New York Implementation Standard

Standard **E**lectronic

Transactions

TRANSACTION SET

810 Invoice

Single Retailer Model

Ver/Rel 00401

NY810 Invoice – Single Retailer - Draft Revisions for 9/12/2014 Meeting

	Summary of Changes
July 19, 2006	Release 2.0
October 23, 2014	Version 2.1
Version 2.1	VEISION 2.1
	Utility specific notes are generalized, as appropriate, and designated for relocation to/reference within Utility Maintained EDI Guides, as necessary.
	Replaced references to Marketer and E/M with ESCO.

	Notes pertaining to the use of this document
Purpose	This 810 Single Retailer Invoice Transaction Set is used to transmit billing information to the ESCO/Marketer for charges due to the Utility. These standards are based on the ASC X12 Ver/Rel 004010 standard and related UIG guidelines.
Several types of 810 transactions used in Single Retailer Model	 At this time, National Fuel Gas Distribution Corporation is the only utility offering the Single Retailer Model. Up to three (3) different types of 810 billing transactions may be transmitted under the Single Retailer Model. The acronym 'EURC' refers to End Use Retail Customer: 810 EURC Cycle Invoice will contain the individual charge information for end use retail customers based on cycle billings. This invoice is used to provide detail that the ESCO can use for EURC billing. 810 EURC Calendar Month Estimate Invoice will contain individual charge information for end use retail customers based on a calendar month estimate. For NFG these invoices provide detail that the ESCO can use to reconcile their monthly summary invoices. ESCO Summary Invoice will contain charges (business-to-business charges assessed by the Utility and payable by the ESCO/Marketer) that are unrelated to specific EURC accounts, as well as a summarization of the individual EURC charges. This Invoice will also contain the total balance due from the ESCO/Marketer and the date payment is expected. This is the invoice that should be used as the basis for payment. The Utility assigned account number for the ESCO/Marketer (REF*AJ) sent in an ESCO Summary Invoice must be included in any documentation accompanying the ESCO/Marketer's payment(s) to the Utility. NFG will send this invoice on a calendar month basis, along with the EURC Calendar Month Estimate Invoices.
Validation Fields	 EURC invoices may be validated using the customer's utility account number (with check digit, if included) sent in REF*12. The ESCO Summary Invoice does not contain any utility customer account numbers. The Utility account number for the ESCO/Marketer (with check digit, if included), sent in REF*AJ, should be used to validate ESCO Summary Invoice transactions.
One or multiple accounts per 810 Invoice	Each EURC invoice transaction may contain only one account for one commodity (i.e. electric, gas, etc.). The ESCO Summary Invoice may contain bill information related to either or both commodities.

Data	- For the FUDG Cools Investigated and the first the Old August 1
Dates	 For the EURC Cycle Invoice, the period start date in the 810 must match the earliest period start date indicated in DTM*150 in the QTY loop(s) of the applicable PTD loop sent in the corresponding 867. For the EURC Cycle Invoice, the period end date in the 810 must match the latest period end date indicated in DTM*151 in the QTY loop(s) of the applicable PTD loop sent in the corresponding 867. For the EURC Calendar Month Estimate Invoice, the dates are beginning and ending dates for the calendar month the CME is for. For the ESCO Summary Invoice, the date segments are optional. The DTM*009 will be used to send the date that an adjustment was applied to the account.
Purchase Order	The EURC Cycle or Calendar Month Estimate Invoice transaction will be
Number	linked to the corresponding ESCO Summary Invoice through the use of a common Purchase Order number (sent in BIG04) on both transactions. Refer to the gray box notes for the BIG04 element in this guide for more information.
BAL Segments	 BAL segments are only sent in an 810 ESCO Summary Invoice. There are four BAL segments in the Single Retailer 810 Invoice Transaction Standard. These four segments work in concert with each other to communicate details about the balance on the ESCO/Marketers account with the Utility.
	 The BAL*P*YB (Prior Balance) is the amount sent in the Total Outstanding Balance segment (BAL*M*YB) is the previous ESCO Summary Invoice. The BAL*P*TP (Total Payments and Refunds) is the sum of all payments made and refunds applied since the last ESCO Summary Invoice. The details for each individual payment and/or refund is sent in a PAM segment (see below). The BAL*M*9J (Beginning Balance) is the sum of the amount sent in the Prior Balance segment (BAL*P*YB) and the amount sent in the Total Payments and Refunds segment (BAL*P*TP). The BAL*M*YB (Total Outstanding Balance) is the sum of the amount sent in the Beginning Balance segment (BAL*M*9J) plus the amount sent in the TDS segment of the Summary Invoice.

Rejection

- An 810 EURC Invoice transaction may be rejected via a 997 transaction for syntax errors or missing/invalid data segments/elements. These invoices may also be rejected, via an 824 Application Advice transaction, when:
 - ➤ EURC Invoice contains an invalid Utility Account Number for the end use customer (Account number not valid for E/MESCO)
 - EURC Invoice contains charges associated with the wrong commodity (Account does not have service requested with E/MESCO)
 - ➤ EURC Invoice contains a cross reference number in the BIG05 element that does not match the reference number previously sent in the corresponding 867 transaction (Cycle Invoice Only)
- An 810 ESCO Summary Invoice transaction may be rejected via a 997 transaction for syntax errors or missing/invalid data segments/elements. Please refer to the Implementation Guide for the 997 for a list of possible rejection codes. This transaction may also be rejected, via an 824 Application Advice transaction, when it contains an invalid account number for the ESCO/Marketer or charges associated with the wrong commodity (a gas marketer receives an invoice containing electric charges).
- The Utility will contact the ESCO/Marketer directly to resolve the problem when an ESCO Summary Invoice has been rejected. In some instances a corrected Summary Invoice may be sent.

PAM Segment	 A PAM segment is sent in an 810 ESCO Summary Invoice to communicate the date and amount of each payment or refund included in the amount sent in the Total Payments and Refunds BAL segment (BAL*P*TP). There may be more than one PAM segment in an ESCO Summary Invoice or, when there are no payments or refunds applicable for the period covered by the Summary Invoice, no PAM segment will be sent.
Previous Utility Account Number	• The REF*45 segment has been removed from this Implementation Guide. The utility currently offering the Single Retailer model does not have account numbers that would change due to re-folio, therefore, this segment would never be used.
SLN Loop	 Each SLN Loop is comprised of one SLN segment and one corresponding SAC segment. The SLN segment is used as a loop counter for the SAC segment. Multiple SLN loops may be sent per IT1 loop. The amounts sent in SAC05 in the SAC segment within an SLN loop must apply at the level defined in IT109. When no charges exist at the level defined in IT109 in an IT1 loop, an SLN loop will not be sent. For example, when all taxes are applied at an ACCOUNT level but other charges are applied at the RATE or GASPOOL level, the IT1 Loop where IT109=ACCOUNT will contain a TXI segment but will not contain an SLN loop. The SLN03 element in the SLN segment is always equal to 'A' for 'Add'. This data element is required by X12 when an SLN segment is sent. The SLN03 code value "Add" should not be confused with a similar code value sent in the TXI07 element, or with values sent in an SAC01 element, that are used to indicate when an amount should be included or excluded when summing the invoice total in the TDS segment.
ITI Loop	 Multiple IT1 Loops may be sent in each 810 Invoice transaction. The IT1 Loop contains an IT1 segment. This segment is used to indicate whether billed amounts contained in the IT1 Loop apply to the entire account (IT109=ACCOUNT), apply to a rate (IT109=RATE) or apply to a specific gas pool (IT109=GASPOOL). The TXI segment is a data segment within the IT1 loop. The SLN loop (see below) is within the IT1 loop. When tax amounts are sent in the TXI02 element of the TXI segment, the taxes must apply at the level defined in the IT109 element. When no taxes were applied at the level defined in the IT109 element a TXI segment should not be sent in that IT1 loop. For example, when all taxes were applied at an account level, an IT1 loop where IT109=RATE would not contain a TXI segment. Each IT1 Loop that is sent must contain either a TXI Segment or an SLN loop, and may contain both, with amounts that apply at the level defined in the IT109 element.

810 Original/Cancel

- The EURC Cycle Invoice or Calendar Month Estimate Invoice may be either an original invoice or a cancel invoice transaction. An ESCO Summary Invoice transaction will always be an original invoice.
- The 810 Original EURC Cycle or Calendar Month Estimate Invoice (BIG08 = 00) or the 810 Cancel EURC Cycle or Calendar Month Estimate Invoice (BIG08 = 01) must cross-reference the corresponding 867 usage transaction by sending the reference number originally sent in the BPT02 element of the original 867 transaction in the BIG05 element of the Invoice.
- An 810 Cancel EURC Cycle or Calendar Month Estimate Invoice must also cross-reference the original 810 invoice transaction. The Cancel transaction must contain a REF*OI (Original Invoice Number) segment and the REF02 element must contain the reference number sent in the BIG02 element from the original 810 Invoice.
- When usage is cancelled via an 867 Cancel Usage transaction, the utility must also transmit an 810 Cancel EURC Cycle or Calendar Month Estimate Invoice to cancel the charges related to the usage cancelled in the 867 Cancel Usage transactions.
- The 810 Cancel Invoice will only cancel those charges that applied to usage in the Original Invoice. For example, a switching charge applied to the EURC, which needs to be reversed would be an adjustment and not a cancelled charge.
- The TDS segment must be sent in 810 Cancel Invoice transactions to indicate the total amount of charges and taxes being cancelled. TDS01 will equal the total of TXI02 and SAC05 where TXI07 = A for 'Add' and SAC01 = C for 'Charge'.
- When a customer is re-billed after an 867 Usage transaction and its corresponding 810 Invoice have been canceled, a new 867 Usage transaction and a new 810 Invoice must be sent to the ESCO/Marketer. Each trading partner must process all 867 Cancel transactions prior to processing 867MU original usage transactions.

SAC Segment

- This segment contains all Charges and/or Adjustments, other than tax amounts, presented on the invoice.
- SAC01 is used to indicate the disposition of amounts sent in the SAC05 element. Amounts sent are to be treated as either "Charge" items or "No Charge" items depending on the code sent in SAC01.
- Typically the SAC08 multiplied by the SAC10 will equal the SAC05. However, in certain situations the SAC08 x SAC10 will not equal SAC05. For example, amounts calculated for prorated periods or when the minimum demand is greater than the peak demand for the reported period.
- Charge items "Charge" items are monetary amounts displayed in SAC05 that should be included in the invoice total sent in TDS01. SAC01 should indicate 'C' for 'Charge' when the charges in SAC05 should be included in the invoice total displayed in TDS01.
- No Charge items "No Charge" items are monetary amounts displayed in SAC05 that should NOT be included in the invoice total sent in TDS01. SAC01 should indicate 'N' for 'No Charge' when the charges in SAC05 should NOT be included in the invoice total display in TDS01.
- SAC08, SAC09 and SAC10 are dependant elements. If one is sent then the others must always be sent.
- SAC15 will always be sent and will provide a more detailed text description of the charge amount.
- For the ESCO Summary Invoice transaction, the total of the TDS segments from the corresponding EURC Cycle or Calendar Month Estimate Invoices will be sent in an SAC segment where SAC04 equals DIS005 - Total Invoiced Distribution Charges. These amounts will include the TDS amount from both original and cancel EURC Invoices.

Data Element Attributes

- Data elements whose X12 attribute type is 'R' (for example the TXI02 or the SAC08 elements) are treated as real numbers. Real numbers are assumed to be positive numbers and a minus (-) sign must precede the amount when a negative number is being sent. Real numbers do NOT provide for an implied decimal position; therefore a decimal point must be sent when decimal precision is required. Note that in transmitting real numbers it is acceptable, but not necessary, to transmit digits that have no significance i.e. leading or trailing zeros:
- ➤ a value of one hundred dollars and twenty cents (\$100.20) could be transmitted as 100.2 in an SAC05 element.

➤ a value of one cent (\$0.01) could be transmitted as .01 in an SAC05 element.

➤ a value of one hundred dollars and zero cents (\$100.00) could be transmitted as 100 in an SAC05 element.

 \triangleright a value of minus one hundred dollars and zero cents (-\$100.00) could be transmitted as -100.00 in an SAC05 element.

➤ a value of minus one hundred dollars and twenty cents (-\$100.20) could be transmitted as -100.2 in an SAC05 element.

• Data elements whose X12 attribute type is 'N' are treated as numbers with implied decimal precision. Similar to real numbers (described above), type "N" numbers are assumed to be positive numbers and a minus (-) sign must precede the amount when a negative number is being sent. A decimal point should NOT be sent in an implied decimal field. The number following the 'N' in the attribute column for a particular data element indicates the placement of the decimal. For example, the SAC05 element attribute column states "N2 1/15" which indicates that the number of digits following the implied decimal is "2" and amounts sent in this element must contain a minimum of 1 digit and a maximum of 15 digits. For these elements, an EDI translator is expected to expand the values received to include the decimal position indicated which in this example is "2".

