indicator, **C**, Charge Service, Promotion, Allowance, or Charge Code, **F950,** Rate Ready – Actual Charges Agency Qualifier Code (Used for Rate Ready Only), **EU**, Electric Utilities (Note: EU code will be used for natural gas) Energy Charges, **ADJ000,** Payment/Adjustment Amount, **36632**, Rate, **.385** Unit or Unit or Basis for Measurement Code, **TD**, Therms Quantity, **951.474** Description, **NATURAL GAS COMMODITY**

Summary:

Segment Contents	Element Description
TDS*36632	Total Monetary Value Summary, **36632**
CTT*1	Transaction Totals, **1**
SE*19*907394579	Transaction Set Identifier Code: **19,** *No. Of Included Segments* Transaction Set Control Number: **907394579,** *Identifying Control Number*

NJNG 810
LDC Consolidated Rate Ready
Original: RT Single Meter
Heading:

Segment Contents	Element Description
BIG*20121220*14356899812907712181***14356899812907712181112355MXE**ME*00	Invoice Date: **20121220**, Date bill was issued Invoice Number: **14356899812907712181** Release Number: **14356899812907712181112355MXE**, Cross Reference Number of 867 Transaction Type Code: **ME**, Memorandum Transaction Set Purpose Code: **00**, Original

Account Level Information:

Segment Contents	Element Description
REF*11*48470-53734-5-00001	Reference Identification Qualifier: **11**, Billing Account Reference Identification: **48470-53734-5-00001**, ESP Account Number
REF*12*143568998129	Reference Identification Qualifier: **12**, Billing Account Reference Identification: **143568998129**, GDC Account Number
REF*BF*09	Reference Identification Qualifier: **BF**, GDC Bill Cycle Reference Identification: **09**
REF*BLT*LDC	Reference Identification Qualifier: **BLT**, Billing Type Reference Identification: **LDC**
REF*PC*LDC	Reference Identification Qualifier: **PC**, Party Calculating Charges Reference Identification: **LDC**
N1*8S*New Jersey Natural Gas Company*1*061843553	Entity Identifier Code: **8S**, Consumer Service Provider Name: **New Jersey Natural Gas Company**, GDC Name Identification Code Qualifier: 1, D-U-N-S Identification Code: **061843553**, DUNS Number
N1*SJ*ESP COMPANY*1*101386142	Entity Identifier Code: **SJ**, Service Provider Name: **ESP Company**, 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

Rate Level Charges:

Segment Contents	Element Description
IT1*1*****SV*GAS*C3*RATE	Assigned Identification, **1**, Sequential Line Item Counter Product/Service ID Qualifier, **SV**, Service Rendered Product/Service ID, **GAS** Product/Service ID Qualifier, **C3**, Classification Product/Service ID, **RATE**
DTM*150*20121115	Date/Time Qualifier: **150**, Service Period Start Date Service Period Start Date: **20121115**

Segment Contents	Element Description
DTM*151*20121219	Date/Time Qualifier: **151**, Service Period End Date Service Period End Date: **20121219**
SLN*1**A	Assigned Identification, **1**, Loop Counter Relationship Code, **A,** Add
SAC*C*F950*EU*GEN004*5103***0.6015*TD*84.8381*****M=00571914	Allowance or Charge Indicator, **C**, Charge Service, Promotion, Allowance, or Charge Code, **F950** Rate Ready Agency Qualifier Code (Used for Rate Ready Only), **EU**, Electric Utilities (Note: EU code will be used for natural gas) Energy Charges, GEN004, Generation Charge – Billed Amount, **5103** Rate, **0.6015** Measurment Unit, **TD,** Therms Quantity, **84.831** Description, **M=00571914** (Meter Number)

Summary:

Segment Contents	Element Description
TDS*5103	Total Monetary Value Summary, **5103**
CTT*1	Transaction Totals, **1**

NJNG 810
LDC Consolidated Rate Ready
Original: SCT Single Meter
Heading:

Segment Contents	Element Description
BIG*20130114*22000939100107723130***22000939100107723130113014MXE**ME*00	Invoice Date: **20130114**, Date bill was issued Invoice Number: **22000939100107723130** Release Number: **22000939100107723130113014MXE**, Cross Reference Number of 867 Transaction Type Code: **ME**, Memorandum Transaction Set Purpose Code: **00**, Original

