

# **ATTACHMENT 1**

# New York Implementation Standard

For  
**Sandard Electronic  
Transactions**

TRANSACTION SET

# 814

## Change (Account Maintenance)

Ver/Rel 004010

	<b>Summary of Changes</b>
November 1, 2001 Version 1.0	Initial Release
April 16, 2002 Version 1.1	Version 1.1 Issued
	Notice of Correction Max Use of the REF* <b>TU</b> segment is revised from 1 to >1.
August 7, 2002 Version 1.2	Version 1.2 Issued
	Added new REF segment (REF* <b>AJ</b> ) to accommodate exchange of a Utility Account Number for the ESCO/Marketer
	Inserted updated Field Descriptions Guideline Page
	Modified the segment notes for the N1* <b>8R</b> and N1* <b>BT</b> segments to clarify that an N1 segment is required in an N1 loop when other segments are sent in that loop.
	Modified the element notes for REF03 in the REF* <b>65</b> (Meter Cycle Code) and REF* <b>BF</b> (Bill Cycle Code) segments to indicate it is only required when the REF02 data in each segment is insufficient for the recipient to determine when, or how frequently, a customer's meter is read or the account is billed. (See October 2, 2001 clarification).
	Modified the segment notes for the REF* <b>BLT</b> (Bill Presenter) and REF* <b>PC</b> (Bill Calculator) segments to remove the parenthetical reference to RG&E regarding Single Retailer since National Fuel will also offer Single Retailer.
	Modified the Front Matter Notes regarding 'Request Transactions' to indicate that changes in bill option may not be processed when the customer is not yet active with the E/M initiating the Request transaction. (See June 21, 2002 order adopting EDI standards for Utility Rate Ready Consolidated Billing).
	Modified the segment notes for the AMT* <b>DP</b> segment to remove the parenthetical relating to RG&E in favor of a more generic note. Both RG&E and National Fuel Gas offer single Retailer Model.
	Added text to the segment notes for the REF* <b>MT</b> (Measurement Type and Reporting Interval) segment and REF02 element to indicate that this segment must be accompanied by a REF* <b>TU</b> segment in some instances in order to adequately describe the measurement period(s) or time intervals associated with specific service end points.
	Modified the use attribute for REF* <b>TD</b> (Reason for Change – Account Level) segment at position 030 from Required to Conditional. This segment is only required when a change in account level data is being reported.
March 17, 2004 Version 1.3	Version 1.3 Issued
	Corrected the 'Max Use' attribute for the REF* <b>TD</b> (Reason for Change – Meter Level) segment in the NM1 loop to >1.
	An element note is added to clarify the use of the LIN01 identifier in a Response transaction.
	Added two codes (AMT9M & AMT9N) to the REF* <b>TD</b> (Reason for Change – Account Level) segment to enable ESCOs to transmit information about changes in a customer's tax rates when the customer's bill option is Utility Rate Ready Consolidated billing.
	Added AMT* <b>9M</b> and AMT* <b>9N</b> segments to enable ESCOs to transmit changes in customer's tax rate information when the bill option requested is Utility Rate Ready consolidated billing and the Utility requires ESCOs to provide this data. When different tax rates are applicable to portions of the customer's service i.e. when a REF* <b>RP</b> (Portion Taxed Residential) segment was present in an Enrollment Request transaction, it will be necessary to send both the 9M (residential tax rate applicable to a portion of the service) and the 9N segment (commercial tax rate applicable).
	Corrected the segment notes for the NM1 Loop to indicate that transmitting an NM1 Loop in a Response transaction is 'Optional' rather than 'Not Used'.
	Corrected sample transaction 2.A. (E/M Change Request) to delete the DTM007 (Effective Date of Change) segments which are not applicable to the change being reported in this example.
	Modified sample transactions 4.A. & 4.B. to add segments for a change in the customer's tax rate coincident with the change to Utility Rate Ready billing.