• In the examples shown below, the recipients translator is expected to determine the correct decimal position as specified in the attribute and map,
as is appropriate, for the application data field. In situations where the number of received digits is less than the specified decimal precision the receiving translation is expected to insert zeros as necessary to arrive at the specified decimal precision.
a value of one hundred dollars and four cents (\$100.04) would be transmitted as 10004 in an SAC05 element.
SAC~N~~EU~BUD002~ 10004 ~~~25.01~EA~4~~~BUDGET SETTLEMEN AMT
a value of one cent (\$0.01) would be transmitted as 1 in and SAC05 element.
SAC~N~~EU~BUD002~ 1 ~~~.01~EA~1~~~BUDGET SETTLEMENT AMT
a value of one hundred dollars and zero cents (\$100.00) would be transmitted as 10000 in an SAC05 element.
SAC~N~~EU~BUD002~ 10000 ~~~25.00~EA~4~~~BUDGET SETTLEMENT AMT
 The term Utility or LDC (Local Distribution Company) is used in this document to refer to the local gas or electric distribution company, i.e. the entity providing regulated bundled commodity service. The term ESCO/Marketer is used in this document to refer to either a gas or electric supplier. The principal parties involved in this Transaction Set 810 implementation guide are:
 The end-use customer (Code 8R) The Utility (LDC) (Code 8S) The Supplier (ESCO/Marketer or E/MESCO) (Code SJ).
• All of the applicable business rules for New York are not necessarily documented in this implementation guide. Accordingly, the <i>Billing Business Process Document for Single Retailer</i> and the <i>810 Single Retailer Invoice Data Dictionary</i> should be reviewed where further clarification is needed. Further information regarding the processing of EDI transactions may be found in the <i>Technical Operating Profile for Electronic Data Interchange in New York</i> .

Implementation Guideline Field Descriptions

REF Reference Identification (Utility Customer Account **Segment:**

Position: 050

Loop:

Level: Heading

Optional (Must Use) Usage:

Max Use:

Purpose: To specify identifying information

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

If either C04003 or C04004 is present, then the other is requi

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

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

Comments:

Notes: Required

> The Utility account number assigned to the customer is used for validation and must be present on all

transactions.

REF~12~011231287654398

12

This section shows the X12 Rules for this segment, with the exception of the Usage and Max Use fields. which include NY rules. For Usage, "Optional (Must Use)" means that the segment is Optional for X12, but required for NY.

This section displays the NY Rules for implementation of this segment.

One or more examples.

Attributes

M ID 2/3

X AN 1/30

Data Element Summary

Ref. Data

Element Name Des. **Reference Identification Qualifier** REF01 128

Billing Account

REF02 contains the Utility-assigned account

number for the customer.

Must REF02 127 **Reference Identification**

Utility assigned customer account number

The utility account number must be supplied without spaces or non-alphanumeric characters. (Character

n visible procentation on a bill, for example, shy

ening to aid moved)

This column documents differences between X12 and NY use for each data element:

Mand. (Mandatory) – Required by X12

Must Use – Required by NY

Cond. (Conditional)

Optional

Mand.

These columns show the X12 attributes for each data element:

M = Mandatory

O = Optional

X = Conditional

AN = Alphanumeric

N# = Implied Decimal

ID = Identification

R = Real

DT = Date (CCYYMMDD)

1/30 = Minimum 1, Maximum 30

N810SR v2.0-1 (4010) 2014July 19, 2006

810 Invoice - Single Retailer Model

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.

Notes:

This transaction set standard defines the requirements for the 810 Invoices sent by the Utility to the ESCO Marketer under the Single Retailer model.

Heading:

	Page No. 3	Pos. <u>No.</u> 010	Seg. ID ST	<u>Name</u> Transaction Set Header	Req. <u>Des.</u> M	Max.Use	Loop <u>Repeat</u>	Notes and Comments
	4	020	BIG	Beginning Segment for Invoice	M	1		
	6	050	REF	Reference Identification (Original Invoice Number)	О	1		
	7	050	REF	Reference Identification (Utility Customer Account Number)	O	1		
1	8	050	REF	Reference Identification (Utility Account Number for the ESCO/Marketer)	О	1		
				LOOP ID - N1			1	
	9	070	N1	Name (ESCO/ Marketer)	О	1		
				LOOP ID - N1			1	
	10	070	N1	Name (Utility)	О	1		
				LOOP ID - N1			1	
	11	070	N1	Name (Customer)	O	1		
	12	130	ITD	Terms of Sale/Deferred Terms of Sale	О	1		
	13	212	BAL	Balance Detail (Prior Balance)	O	1		
	14	212	BAL	Balance Detail (Total Payments and Refunds)	O	1		
	15	212	BAL	Balance Detail (Beginning Balance)	O	1		
	16	212	BAL	Balance Detail (Total Outstanding Balance)	O	1		
	17	214	PAM	Period Amount (Payment Posted or Refund Applied)	О	>1		

Detail:

Page <u>No.</u>	Pos. <u>No.</u>	Seg. <u>ID</u>	Name	Req. <u>Des.</u>	Max.Use	Loop Repeat	Notes and Comments
			LOOP ID - IT1			200	
19	010	IT1	Baseline Item Data (Charge Level)	O	1		
21	040	TXI	Tax Information	O	10		
22	120	REF	Reference Identification (Bill Cycle)	O	1		
23	120	REF	Reference Identification (Utility Rate Service Class)	О	1		
24	120	REF	Reference Identification (Utility Rate Subclass)	O	1		
25	120	REF	Reference Identification (Gas Pool ID)	О	1		
26	150	DTM	Date/Time Reference (Period Start Date)	O	1		

NY810 Invoice – Single Retailer <u>- Draft Revisions for 9/12/2014 Meeting</u>

27	150	DTM	Date/Time Reference (Period End Date)	О	1		
			LOOP ID - SLN			1000	
28	200	SLN	Subline Item Detail (Item Counter)	О	1		
30	205	DTM	Date/Time Reference (Process Date)	О	1		
31	230	SAC	Service, Promotion, Allowance, or Charge Information (Charges/Adjustments)	O	1		

Summary:

Page <u>No.</u> 35	Pos. <u>No.</u> 010	Seg. <u>ID</u> TDS	<u>Name</u> Total Monetary Value Summary	Req. <u>Des.</u> M	Max.Use	Loop <u>Repeat</u>	Notes and Comments
36	070	CTT	Transaction Totals	O	1		n1
37	080	SE	Transaction Set Trailer	M	1		
E-1			Examples				

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.

NY810 Invoice – Single Retailer <u>- Draft Revisions for 9/12/2014 Meeting</u>

Segment: ST Transaction Set Header

Position: 010

Loop:

Level: Heading Usage: Mandatory

Max Use:

Purpose: To indicate the start of a transaction set and to assign a control number

Syntax Notes: Semantic Notes:

1 The transaction set identifier (ST01) is used by the translation routines of the interchange

partners to select the appropriate transaction set definition (e.g., 810 selects the Invoice

Transaction Set).

Comments:

Notes: Required

ST~810~000000001

Data Element Summary

Ref. Data Des. Element <u>Name</u> **Attributes** Transaction Set Identifier Code Mand. **ST01** 143 ID 3/3810 Invoice Mand. **ST02** 329 **Transaction Set Control Number** M AN 4/9 Identifying control number assigned by the originator of a transaction set. This

Identifying control number assigned by the originator of a transaction set. This identifier must be unique for each transaction set within a functional group.

Segment: BIG Beginning Segment for Invoice

Position: 020

Loop:

Level: Heading Usage: Mandatory

Max Use:

Purpose: To indicate th

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: Required

BIG~20060201~123567890120010201~~123456789~2048392934504~~ME~00

Dof	Doto	Data	Element Summary				
		Name		Attributes			
BIG01	373	Date		M DT 8/8			
		Transaction creatio	n date in sender's system.				
BIG02	76	Invoice Number		M AN 1/22			
		-	•	riginator of this			
DICOA	224			O AN 1/00			
BIG04	324			O AN 1/22			
		an EURC Cycle Inv					
BIG05	328			O AN 1/30			
		•	<u> </u>				
BIG07	640		**	O ID 2/2			
		CI	Consolidated Invoice				
			This code is required to identify the 810	ESCO			
		F) (
		EM		ELID C C 1 1			
			1	EURC Calendar			
		FE					
			This code is used in an 810 EURC Cycl	e Invoice to			
			identify a final invoice when either the c				
				the customer's			
		ME					
				Cycle Invoices			
			when the invoice is NOT the final invoice				
			customer for the recipient of the transac				
			invoices will be identified by the code "	FE" (see above).			
	BIG02 BIG04 BIG05	Des. BIG01 Element 373 BIG02 76 BIG04 324 BIG05 328	Ref. Data Des. Element BIG01 373 Date Transaction creation BIG02 76 Invoice Number A unique transaction. This is not reason transaction. This is not reason. This is element will be ESCO Summary In Month Estimate an an EURC Cycle In Release Number This element is the element of the 867 usage/consumption in the Invoice trans EURC Cycle Invoice EURC Calendar Mesco Summary In ESCO Summary In ES	Ref. Des. BIG01 Transaction creation date in sender's system. BIG02 76 Invoice Number A unique transaction identification number assigned by the o transaction. This number must be unique over time. BIG04 324 Purchase Order Number This element will be sent in the EURC Calendar Month Estin ESCO Summary Invoices. This element is used to link the E Month Estimate and the ESCO Summary Invoices. This element is used to link the E an EURC Cycle Invoice. Release Number This element is the cross-reference number originally transm element of the 867 Monthly Usage transaction containing the usage/consumption information that is the basis for the charg in the Invoice transaction. EURC Cycle Invoice: EURC Calendar Month Estimate: EURC Calendar Month Estimate: Required ESCO Summary Invoice: Not Applicable Transaction Type Code CI Consolidated Invoice This code is required to identify the 810 Summary Invoice. EM Estimate of Record This code is required to identify an 810 Month Estimate Invoice. FE Memorandum, Final Bill This code is used in an 810 EURC Cycl identify a final invoice when either the switched to another ESCO-Marketer or account has been closed by the utility. ME Memorandum This code will be present in 810 EURC when the invoice is NOT the final invoice.			

Must Use	BIG08	353	Transactio	n Set Purpose Code	O	ID 2/2
			00	Original		
			01	Cancellation		
				EURC Cycle Invoice: Used when cainvoice/transaction. EURC Calendar Month Estimate: Uthe invoice/transaction. ESCO Summary Invoice: Not Used	sed wher	

 $\textbf{Segment:} \quad \textbf{REF} \,\, \textbf{Reference Identification} \,\, \textbf{(Original Invoice Number)} \\$

Position: 050

Loop:

Level: Heading

Usage: Optional (Dependent)

Max Use: 1

Purpose: To specify identifying information

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

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: Comments:

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

Notes: Conditional

Required in cancel transactions (BIG08=01) for EURC Cycle and EURC Calendar Month Estimate Invoices. This segment is Not Used in ESCO Summary Invoices.

This segment will contain the BIG02 element from the original 810 invoice transaction.

REF~OI~123456789019990102

Mand.	Ref. <u>Des.</u> REF01	Data Element 128	<u>Name</u> Reference Identific	cation Qualifier	Attı M	ributes ID 2/3
			OI	Original Invoice Number		
				REF02 contains the Original Invoice National invoice being canceled.	umbe	r of the
Must Use	REF02	127	Reference Identific	cation	X	AN 1/30
			Original Invoice Nu	ımber		

REF Reference Identification (Utility Customer Account Number) **Segment:**

Position: 050

Loop:

Level: Heading

Optional (Dependent) Usage:

Max Use:

To specify identifying information

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

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

Notes:

Conditional

EURC Cycle Invoice: Required EURC Calendar Month Estimate: Required ESCO Summary Invoice: Not Used

The Utility account number assigned to the end use customer is used for validating EURC Cycle and EURC Calendar Month Estimate Invoices and must be present in those transactions.

This segment is not required in an 810 ESCO Summary Invoice.

REF~12~011231287654398

Data Element Summary

Mand.	Ref. <u>Des.</u> REF01	Data <u>Element</u> 128	Name Reference Identification Qualifier			ributes ID 2/3
			12	Billing Account		
				REF02 contains the Utility-assigne the customer.	d account	number for
Must Use	REF02	127	Reference Id	entification	X	AN 1/30
			The utility ac	ed customer account number count number must be supplied without int neric characters. (Characters added to aid i	_	•

on a bill, for example, should be removed)

Segment: REF Reference Identification (Utility Account Number for the ESCO/Marketer)

Position: 050

Loop:

Level: Heading

Usage: Optional (Must Use)

Max Use: 1

Purpose: To specify identifying information

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

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

Notes:

Required

This number is used as a reference number by the Utility and must be sent on all Invoice transactions.

This account number is used by the Utility to record all billing activity associated with a specific ESCO/Marketer. This is the number used to validate ESCO Summary Invoice transactions. To ensure proper posting of payments, this number should be included in all payment transactions transmitted to the Utility by the ESCO/Marketer.