Account Level Information:

Segment Contents	Element Description
REF*11*53743-27200-7-00001	Reference Identification Qualifier: **11**, Billing Account Reference Identification: **53743-27200-7-00001**, ESP Account Number
REF*12*220009391001	Reference Identification Qualifier: **12**, Billing Account Reference Identification: **220009391001**, GDC Account Number
REF*BF*03	Reference Identification Qualifier: **BF**, GDC Bill Cycle Reference Identification: **09**
REF*BLT*LDC	Reference Identification Qualifier: **BLT**, Billing Type Reference Identification: **LDC**
REF*PC*LDC	Reference Identification Qualifier: **PC**, Party Calculating Charges Reference Identification: **LDC**

N1*8S*New Jersey Natural Gas Company*1*061843553	Entity Identifier Code: **8S**, Consumer Service Provider Name: **New Jersey Natural Gas Company**, GDC Name Identification Code Qualifier: 1, D-U-N-S Identification Code: **061843553**, DUNS Number
N1*SJ*ESP COMPANY*1*101386142	Entity Identifier Code: **SJ**, Service Provider Name: **ESP Company**, 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

Rate Level Charges:

Segment Contents	Element Description
IT1*1*****SV*GAS*C3*RATE	Assigned Identification, **1**, Sequential Line Item Counter Product/Service ID Qualifier, **SV**, Service Rendered Product/Service ID, **GAS** Product/Service ID Qualifier, **C3,** Classification Product/Service ID, **RATE**
REF*SJ*7.00	Reference Identification Qualfier, **SJ**, Maximum Daily Quantity (MDQ) Reference Identification, **7.00**
DTM*150*20121207	Date/Time Qualifier: **150**, Service Period Start Date Service Period Start Date: **20121207**
DTM*151*20130110	Date/Time Qualifier: **151**, Service Period End Date Service Period End Date: **20130110**
SLN*1**A	Assigned Identification, **1**, Loop Counter Relationship Code, **A,** Add
SAC*C*F950*EU*GEN004*4637***0.6390*TD*72.5696* ****M=00481741	Allowance or Charge Indicator, **C**, Charge Service, Promotion, Allowance, or Charge Code, **F950** Rate Ready Agency Qualifier Code (Used for Rate Ready Only), **EU**, Electric Utilities (Note: EU code will be used for natural gas) Energy Charges, GEN004, Generation Charge – Billed Amount, **4637** Rate, **0.6390** Measurment Unit, **TD,** Therms Quantity, **72.5696** Description, **M=00481741** (Meter Number)

Summary:

Segment Contents	Element Description
TDS*4637	Total Monetary Value Summary, **4637**
CTT*1	Transaction Totals, **1**

NJNG 810
LDC Consolidated Rate Ready
Original: CTB Single Meter
Heading:

Segment Contents	Element Description
BIG*20130114*22000910713807723130***22000910713807723130113014MXE**ME*00	Invoice Date: **20130114**, Date bill was issued Invoice Number: **22000910713807723130** Release Number: **22000910713807723130113014MXE**, Cross Reference Number of 867 Transaction Type Code: **ME**, Memorandum Transaction Set Purpose Code: **00**, Original

Account Level Information:

Segment Contents	Element Description
REF*11*83908-33105-0-00001	Reference Identification Qualifier: **11**, Billing Account Reference Identification: **83908-33105-0-00001**, ESP Account Number
REF*12*220009107138	Reference Identification Qualifier: **12**, Billing Account Reference Identification: **220009107138**, GDC Account Number
REF*BF*03	Reference Identification Qualifier: **BF**, GDC Bill Cycle Reference Identification: **03**
REF*BLT*LDC	Reference Identification Qualifier: **BLT**, Billing Type Reference Identification: **LDC**
REF*PC*LDC	Reference Identification Qualifier: **PC**, Party Calculating Charges Reference Identification: **LDC**
N1*8S*New Jersey Natural Gas Company*1*061843553	Entity Identifier Code: **8S**, Consumer Service Provider Name: **New Jersey Natural Gas Company**, GDC Name Identification Code Qualifier: 1, D-U-N-S Identification Code: **061843553**, DUNS Number
N1*SJ*ESP COMPANY*1*101386142	Entity Identifier Code: **SJ**, Service Provider Name: **ESP Company**, 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