REF~AJ~3134597

Mand.	Ref. <u>Des.</u> REF01	Data Element 128	<u>Name</u> Reference Identific	cation Qualifier	Attı M	ributes ID 2/3	
			AJ	Accounts Receivable Customer Account	t		
				REF02 contains the Utility-assigned acc the ESCO/Marketer.	ount	number for	
Must Use	REF02	127	Reference Identification		X	AN 1/30	
			Utility assigned account number for the ESCO/Marketer				

Segment: N1 Name (ESCO/Marketer)

Position: 070

Loop: N1 Optional (Must Use)

Level: Heading

Usage: Optional (Must Use)

Max Use:

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: Required

N1~SJ~~24~123456789

N1~SJ~ESP COMPANY~24~123456789

Mand.	Ref. <u>Des.</u> N101	Data <u>Element</u> 98	<u>Name</u> Entity Identifier C	ode	Attı M	ributes ID 2/3
			SJ	Service Provider		
				Identifies the ESCO /Marketer participat transaction.	ing ii	n this
Optional	N102	93	Name		X	AN 1/60
			Free Form ESCO/N	Carketer Company Name		
			identification of the completion of the tribetween trading par		agre	ssful ement
Must Use	N103	66	Identification Code	e Qualifier	X	ID 1/2
			1	D-U-N-S Number, Dun & Bradstreet		
			9	D-U-N-S+4, D-U-N-S Number with For Suffix	ur Ch	aracter
			24	Employer's Identification Number		
				Federal Tax ID		
Must Use	N104	67	Identification Code		X	AN 2/80
			The D-U-N-S numb	er or the Federal Tax ID		

 $\textbf{Segment:} \qquad \pmb{N1} \ \ \textbf{Name} \ (\textbf{Utility})$

Position: 070

Loop: N1 Optional (Must Use)

Level: Heading

Usage: Optional (Must Use)

Max Use:

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: Required

N1~8S~~24~012345678

N1~8S~UTILITY COMPANY~24~912345678

Mand.	Ref. <u>Des.</u> N101	Data <u>Element</u> 98	Name Entity Identifier C	Code		ributes ID 2/3
			8S	Consumer Service Provider (CSP)		
				Identifies the Utility participating in this	s tran	saction.
Optional	N102	93	Name		X	AN 1/60
			Free Form Utility C	Company Name		
Must Use	N103	66	identification of the		succe	ssful
			1	D-U-N-S Number, Dun & Bradstreet		
			9	D-U-N-S+4, D-U-N-S Number with Fo Suffix	ur Ch	aracter
			24	Employer's Identification Number		
				Federal Tax ID		
Must Use	N104	67	Identification Cod	e	X	AN 2/80
			The D-U-N-S numl	per or the Federal Tax ID		

 $\textbf{Segment:} \quad N1 \ \ \textbf{Name} \ (\textbf{Customer})$

Position: 070

Loop: N1 Optional (Dependent)

Level: Heading

Usage: Optional (Dependent)

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.

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: Conditional

EURC Cycle Invoice: Required

EURC Calendar Month Estimate: Required

ESCO Summary Invoice: Not Used

N1~8R~JOHN SMITH

N1~8R~DAIMLER-BENZ NA CORP

Mand.	Ref. <u>Des.</u> N101	Data Element 98	Name Entity Identifier (Code	Attı M	ributes ID 2/3
			8R	Consumer Service Provider (CSP) Cust	omer	
				REF02 contains the name of the end use targeted by this transaction.	e cust	omer
Must Use	N102	93	Name		X	AN 1/60
			Customer Name			

Segment: ITD Terms of Sale/Deferred Terms of Sale

Position: 130

Loop:

Level: Heading

Usage: Optional (Dependent)

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.

If ITD08 is present, then at least one of ITD04 ITD05 or ITD13 is required.

If ITD09 is present, then at least one of ITD10 or ITD11 is required.

Semantic Notes: Comments: ITD15 is the percentage applied to a base amount used to determine a late payment charge.
 If the code in ITD01 is "04", then ITD07 or ITD09 is required and either ITD10 or ITD11 is

If the code in 11D01 is 04, then 11D07 of 11D09 is required and either 11D10 of 11D

required; if the code in ITD01 is "05", then ITD06 or ITD07 is required.

Notes: Conditional

EURC Cycle Invoice: Not Used EURC Calendar Month Estimate: Not Used ESCO Summary Invoice: Required

This is the date payment is due on an 810 ESCO Summary Invoice

ITD~~~~20060215

Data Element Summary

Ref. Data

Des. Element Name

Must Use ITD06 446 Terms Net Due Date

Attributes

O DT 8/8

Payment due date for the invoice.

Position: 212

Loop:

Level: Heading

Usage: Optional (Dependent)

Max Use:

Purpose: To identify the specific monetary balances associated with a particular account

Syntax Notes: Semantic Notes: Comments:

Notes: Conditional

EURC Cycle Invoice: Not Used

EURC Calendar Month Estimate: Not Used ESCO Summary Invoice: Required

BAL~P~YB~500.55

			Data E	dement Summary			
	Ref.	Data					
	Des.	Element	<u>Name</u>		<u>Attr</u>	<u>ributes</u>	
Mand.	BAL01	951	Balance Type Code		M	ID 1/2	
			P	Previous Month			
Mand.	BAL02	522	Amount Qualifier (Code	M	ID 1/3	
			YB	Actual Unpaid Principal Balance			
				Amount sent in Total Outstanding Balar	ice se	egment of	
				the previous ESCO Summary Invoice			
Mand.	BAL03	782	Monetary Amount		M	R 1/18	
			Amount of E/MESCOs balance from previous invoice before applying any payments/adjustments or current charges.				
				ount must be preceded by a negative sign. all point is not implied and must be sent in		-	

Segment: BAL Balance Detail (Total Payments and Refunds)

Position: 212

Loop:

Level: Heading

Usage: Optional (Dependent)

Max Use:

Purpose: To identify the s

Syntax Notes: Semantic Notes: Comments: To identify the specific monetary balances associated with a particular account

Notes:

Conditional

This segment is used to report the total amount of payments received from the ESCO/Marketer and refunds applied to the ESCO/Marketer's account since the last

Summary Invoice was sent.

Each individual payment and/or refund will be sent in a PAM segment.

EURC Cycle Invoice: Not Used EURC Calendar Month Estimate: Not Used ESCO Summary Invoice: Required

BAL~P~TP~450.56

Data Element Summary

	Ref.	Data				
	Des.	Element	<u>Name</u>		Attr	<u>ibutes</u>
Mand.	BAL01	951	Balance Type Code	•	\mathbf{M}	ID 1/2
			P	Previous Month		
Mand.	BAL02	522	Amount Qualifier (Amount Qualifier Code		ID 1/3
			TP	Total payment amount		
				Total payments and refunds		
Mand.	BAL03	782	Monetary Amount		M	R 1/18

Amount of Total Payments and Refunds

Segment: BAL Balance Detail (Beginning 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: Conditional

EURC Cycle Invoice: Not Used

EURC Calendar Month Estimate: Not Used

ESCO Summary Invoice: Required

The Beginning Balance is equal to the Prior Balance less Total Payments and Refunds

BAL~M~J9~49.99

Data Element Summary

	Ref. Des.	Data Element	Name			ributes
Mand.	BAL01	951	Balance Type Code		M	ID 1/2
			M	Current Month		
Mand.	BAL02	522	Amount Qualifier	Code	M	ID 1/3
			J9	Beginning Balance		
				This is the balance prior to this billing. ESCO/Marketer is paid in total, this wi		ero.
Mand.	BAL03	782	Monetary Amount	•	M	R 1/18

Amount of Beginning Balance

Segment: ${\bf BAL}$ Balance Detail (Total Outstanding Balance)

Position: 212

Loop:

Level: Heading

Usage: Optional (Dependent)

Max Use:

Purpose: To identify the specific monetary balances associated with a particular account

Syntax Notes: Semantic Notes:

Comments:

Notes: Conditional

EURC Cycle Invoice: Not Used

EURC Calendar Month Estimate: Not Used

ESCO Summary Invoice: Required

Total Outstanding Balance is equal to the Beginning Balance plus the amount sent in the

TDS segment in this Invoice.

BAL~M~YB~248.74 BAL~M~YB~-150.00

Data Element Summary

	Ref.	Data			
	Des.	Element	<u>Name</u>		<u>Attributes</u>
Mand.	BAL01	951	Balance Type Code		M ID 1/2
			M	Current Month	
Mand.	BAL02	522	Amount Qualifier (Code	M ID 1/3
			YB	Actual Unpaid Principal Balance	
				The ESCO/Marketer's total outstanding what the ESCO/Marketer owes from properiods plus the current billing period of	evious billing
Mand.	BAL03	782	Monetary Amount		M R 1/18

Amount of ESCO/Marketer's total outstanding balance.

Segment: PAM Period Amount (Payment Posted or Refund Applied)

Position: 214

Loop:

Level: Heading

Usage: Optional (Dependent)

Max Use: >1

Purpose: To indicate a quantity, and/or amount for an identified period

Syntax Notes: 1 If any of PAM01 PAM02 or PAM03 is present, then all are required.

- 2 At least one of PAM02 PAM05 or PAM14 is required.
- 3 If either PAM04 or PAM05 is present, then the other is required.
- 4 If either PAM06 or PAM07 is present, then the other is required.
- 5 If PAM07 is present, then at least one of PAM08 or PAM09 is required.
- **6** If PAM07 is present, then PAM06 is required.
- 7 If PAM08 is present, then PAM07 is required.
- **8** If PAM09 is present, then PAM07 is required.
- 9 If PAM10 is present, then at least one of PAM11 or PAM12 is required.
- 10 If PAM11 is present, then PAM10 is required.
- 11 If either PAM13 or PAM14 is present, then the other is required.
- **Semantic Notes:** 1 PAM10, PAM11, or PAM12 are used when two dates are required.
 - 2 PAM15 indicates whether the monetary amount identified in PAM05 is a net or gross value. A "Y" indicates amount is a gross value; an "N" indicates amount is a net value.

Comments:

Ref

Notes: Conditional

EURC Cycle Invoice: Not Used EURC Calendar Month Estimate: Not Used

ESCO Summary Invoice: Required if payments are received or refunds are

applied

Data

This segment is used to report payments that are received from the ESCO/Marketer for previous Summary Invoices and/or refunds that may result from posting entries to the ESCO/Marketer's account that result in a credit balance.

PAM~~~QZ~100.00~PD~009~20020719 (Payment) PAM~~~BAR~-50.00~PD~009~20020719 (Refund)

Data Element Summary

	Des.	Element	<u>Name</u>	Attı	ributes
Must Use	PAM04	522	Amount Qualifier Code	X	ID 1/3
			Used to differentiate between a payment and a refund.		

BAR Amount to be Refunded

The Refund code is only used when the utility has also made a financial transaction to transfer money to the ESCO/Marketer (such as cutting a check for an overpayment). Refunds will show in the PAM segment

as a negative amount.

QZ Payment Amount

Must Use PAM05 782 Monetary Amount

X R 1/18

Amount paid (typically positive) or refunded (typically negative).

NY810 Invoice – Single Retailer <u>- Draft Revisions for 9/12/2014 Meeting</u>

Must Use	PAM06	344	Unit of Time Period or Interval		X	ID 2/2
			PD	Period to Date		
Must Use	PAM07	374	Date/Time Q	Date/Time Qualifier		ID 3/3
			009	Process		
Must Use	PAM08	373	Date		X	DT 8/8
			Date the payment was posted or the refund was applied.			

Segment: IT1 Baseline Item Data (Charge Level)

Position: 010

Loop: IT1 Optional (Must Use)

Level: Detail

Usage: Optional (Must Use)

Max Use:

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.

- 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: Comments:

- IT101 is the purchase order line item identification.
- 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: Required

The IT109 element in this segment is used to differentiate the "type" of loop that is present. Please read each type below to determine which type is applicable.

EURC Cycle Invoice - Sent at the "ACCOUNT" and/or "RATE" level.

EURC Calendar Month Estimate - Sent at the "ACCOUNT" level.

ESCO Summary Invoice - Sent at the "ACCOUNT" and/or "GASPOOL" level.

For example, National Fuelas specified in its Utility Maintained EDI Guide, a utility that supports Single Retailer will send one IT1 Loop for each Gas Pool and one IT1 Loop for all Account level charges.

ACCOUNT: Charges/taxes are applicable to the entire account. There may be only one account loop in each Invoice transaction.

EURC Cycle Invoice: Required
EURC Calendar Month Estimate: Required
ESCO Summary Invoice: Required

<u>RATE:</u> Charges/taxes are applicable at a utility rate class level. One IT1 Loop will be provided for each rate (the rate class will be identified in the REF~NH segment).

EURC Cycle Invoice: Not Used at this time EURC Calendar Month Estimate: Not Used at this time Not Used at this time

GAS POOL ID: Charges/taxes are applicable at a Gas Pool ID level. One IT1 Loop will be sent for each Gas Pool ID (the Gas Pool ID is sent in the REF~VI segment).

EURC Cycle Invoice: Not Used EURC Calendar Month Estimate: Not Used ESCO Summary Invoice: Required

IT1~1~~~SV~GAS~C3~ACCOUNT

	Ref.	Data				
	Des.	Element	<u>Name</u>		Attı	<u>ributes</u>
Must Use	IT101	350	Assigned Identification			AN 1/20
			A sequential line ite transaction.	em counter used to differentiate between I	T1 lc	oops in a
Must Use	IT106	235	Product/Service II) Qualifier	X	ID 2/2
			SV	Service Rendered		
Must Use	IT107	234	Product/Service II)	X	AN 1/48
			There may be only one commodity (Electric or Gas) for each EURC 810 Invoice transaction. The code "BOTH" may be sent in an 810 ESCO Sum Invoice.			
			BOTH	Both Services (used only in ESCO Sum	mary	Invoice)
			EL	Electric Service		
			GAS	Gas Service		
Must Use	IT108	235	Product/Service II) Qualifier	X	ID 2/2
			C3	Classification		
Must Use	IT109	234	Product/Service II)	X	AN 1/48
			ACCOUNT	Charges/Taxes at an Account Level		
			GASPOOL	Charges/Taxes at a Gas Pool ID Level		
			RATE	Charges/Taxes at a Rate Level		

Segment: TXI Tax Information

Position: 040

Loop: IT1 Optional (Must Use)

Level: Detail

Usage: Optional (Dependent)

Max Use: 10

Purpose: To specify tax information

Syntax Notes: 1 At least one of TXI02 TXI03 or TXI06 is required.

If either TXI04 or TXI05 is present, then the other is required.

3 If TXI08 is present, then TXI03 is required.

Semantic Notes: 1 TXI02 is the monetary amount of the tax.

2 TXI03 is the tax percent expressed as a decimal.

3 TXI07 is a code indicating the relationship of the price or amount to the associated segment.

Comments:

Notes: Required when taxes have been applied at the level defined in IT109.

TXI~LS~12.00~.06~~~A~200

	Ref.	Doto	Duta E	acment Summary			
	Des.	Data <u>Element</u>	Name		A +++	ibutes	
Mand.	<u>Des.</u> TXI01	963	Tax Type Code			ID 2/2	
wianu.	17101	703	GR	Gross Receipts Tax	141	110 2/2	
				-			
			LS	State and Local Sales Tax			
			PG	State or Provincial Tax on Goods			
				Gas Import Tax			
			SC	School Tax			
Must Use	TXI02	782	Monetary Amount		X	R 1/18	
			Calculated Tax Amo				
			If negative, this amount must be preceded by a negative sign. If a decimal point				
0.4	TTTT 0.0	0=4		nal point is not implied and must be sent i			
Optional	TXI03	954	Percent		X	R 1/10	
			Percent or Rate pres	sented as a decimal, e.g., 6% will be expre	essed	as .06	
			If negative, this amount must be preceded by a negative sign. If a decimal point				
				nal point is not implied and must be sent i			
Must Use	TXI07	662	Relationship Code		O	ID 1/1	
Wast Osc	12107	002	A	Add	J	10 1/1	
			Α	The amount in the TXI02 is included when the transfer of the t	han a	imming the	
				invoice total in TDS01. "A" may also be		_	
				correcting previously reported amounts			
				amount appears in TXI02.	WIICI	e a create	
			O	Information Only			
				The amount in the TXI02 is ignored wh	en su	mming the	
				invoice total in TDS01.		8 -	
Optional	TXI08	828	Dollar Basis For Po	ercent	O	R 1/9	
			Dollar amount or vo	blume that the percentage in TXI03 is being	ng ap	plied against	
			to determine the total tax in TXI02.				
			The amount sent in TXI08 multiplied by the percent in TXI03 should equal the				
			calculated tax amount sent in TXI02. If negative, this amount must be				
			preceded by a negative sign. If a decimal point is needed, the decimal point is not implied and must be sent in the transaction.				
			not implied and mus	st be sent in the transaction.			

Segment: ${\bf REF}$ Reference Identification (Bill Cycle)

Position: 120

Loop: IT1 Optional (Must Use)

Level: Detail

Usage: Optional (Dependent)

Max Use: 1

Purpose: To specify identifying information

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

If either C04003 or C04004 is present, then the other is required.
 If either C04005 or C04006 is present, then the other is required.

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

Semantic Notes: Comments:

Notes: Conditional

EURC Cycle Invoice: Required

EURC Calendar Month Estimate: Not Used

ESCO Summary Invoice: Not Used

REF~BF~12

Mand.	Ref. <u>Des.</u> REF01	Data Element 128	Name Reference Identification Qualifier		Attı M	ributes ID 2/3
			BF	Billing Center Identification		
				Bill Cycle		
Must Use	REF02	127	Reference Identification		X	AN 1/30
			Bill Cycle			

Segment: REF Reference Identification (Utility Rate Service Class)

Position: 120

Loop: IT1 Optional (Must Use)

Level: Detail

Usage: Optional (Dependent)

Max Use: 1

Purpose: To specify identifying information

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

If either C04003 or C04004 is present, then the other is required.
 If either C04005 or C04006 is present, then the other is required.

Semantic Notes: Comments:

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

Notes: Conditional

EURC Cycle Invoice: Required EURC Calendar Month Estimate: Required ESCO Summary Invoice: Not Used

REF~NH~RS1

Data Element Summary

Ref. Data
Des. Element Name
Mand. REF01 128 Reference Identification Qualifier
NH Rate Card Number

REF02 contains the Utility specific rate code that references the service class and rates applicable to this

service delivery point.

Must Use REF02 127 Reference Identification X AN 1/30

Utility Rate Service Class code as found in the tariff. (This code can be used to

retrieve rates from a utility's web site.)

Segment: REF Reference Identification (Utility Rate Subclass)

Position: 120

Loop: IT1 Optional (Must Use)

Level: Detail

Usage: Optional (Dependent)

Max Use: 1

Purpose: To specify identifying information

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

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

Semantic Notes: Comments:

Notes: Conditional

EURC Cycle Invoice: Required if applicable EURC Calendar Month Estimate: Required if applicable

ESCO Summary Invoice: Not Used

REF~PR~RSHT

	Ref.	Data				
	Des.	Element	<u>Name</u>		Attr	<u>ributes</u>
Mand.	REF01	128	Reference Identification Qualifier		M	ID 2/3
			PR	Price Quote Number		
				Utility Rate Subclass		
Must Use	REF02	127	Reference Identification		X	AN 1/30
			Utility Rate Subclass, which provides further classification of a tariff specified in the REF where REF01=NH.			

Segment: REF Reference Identification (Gas Pool ID)

Position: 120

Loop: IT1 Optional (Must Use)

Level: Detail

Usage: Optional (Dependent)

Max Use:

Purpose: To specify identifying information

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

If either C04003 or C04004 is present, then the other is required.
 If either C04005 or C04006 is present, then the other is required.

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

Semantic Notes: Comments:

Notes: Conditional

EURC Cycle Invoice: Optional EURC Calendar Month Estimate: Optional

ESCO Summary Invoice: Required when IT109=GASPOOL.

REF~VI~123456789

Data Element Summary

Ref. Data Des. **Element Name Attributes Reference Identification Qualifier** M ID 2/3 Mand. REF01 128 Pool Number Gas Pool ID's are assigned to a gas marketer by the Utility and are used to define a unique sub-grouping of X AN 1/30 **Must Use** REF02 127 **Reference Identification**

Gas Pool ID associated with the charges in the IT1 loop

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

Position: 150

IT1 Loop: Optional (Must Use)

Level: Detail

Usage: Optional (Dependent)

Max Use:

Purpose: To specify pertinent dates and times

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

If DTM04 is present, then DTM03 is required.

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

Semantic Notes: Comments:

Notes:

Conditional

EURC Cycle Invoice: Required

Note: The period start date in the 810 must match the earliest period start date indicated

in the QTY loop(s) of the corresponding 867.

EURC Calendar Month Estimate: Required

Note: The period start date in the 810 will be the first day of the month.

ESCO Summary Invoice: Optional

DTM~150~20060106

	Ref. <u>Des.</u>	Data <u>Element</u>	Name		Attı	ibutes
Mand.	$\overline{DTM01}$	374	Date/Time	Qualifier	M	ID 3/3
			150	Service Period Start		
Must Use	DTM02	373	Date		X	DT 8/8
			Date in CC	YYMMDD format.		

Segment: \mathbf{DTM} Date/Time Reference (Period End Date)

Position: 150

Loop: IT1 Optional (Must Use)

Level: Detail

Usage: Optional (Dependent)

Max Use: 1

Purpose: To specify pertinent dates and times

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

2 If DTM04 is present, then DTM03 is required.

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

Semantic Notes: Comments:

Notes: Conditional

EURC Cycle Invoice: Required

Note: The period end date in the 810 must match the latest period end date indicated in

the QTY loop(s) of the corresponding 867.

EURC Calendar Month Estimate: Required

Note: The period end date in the 810 will be the last day of the month.

ESCO Summary Invoice: Optional

DTM~151~20060204

	Ref. Des.	Data <u>Element</u>	Name			ributes
Mand.	DTM01	374	Date/Time	e Qualifier	M	ID 3/3
			151	Service Period End		
Must Use	DTM02	373	Date		X	DT 8/8
			Date in CC	CYYMMDD format.		

Segment: SLN Subline Item Detail (Item Counter)

Position: 200

Loop: SLN Optional (Dependent)

Level: Detail

Usage: Optional (Dependent)

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.

- 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:

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:

Conditional

All charge data with the exception of tax information is sent in an SLN loop which contains two segments - an SLN and an SAC segment. It is not necessary to send an SLN loop when tax information is the only information being sent for a specific level (ACCOUNT, RATE OR GASPOOL). The SLN segment, however, must be sent when charge data is being sent in an SAC segment. Multiple charges require multiple SLN loops. The SLN segment is used as a sequential loop 'counter' to order the SAC segments sent in an 810 transaction.

SLN~1~~A

Followed by an SAC segment

SLN~2~~A

Followed by the next SAC segment, etc.

Data Element Summary

Ref. Data <u>Des. Element</u>

Des.ElementNameAttributesMand.SLN01350Assigned IdentificationM AN 1/20

This element is a sequential item counter and is a number denoting the placement of this SLN loop in a transaction i.e. 1=this is the first SLN loop, 2=this is the second SLN loop, etc.

Mand. SLN03 662 Relationship Code

M ID 1/1

The relationship code always equals 'A'. This data element is required by X12 when the SLN segment is used. (Note: An 'A' in SLN03 is NOT used to indicate if a charge in the SAC will be included or excluded in the TDS. Instead, the code in SAC01 is used to communicate the disposition of charges.)

A Add

Segment: DTM Date/Time Reference (Process Date)

Position: 205

Loop: SLN Optional (Dependent)

Level: Detail

Usage: Optional (Dependent)

Max Use: 1

Purpose: To specify pertinent dates and times

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

2 If DTM04 is present, then DTM03 is required.

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

Semantic Notes: Comments:

omments: Notes:

Conditional

This segment will be sent to provide the date an adjustment identified in the SAC segment was applied to the account of an EURC or to the ESCO/Marketer's account.

EURC Cycle Invoice: Optional EURC Calendar Month Estimate: Optional ESCO Summary Invoice: Optional

DTM~009~20060204

	Ref. Des.	Data Element	Name		A tt	ributes
Mand.	<u>DCS.</u> DTM01	374	Date/Time Qualifi	ier	M	ID 3/3
			009	Process		
				Date that adjustment was applied.		
Must Use	DTM02	373	Date		X	DT 8/8
			Date in CCYYMM	IDD format.		

Segment: SAC Service, Promotion, Allowance, or Charge Information (Charges/Adjustments)

Position: 230

Loop: SLN Optional (Dependent)

Level: Detail

Usage: Optional (Dependent)

Max Use:

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:

Dof

Conditional

Data

This segment is required when transmitting charge data other than tax information. The SAC segment is used to describe a specific charge/allowance item. In the Single Retailer Model, SAC04 will be used to generally categorize charges, credits, etc. and the SAC15, will be used to more a more detailed description of the actual charge, credit, etc.