Rate Level Charges:

Segment Contents	Element Description
IT1*1*****SV*GAS*C3*RATE	Assigned Identification, **1**, Sequential Line Item Counter Product/Service ID Qualifier, **SV**, Service Rendered Product/Service ID, **GAS** Product/Service ID Qualifier, **C3,** Classification Product/Service ID, **RATE**
REF*DQ*25.27	Reference Identification Qualifier, **DQ**, Highest Monthly Average Daily (HMAD) Reference Identification, **25.27**
REF*SJ*34.37	Reference Identification Qualifier, **SJ**, Maximum Daily Quantity (MDQ) Reference Identification, **34.37**

Segment Contents	Element Description
DTM*150*20121211	Date/Time Qualifier: **150**, Service Period Start Date Service Period Start Date: **20121211**
DTM*151*20130111	Date/Time Qualifier: **151**, Service Period End Date Service Period End Date: **20130111**
SLN*1**A	Assigned Identification, **1**, Loop Counter Relationship Code, **A,** Add
SAC*C*F950*EU*GEN004*35129***0.6387*TD*550.0386*****M=00849195	Allowance or Charge Indicator, **C**, Charge Service, Promotion, Allowance, or Charge Code, **F950** Rate Ready Agency Qualifier Code (Used for Rate Ready Only), **EU**, Electric Utilities (Note: EU code will be used for natural gas) Energy Charges, **GEN004**, Generation Charge – Billed Amount, **35129** Rate, **0.6387** Measurment Unit, **TD,** Therms Quantity, **550.0386** Description, **M=0084919** (Meter Number)

Summary:

Segment Contents	Element Description
TDS*35129	Total Monetary Value Summary, **35129**
CTT*1	Transaction Totals, **1**

NJNG 810
LDC Consolidated Rate Ready
Final: Single Meter
Heading:

Segment Contents	Element Description
BIG*20130114*14356899812907723130***14356899812907723130113014MXE**FE*00	Invoice Date: **20130114**, Date bill was issued Invoice Number: **14356899812907723130** Release Number: **14356899812907723130113014MXE**, Cross Reference Number of 867 Transaction Type Code: **FE,** Final Bill Transaction Set Purpose Code: **00**, Original

Account Level Information:

Segment Contents	Element Description
REF*11*48470-53734-5-00001	Reference Identification Qualifier: **11**, Billing Account Reference Identification: **48470-53734-5-00001**, ESP Account Number
REF*12*143568998129	Reference Identification Qualifier: **12**, Billing Account Reference Identification: **143568998129**, GDC Account Number
REF*BF*09	Reference Identification Qualifier: **BF**, GDC Bill Cycle Reference Identification: **09**
REF*BLT*LDC	Reference Identification Qualifier: **BLT**, Billing Type Reference Identification: **LDC**
REF*PC*LDC	Reference Identification Qualifier: **PC**, Party Calculating Charges

	Reference Identification: **LDC**
N1*8S*New Jersey Natural Gas Company*1*061843553	Entity Identifier Code: **8S**, Consumer Service Provider Name: **New Jersey Natural Gas Company**, GDC Name Identification Code Qualifier: 1, D-U-N-S Identification Code: **061843553**, DUNS Number
N1*SJ*ESP COMPANY*1*101386142	Entity Identifier Code: **SJ**, Service Provider Name: **ESP Company**, 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

Rate Level Charges:

Segment Contents	Element Description
IT1*1*****SV*GAS*C3*RATE	Assigned Identification, **1**, Sequential Line Item Counter Product/Service ID Qualifier, **SV**, Service Rendered Product/Service ID, **GAS** Product/Service ID Qualifier, **C3,** Classification Product/Service ID, **RATE**
DTM*150*20121115	Date/Time Qualifier: **150**, Service Period Start Date Service Period Start Date: **20121115**
DTM*151*20121119	Date/Time Qualifier: **151**, Service Period End Date Service Period End Date: **20121119**
SLN*1**A	Assigned Identification, **1**, Loop Counter Relationship Code, **A,** Add
SAC*C*F950*EU*GEN004*561***0.5810*TD*9.6498*** **M=00571914	Allowance or Charge Indicator, **C**, Charge Service, Promotion, Allowance, or Charge Code, **F950** Rate Ready Agency Qualifier Code (Used for Rate Ready Only), **EU**, Electric Utilities (Note: EU code will be used for natural gas) Energy Charges, GEN004, Generation Charge – Billed Amount, **561** Rate, **0.5810** Measurment Unit, **TD,** Therms Quantity, **9.6498** Description, **M=00571914** (Meter Number)