SAC~C~~EU~BAS001~601~~~.2733~DA~22~~~~Basic Service: 22 days@ \$.2733 SAC~C~~EU~BAS001~1851~~~.19084~TD~97~~~~NEXT 97 THERMS (Prorated Example)

Mand.	Des. SAC01	Element 248	Name Allowance or	Charge Indicator M	tributes ID 1/1
			C	Charge	
			N	No Allowance or Charge	
				The amount sent in the SAC05 element is ig summing the invoice total in the TDS01 element.	•

Must Use	SAC03	559	Agency Qualifier	Code	X	ID 2/2
			EU	Electric Utilities		
				Used for electric and combination utilit	ies.	
			GU	Natural Gas Utilities		
				Used for gas utilities.		
Must Use	SAC04	1301	Agency Service, P	romotion, Allowance, or Charge Code	X	AN 1/10
			ADJ002	Adjustment		
			BAS001	Customer Charge		
			BAS002	Special Billing Charge		
			CRE001	Credit		
			DIS002	Gas Delivery Charge		
			DIS005	Total Invoiced Distribution Charge		
				The total EURC charges		
			DMD001	Demand Charge (Electric)		
			DMD002	Contract Demand Charge		
			DMD024	Summer Demand		
			DMD025	Winter Demand		
			DMD028	Demand Charge (Gas)		
				This is a charge for gas being held in re		
				use customer (a.k.a. Stand-by Charge)	This c	charge is
			DMD029	assessed regardless of actual usage. Shoulder Demand		
			DMD030	Stand-by Sales		
			BINIBOSO	Total charges for the volume of gas act	ıallv	purchased
				by the marketer for customers on a stan		
				relates to DMD028.		
			DMD031	Daily Demand Charge		
				Daily as used demand for customers wi		
				metering shall be the daily maximum m during on peak hours.	etere	d demand
			DSC001	Discount		
			ENC001	Energy Charge		
			ENC002	Energy Tier Charge		
			ENC003	Off Peak Energy Charge		
			ENC039	On Peak Energy Charge		
			ENC042	Shoulder Energy Charge		
			FAC001	Equipment and Service Charge		
			FFR001	Non-metered service (other than lights)		
			IBC020	City Gate Imbalance		
				GAS ONLY: Total city gate imbalance	charg	ges based
				on the volume of gas purchased to corre	ct an	imbalance
			LPC001	situation. Late Payment Charge		
			LICOUI	EURC Cycle Invoice: Not U	Ised	
				EURC Calendar Month Estimate: Not U		
				ESCO Summary Invoice: Option		
			MAD001	Minimum Bill		
			MAD004	Minimum Demand Charge		
			MSC001	Miscellaneous Charge		
			MSC016	Storage Procurement Charge or Credit		
			MSC017	Storage Transmission Charge, Credit or	Adju	ıstment
			MSC024	Public Purpose Program		

				System Benefits Charge
			MSC037	Weather Normalization Charge or Credit
				A charge or credit based on actual degree days in the billing period compared to normal temperatures for that period.
			MSC038	Take or Pay Charge
			MSC039	GAS ONLY: This is a provision in natural gas sales contracts which requires a purchaser to take, or if not taken, to pay for a certain quantity of pipeline capacity. Balancing Services Charge
				GAS ONLY: Charge for providing balancing services
			ODL002	Street Lighting
			ODL003	Traffic Signals
			RES001	Core Subscription Reservation Charge
				GAS ONLY: Total charges related to the release of upstream pipeline capacity for use by marketer.
			SER003	Customer Switching Charge
			SUR008	Interstate Transition Cost Surcharge
				GAS ONLY: Total transition charges calculated for an EURC Account. These charges are separate from transportation charges. They represent upstream pipeline costs that occur as part of implementing FERC Order 636.
			TRS001	Transfer from Account to Account
				Monetary funds applied to an account by transferring from another account
Must Use	SAC05	610	Amount	O N2 1/15
				djustment amount. nount must be preceded by a negative sign. Note that this is field; do NOT send the decimal point.
Typically, the amount sent in SAC08 multiplied by the amount sen		· •		

Typically, the amount sent in SAC08 multiplied by the amount sent in SAC10 will equal the SAC05 amount.

Cond. SAC08 118 Rat

Rate

O R 1/9

If the SAC08, SAC09 or SAC10 are populated, all three must be populated.

Typically, the SAC08 multiplied by the SAC10 would equal the SAC05. However, in certain situations, SAC08 multiplied by SAC10 will not equal SAC05. For example, when charge amounts are sent for prorated periods they may not equal, or when the minimum demand is higher than peak demand for the reported period.

If negative, this amount must be preceded by a negative sign. If a decimal point is needed, the decimal point is not implied and must be sent in the transaction.

Cond.	SAC09	355	Unit or Basis for Measurement Code		X	ID 2/2
			If the SAC08, SAC	09 or SAC10 are populated, all three must	t be p	opulated.
			DA	Days		
			EA	Each		
			HH	Hundred Cubic Feet		
				Ccf		
			K1	Kilowatt Demand		
			K2	Kilovolt Amperes Reactive Demand		
			K3	Kilovolt Amperes Reactive Hour		
			K4	Kilovolt Amperes		
			K5	Kilovolt Amperes Reactive		
			K7	Kilowatt		
			KH	Kilowatt Hour		
			MO	Months		
			TD	Therms		
			TZ	Thousand Cubic Feet		
			YR	Years		
Cond.	SAC10	380	Quantity		X	R 1/15
			Consumption or Qu	antity		
			If the CACOS CAC	09 or SAC10 are populated, all three must	ho r	anulated
			II tile SACOO, SACO	09 of SAC to are populated, an timee musi	ı be ţ	oopulated.
			Typically, the SAC	08 multiplied by the SAC10 would equal	the S	AC05.
			However, in certain	situations, SAC08 multiplied by SAC10	will 1	not equal
				ble, when charge amounts are sent for pror		
			may not equal, or when the minimum demand is higher than peak demand for		demand for	
			the reported period.			
			If negative, this amo	ount must be preceded by a negative sign.	Ifa	decimal point
			is needed, the decin	nal point is not implied and must be sent in	n the	transaction.
Must Use	SAC15	352	Description		X	AN 1/80
			More detailed text of	description for the amount sent in SAC05.		

Segment: TDS Total Monetary Value Summary

Position: 010

Loop: Level:

Level: Summary Usage: Mandatory

Max Use:

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:

TDS02 is required if the dollar value subject to discount is not equal to the dollar value of TDS01.

Required

Notes:

The TDS segment is used to transmit the sum of the charge(s) sent in SAC05 elements plus the tax amounts sent in TXI02 elements in this invoice EXCLUDING amounts sent in SAC05 that were coded as "N" in the SAC01 element OR amounts sent in TXI02 that were coded as "O" in the TXI07 element.

TDS~19875 The sum of the charges/taxes in this invoice is \$198.75.

Data Element Summary

	Ref.	Data		
	Des.	Element	<u>Name</u>	<u>Attributes</u>
Mand.	TDS01	610	Amount	M N2 1/15

The total of amounts to be billed contained in this invoice.

If negative, this amount must be preceded by a negative sign. Note that this is an implied decimal field, do NOT send the decimal point.

Segment: CTT Transaction Totals

Position: 070

Loop:

Level: Summary

Usage: Optional (Must Use)

Max Use:

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:

Mand.

Comments: 1 This segment is intended to provide hash totals to validate transaction completeness and

correctness.

Notes: Required

CTT~2

Data Element Summary

Ref. Data

Des.ElementNameAttributesCTT01354Number of Line ItemsM N0 1/6

The number of IT1 segments in this invoice.

NY810 Invoice – Single Retailer <u>- Draft Revisions for 9/12/2014 Meeting</u>

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: Required

SE~35~000000001

	Ref.	Data		
	Des.	Element	<u>Name</u>	<u>Attributes</u>
Mand.	SE0 1	96	Number of Included Segments	M N0 1/10
Mand.	SE02	329	Transaction Set Control Number	M AN 4/9

EXAMPLES

These examples are presented for illustrative purposes. Although they are syntactically correct with respect to the published transaction standard for the <u>TS810 Single Retailer Invoice</u>, it should be understood that these examples reflect certain assumptions regarding optional and conditional data segments in this standard and therefore, may not an accurate reflection of the content of a transaction transmitted by a specific utility. It should also be noted that the dollar amounts and/or rates for charges and taxes in each scenario are purely hypothetical and were not intended to be representative of the actual charges or rates that may be assessed by a specific utility.

Scenario 1: EURC Cycle Invoice, EURC Calendar Month Estimate, ESCO Summary Invoice Part A: Cycle Invoice at Account level

BIG*20060315*20060315*20060315*20001***86704013**ME* 00! REF*12*3456789! REF*343887987! NI*SI*E-MESCO NAME*1*123456789! NI*SI*E-MESCO NAME*1*123456789! NI*SI*E-MESCO NAME*1*123456789! NI*SI*E-MESCO NAME*1*123456789! NI*SI*MARY JONES! Customer Name IT1*1****SV*GAS*C3*ACCOUNT! TXI*LS*9.72*.035****A*277.71! Sales tax; amount; rate; Tax is Additive; basis on which the tax is calculated TXI*GR*11.8*.0443759***A*265.92! REF*NH*13M-1! REF*PR*21708! REF*PR*21708! DTM*150*20060215! DTM*151*20060314! SIN*1*A! SAC*C**GU*DIS002*24089***.2311804*HH*1042* *****GAS DELIVERY CHARGE (TRANSP. ONL.Y)! SAC*C**GU*SUR008*1126***.0108061*HH*1042* *****SAC*C**GU*SUR008*1126***.0108061*HH*1042* SAC*C**GU*MSC037*2246***.02155451*HH*1042 *****NATION CHARGE! SLN*4**A! SAC*C**GU*MSC037*2246***.02155451*HH*1042 *****WEATHER NORMALIZATION CHARGE! SLN*4**A! SAC*C*GU*MSC037*2246***.02155451*HH*1042 *****WEATHER NORMALIZATION CHARGE! TDS*28744! Total charges Number, Cycle Invoice, Original account number for the customer Number, Cycle Invoice, Original account number for the customer Number, Cycle Invoice, Original account number for the customer Utility assigned account number for the customer PAMESCO Name and DUNS number Utility name and DUNS number Utility name and DUNS number Outside Account level Sac Charge(s) billed at the account level Sales tax; amount; rate; Tax is Additive; basis on which the tax is calculated Transition at the account level Sales tax; amount; rate; Tax is Additive; basis on which the tax is calculated Transition at the account level Sales tax; amount; rate; Tax is Additive; basis on which the tax is calculated Transition at the account level Sales tax; amount; rate; Tax is Additive; basis on which the tax is calculated Transition of Action at the account level Sales tax; amount; ate; Tax is Additive; basis on which the tax is calculated Transition of Lax acculated Charge Indicator, gas utility; charge type is Interstate Transition Charge or Credit; Amount; Rate; U	ST*810*000001!	Transaction Set header; transaction defined is an 810 ; control number assigned by originator
00! Number; Cycle Invoice; Original Invoice REF*12*3456789! Utility assigned account number for the customer REF*AJ*8887987! Utility assigned account number for the EMESCO N1*SJ*EMESCO NAME*1*123456789! EMESCO Name and DUNS number N1*8S*NATIONAL FUEL*1*987693210! Utility Name and DUNS number N1*8S*MARY JONES! Customer Name T1*1*****SV*GAS*C3*ACCOUNT! TX]*LS*9,72*.035****A*277.71! Gas Charge(s) billed at the account level TXI*SP*9,72*.035***A*277.71! Sales tax; amount; rate; Tax is Additive; basis on which the tax is calculated TXI*GR*11.8*.0443759***A*265.92! Gross Receipts Tax REF*PR*20! Bill Cycle REF*NH*13M-1! Utility Rate Class REF*VI*100202! Gas Pool DTM*150*20060215! Service period start date DTM*151*20060314! Service period start date DTM*151*20060314! Service period start date SAC*C**GU*DIS002*24089***.2311804*HH*1042* *****GAS DELIVERY CHARGE (TRANSP. ONLY)! SLN*2**A! Charge Indicator, gas utility; charge type is Gas Delivery Charge; Amount; Rate; Unit of Measure; Consumption; Text Description SLN*2**A! Charge Indicator; gas utility; charge type is Interstate Transition Cost Surcharge; Amount; Rate; Unit of Measure; Consumption; Text Description SLN*3**A! Charge Indicator; gas utility; charge type is Weather Normalization Charge or Credit; Amount; Rate; Unit of Measure; Consumption; Text Description SLN*4**A! Fourth SLN Segment Charge Indicator; gas utility; charge type is Take or Pay Charge; Amount; Rate; Unit of Measure; Consumption; Text Description TDS*28744! Total charges CTT*!	DIC*20060315*20060315CI0001***86704012**ME*	
REF*12*3456789! REF*A1*8887987! REF*A1*8887987! REF*A1*8887987! N1*81*EAGE ONAME*1*123456789! N1*81*EAGE ONAME*1*123456789! N1*88*NATIONAL FUEL*1*987693210! RIT*1*****SV*GAS*C3*ACCOUNT! TXI*LS*9.72*.035****A*277.71! Sales tax; amount; rate; Tax is Additive; basis on which the tax is calculated TXI*GR*11.8*.0443759***A*265.92! REF*BF*20! REF*PR*21708! REF*PR*21708! REF*PR*21708! REF*PVI*100202! DTM*150*20060215! DTM*150*20060215! DTM*150*20060314! SAC*C**GU*DIS002*24089***.2311804*HH*1042* *****GAS DELIVERY CHARGE (TRANSP. ONLY)! SAC*C**GU*SUR008*1126***.0108061*HH*1042* *****TAKE OR PAY CHARGE! SAC*C*GU*MSC037*2246***.02155451*HH*1042 *****WEATHER NORMALIZATION CHARGE! SAC*C*GU*MSC037*2246***.0083397*HH*10 42*****TAKE OR PAY CHARGE! TOS*28744! Number of TIT segments		
REF*AJ*8887987! N1*SJ*EMESCO NAME*1*123456789! N1*SS*NATIONAL FUEL*1*987693210! N1*SS*NATIONAL FUEL*1*987693210! N1*SS*NATIONAL FUEL*1*987693210! N1*SS*NATIONAL FUEL*1*987693210! Utility Name and DUNS number Customer Name Gas Charge(s) billed at the account level Sales tax; amount; rate; Tax is Additive; basis on which the tax is calculated TX1*LS*9.72*.035****A*277.71! Sales tax; amount; rate; Tax is Additive; basis on which the tax is calculated TX1*GR*11.8*.0443759****A*265.92! REF*BF*20! REF*BF*20! REF*PNH*13M-1! Utility Rate Class REF*PR*21708! REF*PR*21708! REF*PN*21708! REF*VI*100202! Gas Pool DTM*150*20060215! Service period start date Service period and date SLN*1**A! SAC*C**GU*DIS002*24089***2311804*HH*1042* *****GAS DELIVERY CHARGE (TRANSP. ONLY)! SAC*C**GU*SUR008*1126***.0108061*HH*1042* ****INTERSTATE TRANSITION COSTS (TRAN CHARGE)! SAC*C**GU*MSC037*2246***.02155451*HH*1042* *****WEATHER NORMALIZATION CHARGE! SLN*4**A! SAC*C**GU*MSC037*2246***.02155451*HH*1042* *****WEATHER NORMALIZATION CHARGE! SLN*4**A! SAC*C**GU*MSC037*.869***0083397*HH*10 42*****TAKE OR PAY CHARGE! TOBS*28744! Charge Indicator; gas utility; charge type is Weather Pay Charge; Amount; Rate; Unit of Measure; Consumption; Text Description Charge Indicator; gas utility; charge type is Take or Pay Charge; Amount; Rate; Unit of Measure; Consumption; Text Description Charge Indicator; gas utility; charge type is Take or Pay Charge; Amount; Rate; Unit of Measure; Consumption; Text Description Charge Indicator; gas utility; charge type is Take or Pay Charge; Amount; Rate; Unit of Measure; Consumption; Text Description Charge Indicator; gas utility; charge type is Take or Pay Charge; Amount; Rate; Unit of Measure; Consumption; Text Description Charge Indicator; gas utility; charge type is Take or Pay Charge; Amount; Rate; Unit of Measure; Consumption; Text Description Total charges Number of IT1 segments	***	
N1*SJ*EAMESCO NAME*1*123456789! N1*SS*NATIONAL FUEL*1*987693210! N1*8R*MARY JONES! Customer Name TT1*1****SV*GAS*C3*ACCOUNT! Gas Charge(s) billed at the account level Sales tax; amount; rate; Tax is Additive; basis on which the tax is calculated TXI*LS*9.72*.035****A*265.92! Gross Receipts Tax REF*BF*20! REF*BF*20! REF*NR*13M-1! Utility Rate Class REF*PR*21708! REF*PR*21708! REF*VI*100202! Gas Pool DTM*150*20060215! DTM*150*20060215! Service period start date SLN*1**A! SAC*C**GU*DIS002*24089***.2311804*HH*1042* *****GAS DELIVERY CHARGE (TRANSP. ONLY)! SAC*C**GU*SUR008*1126***.0108061*HH*1042* *****INTERSTATE TRANSITION COSTS (TRAN CHARGE)! SAC*C**GU*MSC037*2246***.02155451*HH*1042* *****WEATHER NORMALIZATION CHARGE! SLN*4**A! SAC*C**GU*MSC037*-869***0083397*HH*10 42*****TAKE OR PAY CHARGE! TDS*28744! CTT*! Number of IUIity Name and DUNS number Utility Name and DUNS number Utility Name and DUNS number Utility Name and DUNS number Utility Name and DUNS number Utility Name and DUNS number Outsity Name and DUNS number Utility Name and DUNS number Outsity Name and		
N1*8S*NATIONAL FUEL*1*987693210! N1*8R*MARY JONES! Customer Name ITI*1*****SV*GAS*C3*ACCOUNT! TX*LS*9.72*.035****A*277.71! Sales tax; amount; rate; Tax is Additive; basis on which the tax is calculated TX!*GR*11.8*.0443759****A*265.92! Gross Receipts Tax REF*BF*20! Bill Cycle REF*PH*13M-1! Utility Rate Class REF*PNH*13M-1! Utility Rate Subclass REF*VI*100202! Gas Pool DTM*150*20060215! Service period start date DTM*151*20060314! SLN*1***! SAC*C**GU*DIS002*24089***.2311804*HH*1042* *****GAS DELIVERY CHARGE (TRANSP. ONLY)! SAC*C**GU*SUR008*1126***.0108061*HH*1042* *****INTERSTATE TRANSITION COSTS (TRAN CHARGE)! SAC*C**GU*MSC037*2246***.02155451*HH*1042 *****WEATHER NORMALIZATION CHARGE! SAC*C**GU*MSC037*-869***.0083397*HH*10 42*****TAKE OR PAY CHARGE! TDS*28744! CTT*1! Utility Name and DUNS number Customer Name Custome		
N1*8R*MARY JONES! Customer Name		
TII*I*****SV*GAS*C3*ACCOUNT! Gas Charge(s) billed at the account level		
TXI*LS*9.72*.035****A*277.71! Sales tax; amount; rate; Tax is Additive; basis on which the tax is calculated TXI*GR*11.8*.0443759****A*265.92! REF*BF*20! REF*BF*20! REF*NH*13M-1! Utility Rate Class REF*PR*21708! REF*VI*100202! DTM*150*20060215! DTM*151*20060314! Scrvice period start date DTM*151*20060314! SAC*C**GU*DIS002*24089***.2311804*HH*1042* *****GAS DELIVERY CHARGE (TRANSP. ONLY)! SLN*2**A! SAC*C**GU*SUR008*1126***.0108061*HH*1042* *****INTERSTATE TRANSITION COSTS (TRAN CHARGE)! SLN*2**A! SAC*C**GU*MSC037*2246***.02155451*HH*1042* *****WEATHER NORMALIZATION CHARGE! SAC*C**GU*MSC037*2246***.0083397*HH*10 SLN*4**A! SAC*C**GU*MSC037*869***0083397*HH*10 42*****TAKE OR PAY CHARGE! TDS*28744! Total charges Number of IT1 segments		
the tax is calculated TXI*GR*11.8*.0443759****A*265.92! REF*BF*20! REF*NH*13M-1! REF*NH*13M-1! DTM*150*20060215! DTM*150*20060314! Service period start date DTM*151*20060314! Service period end date SAC*C***GU*DIS002*24089***.2311804*HH*1042* *****GAS DELIVERY CHARGE (TRANSP. ONLY)! SECOND SLN*2**A! SAC*C***GU*SUR008*1126***.0108061*HH*1042* *****INTERSTATE TRANSITION COSTS (TRAN CHARGE)! SAC*C***GU*MSC037*2246***.02155451*HH*1042 *****WEATHER NORMALIZATION CHARGE! SAC*C***GU*MSC037*-869***0083397*HH*10 42*****TAKE OR PAY CHARGE! TOS*28744! Total charges Number of IT1 segments		
TXI*GR*11.8*.0443759****A*265.92! REF*BF*20! REF*NH*13M-1! REF*PR*21708! REF*PR*21708! DTM*150*20060215! DTM*150*20060215! Service period start date DTM*151*20060314! Service period end date SLN*1**A! SAC*C**GU*DIS002*24089***.2311804*HH*1042* *****GAS DELIVERY CHARGE (TRANSP. ONLY)! SECOND SLN*2**A! SAC*C**GU*SUR008*1126***.0108061*HH*1042* ****INTERSTATE TRANSITION COSTS (TRAN CHARGE)! SAC*C**GU*MSC037*2246***.02155451*HH*1042 *****WEATHER NORMALIZATION CHARGE! SLN*4**A! SAC*C**GU*MSC037*-869***.0083397*HH*10 42****TAKE OR PAY CHARGE! TDS*28744! Charge Indicator, gas utility; charge type is Interstate Transition Cost Surcharge; Amount; Rate; Unit of Measure; Consumption; Text Description Total charge; Amount; Rate; Unit of Measure; Consumption; Text Description Total charge; Amount; Rate; Unit of Measure; Consumption; Text Description Total charge; Amount; Rate; Unit of Measure; Consumption; Text Description Total charge; Amount; Rate; Unit of Measure; Consumption; Text Description Total charges Number of IT1 segments	TXI*LS*9.72*.035****A*277.71!	
REF*BF*20! REF*NH*13M-1! REF*PR*21708! REF*V1*100202! Gas Pool DTM*150*20060215! DTM*151*20060314! SErvice period start date SLN*1**A! SAC*C**GU*DIS002*24089***.2311804*HH*1042* *****GAS DELIVERY CHARGE (TRANSP. ONLY)! SLN*2**A! SAC*C**GU*SUR008*1126***.0108061*HH*1042* ****INTERSTATE TRANSITION COSTS (TRAN CHARGE)! SLN*3**A! SAC*C**GU*MSC037*2246***.02155451*HH*1042 *****WEATHER NORMALIZATION CHARGE! SLN*4**A! SAC*C**GU*MSC037*-869***0083397*HH*10 42*****TAKE OR PAY CHARGE! TDS*28744! Total charges CTT*1! Bill Cycle Utility Rate Class Utility Rate Class Utility Rate Class Bas Pool Service period start date Charge Indicator, gas utility; charge type is Interstate Transition Cost Surcharge; Amount; Rate; Unit of Measure; Consumption; Text Description Charge Indicator; gas utility; charge type is Take or Pay Charge; Amount; Rate; Unit of Measure; Consumption; Text Description Total charges Total charges Number of IT1 segments		
REF*NH*13M-1! REF*PR*21708! REF*PR*21708! REF*VI*100202! DTM*150*20060215! DTM*151*20060314! Service period start date SEVICE period start date Charge Indicator, gas utility; charge type is Gas Delivery Charge; Amount; Rate; Unit of Measure; Consumption; Text Description SEN*2**A! SECOND SEN SEGMENT Charge Indicator, gas utility; charge type is Interstate Transition Cost Surcharge; Amount; Rate; Unit of Measure; Consumption; Text Description Third SEN Segment Charge Indicator; gas utility; charge type is Weather Normalization Charge or Credit; Amount; Rate; Unit of Measure; Quantity; Text Description Charge Indicator; gas utility; charge type is Take or Pay Charge; Amount; Rate; Unit of Measure; Consumption; Text Description TDS*28744! Total charges Number of IT1 segments		