Summary:

Segment Contents	Element Description
TDS*561	Total Monetary Value Summary, **561**
CTT*1	Transaction Totals, **1**

NJNG 810
LDC Consolidated Rate Ready
Cancellation: Single Meter
Heading:

Segment Contents	Element Description

BIG*20121220*14356899812907712181CR***14356899 812907712181113014MXEC**ME*01	Invoice Date: **20121220**, Date bill was issued Invoice Number: **14356899812907712181** Release Number: **14356899812907712181112355MXE**, Cross Reference Number of 867 Transaction Type Code: **ME**, Memorandum Transaction Set Purpose Code: **01**, Cancel
REF*OI*14356899812907712181	Reference Identification Qualifier, **OI**, Original Invoice Number Reference Identification, **14356899812907712181**

Account Level Information:

Segment Contents	Element Description
REF*11*48470-53734-5-00001	Reference Identification Qualifier: **11**, Billing Account Reference Identification: **48470-53734-5-00001**, ESP Account Number
REF*12*143568998129	Reference Identification Qualifier: **12**, Billing Account Reference Identification: **143568998129**, GDC Account Number
REF*BF*09	Reference Identification Qualifier: **BF**, GDC Bill Cycle Reference Identification: **09**
REF*BLT*LDC	Reference Identification Qualifier: **BLT**, Billing Type Reference Identification: **LDC**
REF*PC*LDC	Reference Identification Qualifier: **PC**, Party Calculating Charges Reference Identification: **LDC**
N1*8S*New Jersey Natural Gas Company*1*061843553	Entity Identifier Code: **8S**, Consumer Service Provider Name: **New Jersey Natural Gas Company**, GDC Name Identification Code Qualifier: 1, D-U-N-S Identification Code: **061843553**, DUNS Number
N1*SJ*ESP COMPANY*1*101386142	Entity Identifier Code: **SJ**, Service Provider Name: **ESP Company**, 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

Rate Level Charges:

Segment Contents	Element Description
IT1*1*****SV*GAS*C3*RATE	Assigned Identification, **1**, Sequential Line Item Counter Product/Service ID Qualifier, **SV**, Service Rendered Product/Service ID, **GAS** Product/Service ID Qualifier, **C3,** Classification Product/Service ID, **RATE**
DTM*150*20121115	Date/Time Qualifier: **150**, Service Period Start Date Service Period Start Date: **20121115**
DTM*151*20121219	Date/Time Qualifier: **151**, Service Period End Date Service Period End Date: **20121119**

Segment Contents	Element Description
SLN*1**A	Assigned Identification, **1**, Loop Counter Relationship Code, **A,** Add
SAC*C*F950*EU*GEN004*5103***0.6015*TD*84.8381* ****M=00571914	Allowance or Charge Indicator, **C**, Charge Service, Promotion, Allowance, or Charge Code, **F950** Rate Ready Agency Qualifier Code (Used for Rate Ready Only), **EU**, Electric Utilities (Note: EU code will be used for natural gas) Energy Charges, GEN004, Generation Charge – Billed Amount, **5103** Rate, **0.6015** Measurment Unit, **TD,** Therms Quantity,**84.8381** Description, **M=00571914** (Meter Number)

Summary:

Segment Contents	Element Description
TDS*5103	Total Monetary Value Summary, **5103**
CTT*1	Transaction Totals, **1**

NJNG 810
LDC Consolidated Rate Ready
Original: Multi-Meter
Heading:

Segment Contents	Element Description
BIG*20130116*13335620552907724611***1333562055 2907724611113016IEI**ME*00	Invoice Date: **20121220**, Date bill was issued Invoice Number: **143568998129077712181** Release Number: **143568998129077712181112355MXE**, Cross Reference Number of 867 Transaction Type Code: **ME**, Memorandum Transaction Set Purpose Code: **00**, Original

Account Level Information:

Segment Contents	Element Description
REF*11*1243741692	Reference Identification Qualifier: **11**, Billing Account Reference Identification: **48470-53734-5-00001**, ESP Account Number
REF*12*133356205529	Reference Identification Qualifier: **12**, Billing Account Reference Identification: **143568998129**, GDC Account Number
REF*BF*05	Reference Identification Qualifier: **BF**, GDC Bill Cycle Reference Identification: **09**
REF*BLT*LDC	Reference Identification Qualifier: **BLT**, Billing Type Reference Identification: **LDC**
REF*PC*LDC	Reference Identification Qualifier: **PC**, Party Calculating Charges Reference Identification: **LDC**

Segment Contents	Element Description
N1*8S*New Jersey Natural Gas Company*1*061843553	Entity Identifier Code: **8S**, Consumer Service Provider Name: **New Jersey Natural Gas Company**, GDC Name Identification Code Qualifier: 1, D-U-N-S Identification Code: **061843553**, DUNS Number
N1*SJ*ESP COMPANY*1*101386142	Entity Identifier Code: **SJ**, Service Provider Name: **ESP Company**, 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

Rate Level Charges: Meter 1

Segment Contents	Element Description
IT1*1*****SV*GAS*C3*RATE	Assigned Identification, **1**, Sequential Line Item Counter Product/Service ID Qualifier, **SV**, Service Rendered Product/Service ID, **GAS** Product/Service ID Qualifier, **C3,** Classification Product/Service ID, **RATE**
REF*DQ*97.81	Reference Identification Qualifier, **DQ**, Highest Monthly Average Daily (HMAD) Reference Identification, **97.81**
REF*SJ*133.02	Reference Identification Qualifier, **SJ**, Maximum Daily Quantity (MDQ) Reference Identification, **133.02**
DTM*150*20121211	Date/Time Qualifier: **150**, Service Period Start Date Service Period Start Date: **20121211**
DTM*151*20130114	Date/Time Qualifier: **151**, Service Period End Date Service Period End Date: **20130114**
SLN*1**A	Assigned Identification, **1**, Loop Counter Relationship Code, **A,** Add
SAC*C*F950*EU*GEN004*153526***0.7719*TD*1988.9310*****M=00657721	Allowance or Charge Indicator, **C**, Charge Service, Promotion, Allowance, or Charge Code, **F950** Rate Ready Agency Qualifier Code (Used for Rate Ready Only), **EU**, Electric Utilities (Note: EU code will be used for natural gas) Energy Charges, **GEN004**, Generation Charge – Billed Amount, **153526** Rate, **0.7719** Measurment Unit, **TD,** Therms Quantity,**1988.9310** Description, **M=00657721** (Meter Number)

Rate Level Charges: Meter 2

Segment Contents	Element Description

IT1*2*****SV*GAS*C3*RATE	Assigned Identification, **1**, Sequential Line Item Counter Product/Service ID Qualifier, **SV**, Service Rendered Product/Service ID, **GAS** Product/Service ID Qualifier, **C3,** Classification Product/Service ID, **RATE**
REF*DQ*109.78	Reference Identification Qualifier, **DQ**, Highest Monthly Average Daily (HMAD) Reference Identification, **97.81**
REF*SJ*149.30	Reference Identification Qualifier, **SJ**, Maximum Daily Quantity (MDQ) Reference Identification, **133.02**
DTM*150*20121211	Date/Time Qualifier: **150**, Service Period Start Date Service Period Start Date: **20121211**
DTM*151*20130114	Date/Time Qualifier: **151**, Service Period End Date Service Period End Date: **20130114**
SLN*1**A	Assigned Identification, **1**, Loop Counter Relationship Code, **A,** Add
SAC*C*F950*EU*GEN004*178023***0.7719*TD*2306.3022*****M=00582462	Allowance or Charge Indicator, **C**, Charge Service, Promotion, Allowance, or Charge Code, **F950** Rate Ready Agency Qualifier Code (Used for Rate Ready Only), **EU**, Electric Utilities (Note: EU code will be used for natural gas) Energy Charges, **GEN004**, Generation Charge – Billed Amount, **178023** Rate, **0.7719** Measurment Unit, **TD,** Therms Quantity,**2306.3022** Description, **M=00582462** (Meter Number)

Summary:

Segment Contents	Element Description
TDS*331549	Total Monetary Value Summary, **331549**
CTT*2	Transaction Totals, **2**