REF*PR*21708! REF*VI*100202! DTM*150*20060215! DTM*151*20060314! Service period start date SERVI**A! SECOND SERVICE PERIOD SERVICE SERVI		
REF*VI*100202! DTM*150*20060215! DTM*151*20060314! Service period start date SLN*1**A! SAC*C**GU*DIS002*24089***.2311804*HH*1042* *****GAS DELIVERY CHARGE (TRANSP. ONLY)! SLN*2**A! SAC*C**GU*SUR008*1126***.0108061*HH*1042* ****INTERSTATE TRANSITION COSTS (TRAN CHARGE)! SLN*3**A! SAC*C**GU*MSC037*2246***.02155451*HH*1042 *****WEATHER NORMALIZATION CHARGE! SLN*4**A! SAC*C**GU*MSC037*-869***0083397*HH*10 SAC*C**GU*MSC037*-869***0083397*HH*10 42*****TAKE OR PAY CHARGE! Total charge COnsumption: Charge Indicator, gas utility; charge type is Interstate Transition Cost Surcharge; Amount; Rate; Unit of Measure; Consumption; Text Description Charge Indicator; gas utility; charge type is Weather Normalization Charge or Credit; Amount; Rate; Unit of Measure; Quantity; Text Description Charge Indicator; gas utility; charge type is Weather Normalization Charge or Credit; Amount; Rate; Unit of Measure; Quantity; Text Description Charge Indicator; gas utility; charge type is Take or Pay Charge; Amount; Rate; Unit of Measure; Consumption; Text Description TDS*28744! Total charges CTT*1! Number of IT1 segments	REF*NH*13M-1!	Utility Rate Class
DTM*150*20060215! DTM*151*20060314! Service period end date SLN*1**A! SAC*C**GU*DIS002*24089***.2311804*HH*1042* *****GAS DELIVERY CHARGE (TRANSP. ONLY)! SLN*2**A! SAC*C**GU*SUR008*1126***.0108061*HH*1042* ****INTERSTATE TRANSITION COSTS (TRAN CHARGE)! SLN*3**A! SAC*C**GU*MSC037*2246***.02155451*HH*1042 ****WEATHER NORMALIZATION CHARGE! SAC*C**GU*MSC037*-869***0083397*HH*10 SAC*C**GU*MSC037*-869***0083397*HH*10 42*****TAKE OR PAY CHARGE! Service period end date First SLN Segment Charge Indicator, gas utility; charge type is Interstate Transition Cost Surcharge; Amount; Rate; Unit of Measure; Consumption; Text Description Charge Indicator; gas utility; charge type is Weather Normalization Charge or Credit; Amount; Rate; Unit of Measure; Quantity; Text Description SLN*4**A! Fourth SLN Segment Charge Indicator; gas utility; charge type is Take or Pay Charge; Amount; Rate; Unit of Measure; Consumption; Text Description TDS*28744! Total charges CTT*1!	REF*PR*21708!	Utility Rate Subclass
DTM*151*20060314! SLN*1**A! SAC*C**GU*DIS002*24089***.2311804*HH*1042* ****GAS DELIVERY CHARGE (TRANSP. ONLY)! SLN*2**A! SAC*C**GU*SUR008*1126***.0108061*HH*1042* ****INTERSTATE TRANSITION COSTS (TRAN CHARGE)! SLN*3**A! SAC*C**GU*MSC037*2246***.02155451*HH*1042 *****WEATHER NORMALIZATION CHARGE! SAC*C**GU*MSC037*-869***0083397*HH*10 SAC*C**GU*MSC037*-869***0083397*HH*10 42*****TAKE OR PAY CHARGE! Total charges CTT*1! Service period end date First SLN Segment Charge Indicator, gas utility; charge type is Gas Delivery Charge; Amount; Rate; Unit of Measure; Consumption; Text Description Charge Indicator, gas utility; charge type is Weather Normalization Charge or Credit; Amount; Rate; Unit of Measure; Quantity; Text Description Charge Indicator; gas utility; charge type is Weather Normalization Charge or Credit; Amount; Rate; Unit of Measure; Quantity; Text Description Charge Indicator; gas utility; charge type is Take or Pay Charge; Amount; Rate; Unit of Measure; Consumption; Text Description Total charges CTT*1!	REF*VI*100202!	Gas Pool
SLN*1**A! SAC*C**GU*DIS002*24089***.2311804*HH*1042* ****GAS DELIVERY CHARGE (TRANSP. ONLY)! SLN*2**A! Second SLN Segment SAC*C**GU*SUR008*1126***.0108061*HH*1042* ****INTERSTATE TRANSITION COSTS (TRAN CHARGE)! SLN*3**A! SAC*C**GU*MSC037*2246***.02155451*HH*1042 *****WEATHER NORMALIZATION CHARGE! SLN*4**A! SAC*C**GU*MSC037*-869***0083397*HH*10 42*****TAKE OR PAY CHARGE! TOS*28744! Charge Indicator, gas utility; charge type is Interstate Transition Cost Surcharge; Amount; Rate; Unit of Measure; Consumption; Text Description Total charges Number of IT1 segments	DTM*150*20060215!	Service period <i>start</i> date
SAC*C**GU*DIS002*24089***.2311804*HH*1042* ****GAS DELIVERY CHARGE (TRANSP. ONLY)! Delivery Charge; Amount; Rate; Unit of Measure; Consumption; Text Description SLN*2**A! Second SLN Segment Charge Indicator, gas utility; charge type is Interstate ****INTERSTATE TRANSITION COSTS (TRAN CHARGE)! SLN*3**A! SAC*C**GU*MSC037*2246***.02155451*HH*1042 *****WEATHER NORMALIZATION CHARGE! SLN*4**A! SLN*4**A! SLN*4**A! SLN*4**A! SAC*C**GU*MSC037*-869***0083397*HH*10 42*****TAKE OR PAY CHARGE! Total charges CTT*1! Number of IT1 segments	DTM*151*20060314!	Service period <i>end</i> date
****GAS DELIVERY CHARGE (TRANSP. ONLY)! Delivery Charge; Amount; Rate; Unit of Measure; Consumption; Text Description SLN*2**A! SAC*C**GU*SUR008*1126***.0108061*HH*1042* ****INTERSTATE TRANSITION COSTS (TRAN CHARGE)! SLN*3**A! SAC*C**GU*MSC037*2246***.02155451*HH*1042 *****WEATHER NORMALIZATION CHARGE! SLN*4**A! SAC*C**GU*MSC037*-869***0083397*HH*10 42*****TAKE OR PAY CHARGE! Total charges Charge Indicator; gas utility; charge type is Weather Normalization Charge or Credit; Amount; Rate; Unit of Measure; Quantity; Text Description Charge Indicator; gas utility; charge type is Take or Pay Charge; Amount; Rate; Unit of Measure; Consumption; Text Description Total charges CTT*1! Number of IT1 segments	SLN*1**A!	First SLN Segment
Consumption; Text Description SLN*2**A! Second SLN Segment Charge Indicator, gas utility; charge type is Interstate ****INTERSTATE TRANSITION COSTS (TRAN CHARGE)! SLN*3**A! Third SLN Segment SAC*C**GU*MSC037*2246***.02155451*HH*1042 *****WEATHER NORMALIZATION CHARGE! SLN*4**A! SAC*C**GU*MSC037*-869***0083397*HH*10 SLN*4**A! Fourth SLN Segment Charge Indicator; gas utility; charge type is Weather Normalization Charge or Credit; Amount; Rate; Unit of Measure; Quantity; Text Description Charge Indicator; gas utility; charge type is Take or Pay Charge; Amount; Rate; Unit of Measure; Consumption; Text Description TDS*28744! Total charges Number of IT1 segments	SAC*C**GU*DIS002*24089***.2311804*HH*1042*	Charge Indicator, gas utility; charge type is Gas
SLN*2**A! SAC*C**GU*SUR008*1126***.0108061*HH*1042* ****INTERSTATE TRANSITION COSTS (TRAN CHARGE)! SAC*C**GU*MSC037*2246***.02155451*HH*1042 *****WEATHER NORMALIZATION CHARGE! SLN*4**A! SAC*C**GU*MSC037*-869***0083397*HH*10 SAC*C**GU*MSC037*-869***0083397*HH*10 ****TAKE OR PAY CHARGE! Total charges Consumption; Text Description Charge Indicator; gas utility; charge type is Weather Normalization Charge or Credit; Amount; Rate; Unit of Measure; Quantity; Text Description Charge Indicator; gas utility; charge type is Take or Pay Charge; Amount; Rate; Unit of Measure; Consumption; Text Description TDS*28744! Total charges CTT*1! Number of IT1 segments	****GAS DELIVERY CHARGE (TRANSP. ONLY)!	Delivery Charge; Amount; Rate; Unit of Measure;
SAC*C**GU*SUR008*1126***.0108061*HH*1042* ****INTERSTATE TRANSITION COSTS (TRAN CHARGE)! SLN*3**A! SAC*C**GU*MSC037*2246***.02155451*HH*1042 *****WEATHER NORMALIZATION CHARGE! SLN*4**A! SAC*C**GU*MSC037*-869***0083397*HH*10 42*****TAKE OR PAY CHARGE! Total charges Number of IT1 segments Charge Indicator, gas utility; charge type is Interstate Transition Cost Surcharge; Amount; Rate; Unit of Measure; Consumption; Text Description Total charges Number of IT1 segments		Consumption; Text Description
****INTERSTATE TRANSITION COSTS (TRAN CHARGE)! SLN*3**A! SAC*C**GU*MSC037*2246***.02155451*HH*1042 *****WEATHER NORMALIZATION CHARGE! SLN*4**A! SAC*C**GU*MSC037*-869***0083397*HH*10 42****TAKE OR PAY CHARGE! Total charges CTT*1! Transition Cost Surcharge; Amount; Rate; Unit of Measure; Consumption; Text Description Third SLN Segment Charge Indicator; gas utility; charge type is Weather Normalization Charge or Credit; Amount; Rate; Unit of Measure; Quantity; Text Description Fourth SLN Segment Charge Indicator; gas utility; charge type is Take or Pay Charge; Amount; Rate; Unit of Measure; Consumption; Text Description Total charges Number of IT1 segments	SLN*2**A!	Second SLN Segment
****INTERSTATE TRANSITION COSTS (TRAN CHARGE)! SLN*3**A! SAC*C**GU*MSC037*2246***.02155451*HH*1042 *****WEATHER NORMALIZATION CHARGE! SLN*4**A! SAC*C**GU*MSC037*-869***0083397*HH*10 42*****TAKE OR PAY CHARGE! Total charges CTT*1! Transition Cost Surcharge; Amount; Rate; Unit of Measure; Consumption; Text Description Measure; Consumption; Text Description Third SLN Segment Charge Indicator; gas utility; charge type is Weather Normalization Charge or Credit; Amount; Rate; Unit of Measure; Quantity; Text Description Fourth SLN Segment Charge Indicator; gas utility; charge type is Take or Pay Charge; Amount; Rate; Unit of Measure; Consumption; Text Description Total charges Number of IT1 segments	SAC*C**GU*SUR008*1126***.0108061*HH*1042*	Charge Indicator, gas utility; charge type is Interstate
CHARGE)! Measure; Consumption; Text Description SLN*3**A! Third SLN Segment SAC*C**GU*MSC037*2246***.02155451*HH*1042 *****WEATHER NORMALIZATION CHARGE! Charge Indicator; gas utility; charge type is Weather Normalization Charge or Credit; Amount; Rate; Unit of Measure; Quantity; Text Description SLN*4**A! Fourth SLN Segment SAC*C**GU*MSC037*-869***0083397*HH*10 42****TAKE OR PAY CHARGE! Pay Charge; Amount; Rate; Unit of Measure; Consumption; Text Description TDS*28744! Total charges CTT*1! Number of IT1 segments	****INTERSTATE TRANSITION COSTS (TRAN	
SAC*C**GU*MSC037*2246***.02155451*HH*1042 *****WEATHER NORMALIZATION CHARGE! *****WEATHER NORMALIZATION CHARGE! SLN*4**A! SAC*C**GU*MSC037*-869***0083397*HH*10 42*****TAKE OR PAY CHARGE! TDS*28744! Total charges Number of IT1 segments Charge Indicator; gas utility; charge type is Weather Normalization Charge or Credit; Amount; Rate; Unit of Measure; Quantity; Text Description Fourth SLN Segment Charge Indicator; gas utility; charge type is Take or Pay Charge; Amount; Rate; Unit of Measure; Consumption; Text Description Total charges Number of IT1 segments	CHARGE)!	
SAC*C**GU*MSC037*2246***.02155451*HH*1042 *****WEATHER NORMALIZATION CHARGE! SLN*4**A! SAC*C**GU*MSC037*-869***0083397*HH*10 42*****TAKE OR PAY CHARGE! TDS*28744! Total charges Narge Indicator; gas utility; charge type is Weather Normalization Charge or Credit; Amount; Rate; Unit of Measure; Quantity; Text Description Fourth SLN Segment Charge Indicator; gas utility; charge type is Take or Pay Charge; Amount; Rate; Unit of Measure; Consumption; Text Description Total charges Number of IT1 segments	SLN*3**A!	Third SLN Segment
*****WEATHER NORMALIZATION CHARGE! Normalization Charge or Credit; Amount; Rate; Unit of Measure; Quantity; Text Description SLN*4**A! Fourth SLN Segment Charge Indicator; gas utility; charge type is Take or Pay Charge; Amount; Rate; Unit of Measure; Consumption; Text Description TDS*28744! Total charges CTT*1! Number of IT1 segments	SAC*C**GU*MSC037*2246***.02155451*HH*1042	Charge Indicator; gas utility; charge type is Weather
of Measure; Quantity; Text Description SLN*4**A! Fourth SLN Segment SAC*C**GU*MSC037*-869***0083397*HH*10 42****TAKE OR PAY CHARGE! Pay Charge; Amount; Rate; Unit of Measure; Consumption; Text Description TDS*28744! Total charges CTT*1! Number of IT1 segments	*****WEATHER NORMALIZATION CHARGE!	
SLN*4**A! SAC*C**GU*MSC037*-869***0083397*HH*10 42****TAKE OR PAY CHARGE! TDS*28744! Charge Indicator; gas utility; charge type is Take or Pay Charge; Amount; Rate; Unit of Measure; Consumption; Text Description Total charges CTT*1! Number of IT1 segments		
SAC*C**GU*MSC037*-869***0083397*HH*10 42*****TAKE OR PAY CHARGE! Pay Charge; Amount; Rate; Unit of Measure; Consumption; Text Description TDS*28744! Total charges Number of IT1 segments	SLN*4**A!	
42****TAKE OR PAY CHARGE! Pay Charge; Amount; Rate; Unit of Measure; Consumption; Text Description TDS*28744! Total charges CTT*1! Number of IT1 segments		
Consumption; Text Description TDS*28744! Total charges CTT*1! Number of IT1 segments		
TDS*28744! Total charges CTT*1! Number of IT1 segments		
CTT*1! Number of IT1 segments	TDS*28744!	
· ·		
	SE*27*000001!	Transaction Set trailer; segment count; control number

Scenario 2: EURC Cycle Invoice, EURC Calendar Month Estimate, ESCO Summary Invoice Part B: EURC Calendar Month Estimate Invoice

ST*810*000001!	Transaction Set header; transaction defined is an
	810; control number assigned by originator
BIG*20060401*20060401CME000413**0882*12	Transaction date; Invoice number; Estimate to
3456**EM*00!	Summary link; <i>Calendar Month Estimate</i> ; Cross
3.50 EM 00.	Reference Number, <i>Original</i> Invoice
REF*12*3456789!	Utility assigned account number for the customer
REF*AJ*8887987!	Utility assigned account number for the E/MESCO
N1*SJ* E/M ESCO NAME*1*123456789!	E/MESCO Name and DUNS number
N1*8S*NATIONAL FUEL*1*987693210!	Utility Name and DUNS number
N1*8R*MARY JONES!	Customer Name
IT1*1*****SV*GAS*C3*ACCOUNT!	Gas Charge(s) billed at the <i>account</i> level
TXI*LS*9.81*.035****A*280.4!	Sales tax; amount; rate; Tax is <i>Additive</i> ; basis on
	which the tax is calculated
TXI*GR*11.91*.0443717****A*268.49!	Sales tax; amount; rate; Tax is <i>Additive</i> ; basis on
	which the tax is calculated
REF*NH*13M-1!	Utility Rate Class
REF*PR*21708!	Utility Rate Subclass
REF*VI*100202!	Gas Pool
DTM*150*20060301!	Service period <i>start</i> date
DTM*151*20060331!	Service period <i>end</i> date
SLN*1**A!	First SLN Segment
SAC*C**GU*DIS002*23616***.2361598*HH*1	Charge Indicator, gas utility; charge type is Gas
000*****GAS DELIVERY CHARGE (TRANSP.	Delivery Charge; Amount; Rate; Unit of Measure;
ONLY)!	Consumption; Text Description
SLN*2**A!	Second SLN Segment
SAC*C**GU*SUR008*938***.009384*HH*1000	<i>Charge</i> Indicator, <i>gas utility</i> ; charge type is
*****INTERSTATE TRANSITION COSTS	Interstate Transition Cost Surcharge; Amount;
(TRAN CHARGE)!	Rate; Unit of Measure; Consumption; Text
	Description
SLN*3**A!	Third SLN Segment
SAC*C**GU*MSC037*3129***.0312884*HH*1	Charge Indicator; gas utility; charge type is
000*****WEATHER NORMALIZATION	Weather Normalization Charge or Credit;
CHARGE!	Amount; Rate; Unit of Measure; Quantity; Text
	Description
SLN*4**A!	Fourth SLN Segment
SAC*C**GU*MSC037*-834***-	Charge Indicator; gas utility; charge type is Take
.0083355*HH*10 00****TAKE OR PAY CHARGE!	or Pay Charge; Amount; Rate; Unit of Measure;
TDS*29012!	Consumption; Text Description Total charges
CTT*1!	
SE*26*000001!	Number of IT1 segments Transaction Set trailer: segment count: control
SE:20:000001!	Transaction Set trailer; segment count; control number
	IIUIIIUCI

Scenario 2: EURC Cycle Invoice, EURC Calendar Month Estimate, ESCO Summary Invoice Part C: ESCO Summary Invoice

ST*810*000001!	Transaction Set header; transaction defined is an
DIG#200(0402#200(0402EGI002##0002###GI#0	810; control number assigned by originator
BIG*20060402*20060402ESI003**0882***CI*0	Transaction date; Invoice number; Estimate to
0!	Summary link; ESCO Summary Invoice; Original
DEE+ A 1+00070071	Invoice
REF*AJ*8887987!	Utility assigned account number for the E/MESCO
N1*SJ* E/MESCO NAME*1*123456789!	E/MESCO Name and DUNS number
N1*8S*NATIONAL FUEL*1*987693210!	Utility Name and DUNS number
ITD*****20060420!	Payment Due Date for the invoice
BAL*P*YB*51039.1!	Prior Balance
BAL*P*TP*51039.1!	Total Payments and Refunds
BAL*M*J9*500!	Beginning Balance
BAL*M*YB*49997.05!	Total Outstanding Balance
PAM****QZ*25050.29*PD*009*20060328!	Payment
PAM****QZ*25488.81*PD*009*20060329!	Payment
IT1*1****SV*GAS*C3*ACCOUNT!	Gas Charge(s) billed at the <i>account</i> level
TXI*LS*.62*.08****A*7.75!	Sales tax; amount; rate; Tax is <i>Additive</i> ; basis on
	which the tax is calculated
TXI*GR*.25*.033592****A*7.50!	Gross Receipts tax; amount; rate; Tax is Additive;
	basis on which the tax is calculated
SLN*1**A!	First SLN Segment of this IT1 Loop
SAC*C**GU*LPC001*750***.015*MO*500***	Charge Indicator, gas utility; charge type is Late
**LATE PAYMENT CHARGE!	Payment Charge; Amount; Text Description
IT1*2****SV*GAS*C3*GASPOOL!	Gas Charge(s) billed at the <i>gas pool</i> level
TXI*LS*66.78*.08****A*834.75!	Sales tax; amount; rate; Tax is Additive; basis on
	which the tax is calculated
TXI*GR*27.13*.033592****A*807.62!	Gross Receipts tax; amount; rate; Tax is Additive;
	basis on which the tax is calculated
TXI*PG*6292.8*.0684****A*92000!	Gas Import tax; amount; rate; Tax is Additive;
	basis on which the tax is calculated
REF*VI*100202!	Gas Pool
DTM*150*20060301!	Service period <i>start</i> date
DTM*151*20060331!	Service period <i>end</i> date
SLN*1**A!	First SLN Segment of this IT1 Loop
SAC*C**GU*DIS005*2352892*********TOT	Charge Indicator, gas utility; charge type is Total
AL DISTRIBUTION CHARGES!	Invoiced Distribution Charges; Amount; Text
	Description
SLN*2**A!	Second SLN Segment of this IT1 Loop
	<u>U</u>
SAC*C**GU*IBC020*80762*******DEFICI	Charge Indicator, gas utility; charge type is City
SAC*C**GU*IBC020*80762********DEFICI ENCY IMBALANCE CHARGE!	
	Charge Indicator, gas utility; charge type is City
	Charge Indicator, gas utility; charge type is City Gate Imbalance Charge; Amount; Text
ENCY IMBALANCE CHARGE!	Charge Indicator, gas utility; charge type is City Gate Imbalance Charge; Amount; Text Description
ENCY IMBALANCE CHARGE! IT1*3*****SV*GAS*C3*GASPOOL!	Charge Indicator, gas utility; charge type is City Gate Imbalance Charge; Amount; Text Description Gas Charge(s) billed at the gas pool level

SLN*1**A!	First SLN Segment of this IT1 Loop
SAC*C**GU*DIS005*1876543***********TOT	Charge Indicator, gas utility; charge type is Total
AL DISTRIBUTION CHARGES!	Invoiced Distribution Charges; Amount; Text
	Description
TDS*4949705!	Total charges
CTT*3!	Number of IT1 segments
SE*37*000001!	Transaction Set trailer; segment count; control
	number

Scenario 3: EURC Cancel Cycle Invoice

CT*010*0000011	Turner dien Cadhard die de de de
ST*810*000001!	Transaction Set header; transaction defined is an
DIC#200(0217#200(0215G)0001G###0(704012#	810; control number assigned by originator
BIG*20060317*20060315CI0001C***86704013*	Transaction date; Invoice number; Cross Reference
*ME*01!	Number; Cycle Invoice; Cancel Invoice
REF*0I*20060315CI0001!	Original Invoice Number
REF*12*3456789!	Utility assigned account number for the customer
REF*AJ*8887987!	Utility assigned account number for the E/MESCO
N1*SJ* E/M <u>ESCO</u> NAME*1*123456789!	E/MESCO Name and DUNS number
N1*8S*NATIONAL FUEL*1*987693210!	Utility Name and DUNS number
N1*8R*MARY JONES!	Customer Name
IT1*1*****SV*GAS*C3*ACCOUNT!	Gas Charge(s) billed at the A <i>ccount</i> level
TXI*LS*9.72*.035****A*277.71!	Sales tax; amount; rate; Tax is <i>Additive</i> ; basis on
	which the tax is calculated
TXI*GR*11.8*.0443759****A*265.92!	Gross Receipts Tax
REF*BF*20!	Bill Cycle
REF*NH*13M-1!	Utility Rate Class
REF*PR*21708!	Utility Rate Subclass
REF*VI*100202!	Gas Pool
DTM*150*20060215!	Service period start date
DTM*151*20060314!	Service period end date
SLN*1**A!	First SLN Segment
SAC*C**GU*DIS002*24089***.2311804*HH*1	Charge Indicator, gas utility; charge type is Gas
042****GAS DELIVERY CHARGE (TRANSP.	Delivery Charge; Amount; Rate; Unit of Measure;
ONLY)!	Consumption; Text Description
SLN*2**A!	Second SLN Segment
SAC*C**GU*SUR008*1126***.0108061*HH*10	Charge Indicator, gas utility; charge type is
42****INTERSTATE TRANSITION COSTS	Interstate Transition Cost Surcharge; Amount;
(TRAN CHARGE)!	Rate; Unit of Measure; Consumption; Text
, ,	Description
SLN*3**A!	Third SLN Segment
SAC*C**GU*MSC037*2246***.02155451*HH*	Charge Indicator; gas utility; charge type is
1042****WEATHER NORMALIZATION	Weather Normalization Charge or Credit;
CHARGE!	Amount; Rate; Unit of Measure; Quantity; Text
	Description
SLN*4**A!	Fourth SLN Segment
SAC*C**GU*MSC037*-869***-	Charge Indicator; gas utility; charge type is Take
.0083397*HH*10	or Pay Charge; Amount; Rate; Unit of Measure;
42****TAKE OR PAY CHARGE!	Consumption; Text Description
TDS*28744!	Total charges
CTT*1!	Number of IT1 segments
SE*28*000001!	Transaction Set trailer; segment count; control
	number
	I .

Scenario 4: EURC Cycle Invoice with Final Bill Indicator

CT*010*000011	Transaction Cat harden transaction defined is an
ST*810*000001!	Transaction Set header; transaction defined is an
DIC+200(0215+200(0215CI0001+++0(704012++	810; control number assigned by originator
BIG*20060315*20060315CI0001***86704013**	Transaction date; Invoice number; Cross Reference
FE*00!	Number; Final Cycle Invoice; Original Invoice
REF*12*3456789!	Utility assigned account number for the customer
REF*AJ*8887987!	Utility assigned account number for the E/MESCO
N1*SJ* E/M <u>ESCO</u> NAME*1*123456789!	E/MESCO Name and DUNS number
N1*8S*NATIONAL FUEL*1*987693210!	Utility Name and DUNS number
N1*8R*MARY JONES!	Customer Name
IT1*1*****SV*GAS*C3*ACCOUNT!	Gas Charge(s) billed at the <i>account</i> level
TXI*LS*9.72*.035****A*277.71!	Sales tax; amount; rate; Tax is Additive; basis on
	which the tax is calculated
TXI*GR*11.8*.0443759****A*265.92!	Gross Receipts Tax
REF*BF*20!	Bill Cycle
REF*NH*13M-1!	Utility Rate Class
REF*PR*21708!	Utility Rate Subclass
REF*VI*100202!	Gas Pool
DTM*150*20060215!	Service period <i>start</i> date
DTM*151*20060314!	Service period <i>end</i> date
SLN*1**A!	First SLN Segment
SAC*C**GU*DIS002*24089***.2311804*HH*1	Charge Indicator, gas utility; charge type is Gas
042****GAS DELIVERY CHARGE (TRANSP.	Delivery Charge; Amount; Rate; Unit of Measure;
ONLY)!	Consumption; Text Description
SLN*2**A!	Second SLN Segment
SAC*C**GU*SUR008*1126***.0108061*HH*10	Charge Indicator, gas utility; charge type is
42****INTERSTATE TRANSITION COSTS	Interstate Transition Cost Surcharge; Amount;
(TRAN CHARGE)!	Rate; Unit of Measure; Consumption; Text
(,),	Description
SLN*3**A!	Third SLN Segment
SAC*C**GU*MSC037*2246***.02155451*HH*	Charge Indicator; gas utility; charge type is
1042*****WEATHER NORMALIZATION	Weather Normalization Charge or Credit;
CHARGE!	Amount; Rate; Unit of Measure; Quantity; Text
on need.	Description Quantity
SLN*4**A!	Fourth SLN Segment
SAC*C**GU*MSC037*-869***-	Charge Indicator; gas utility; charge type is Take
.0083397*HH*10	or Pay Charge; Amount; Rate; Unit of Measure;
42*****TAKE OR PAY CHARGE!	Consumption; Text Description
TDS*28744!	Total charges
CTT*1!	Number of IT1 segments
SE*27*000001!	Transaction Set trailer; segment count; control
50 27 000001:	number
	Hulliooi