## NY 814 Change Request &amp; Response

	Notes regarding the attributes of "R" elements are added to the Front Matter notes.
	Coding for the REF*GC (Gas Capacity Assignment/Obligation) has been corrected (from Yes/No to Y/N) to be consistent with the coding for the same segment in the Enrollment Standard.
May 17, 2006 Version 1.4	Version 1.4 Issued
	Any references to Niagara Mohawk or NMPC throughout the document were revised to refer to National Grid.
	References to RG&E's use of the Single Retailer Model have been deleted. This model is no longer offered in Rochester's service territory. A new example replaces Scenario #4 in the previous Implementation Guide.
	A PER segment is added to the N1 (Customer) Loop (N101=8R) to enable parties to communicate changes in a customer's telephone number where the telephone number was initially sent in an Enrollment Accept Response transaction in an N1 (Customer) Loop. A change in the customer's telephone number coincident with a change in mailing address should be reported in an N1 (Name for Mailing) Loop in the Single Retailer model (see scenario 2 in the examples).
	The N1*8R (Customer) segment note is revised to delete extraneous text and to reflect the addition of a PER segment in the N1 (Customer) Loop.
	The LIN segment notes are revised to clarify the looping structure at the header and detail levels when multiple changes are being sent in a Request transaction.
	The REF*11 (ESCO/Marketer Customer Account Number) segment note is changed to indicate that this segment must be sent when the Utility is the bill presenter and there is a change in the account number.
	The REF*12 (Utility Account Number) segment note is changed to reflect the correct line number reference in the data dictionary.
	A REF03 element is added to the REF*12 segment (Utility Account Number) for use in Change Requests sent to, or received from, Orange & Rockland Utilities when the reported change pertains to the un-metered portion of a customer's electric service when both metered and un-metered service are present on the same account.
	The REF*AJ (Utility Assigned Account Number for ESCO/Marketer) segment note is revised to indicate that this segment is Not Used in a Response transaction.
	A REF*LF (E/M Late Fees) segment is added at the account level to enable E/Ms to communicate a change in late fee policies for customer's receiving a Rate Ready consolidated bill from National Fuel Gas.
	An AMT*B5 (E/M Budget Plan Installment Amount) segment is added for use in National Fuel Gas service territory. The AMT*B5 segment is used in that service territory to communicate a change in the customer's budget plan installment amount for E/M charges when the bill option is Rate Ready consolidated billing and the payment option is Pay-As-You-Get-Paid.
	Additional codes were added to the REF*TD (Reason for Change – Account Level) segment to accommodate the new segments (PERIC, REFLF, and AMTB5).
October 23, 2014 Version 1.5	Version 1.5
	New Change Reason Codes added at the account level and new segments from Case No. 12-M-0476 REFIJ – Change Industrial Classification Code REFSG – Change Utility Discount Indicator REFTDT – Change Account Settlement Indicator REFTX – Change Tax Exempt Status REFYP – Change NYPA Discount Indicator Added new segment DTM*AB2 (ICAP Effective Dates)
	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

	<b>Notes pertaining to the use of this document</b>
Purpose	<ul style="list-style-type: none"> <li>An 814 Change transaction is used to communicate changes in customer account information between market participants. The 814 Change Standards are based on the ASC X12 Ver/Rel 004010 standard and related UIG guidelines.</li> </ul>
One account per 814	<ul style="list-style-type: none"> <li>Each change transaction may contain only one account for one commodity (i.e. electric, gas, etc.).</li> </ul>
Cross referencing Request & Response Transactions	<ul style="list-style-type: none"> <li>The BGN02 element in the BGN segment received on a request must be returned in the BGN06 element of the BGN segment sent on the response.</li> <li>The LIN01 element is used to cross-reference each individual LIN response with its corresponding request.</li> </ul>
Validation Field	<ul style="list-style-type: none"> <li>In New York, the validation field is the customer's utility account number (with check digit, if included).</li> </ul>
Request Transaction	<ul style="list-style-type: none"> <li>An 814 Change transaction can accommodate more than one change request per commodity per account.</li> <li>Each change request pertaining to data transmitted at the account level must be sent in a separate LIN loop. Account level items include all segments listed on page 1 of this guide under "Heading" as well as those segments listed under "Detail" that are NOT part of the NM1 loop. For example, if changing from dual billing to utility consolidated billing, it would be necessary to request a change in bill presenter as well as bill calculator. Each change request in this example would be sent in a separate LIN loop.</li> <li>Customer name changes are sent in the N1*8R segment. Changes to the name for mailing address are sent in the N1*BT segment. Changes in the customer's telephone number should be sent in the N1 (Customer) Loop (N101=8R) if the information originated in that Loop.</li> <li>At the meter level, all change requests are grouped by meter in individual LIN loops. If a change is made to all meters on a multi-metered account, the data should be reported in a single NM1 loop and the literal "ALL" sent in the NM109 element. Changes related to a single meter, such as changes to both Utility Rate Class and Utility Load Profile Group code, are sent in one LIN Loop. Change requests for different meters are grouped in separate LIN loops. For example, if different Utility Rate codes apply to each meter on a multi-metered account, the change to Utility Rate Code should be reported in a separate LIN loop for each meter.</li> <li>ESCO initiated Requests to change a customer's bill option (Bill Presenter and/or Bill Calculator segments) may not be processed for accounts that are not yet active with that ESCO (i.e. enrollment is pending but not yet effective) at the time the change Request was received.</li> </ul>
NM1 loop structure	<ul style="list-style-type: none"> <li>Changes to meter information are communicated in the NM1 loop. Each NM1 loop may contain all changes for a particular meter, all changes affecting the un-metered service on the account or a single change that pertains to all metered or un-metered service points on the account. Each NM1 loop is sent within a single LIN loop. If multiple changes are being requested, the changes pertaining to each meter or un-metered service are sent in separate NM1 loops. Each NM1 loop may be associated with only one LIN loop.</li> </ul>

Response Transaction	<ul style="list-style-type: none"> <li>• There must be one response LIN for each request LIN.</li> <li>• Requests are accepted or rejected at the LIN level.</li> <li>• Responses may be created and sent at different times in different 814 transactions, but the response for each request must be sent within 2 business days.</li> <li>• The Change Response Transaction has been structured as follows: <ul style="list-style-type: none"> <li>◆ The transaction containing an Accept Response may contain the REF*TD(s) from the request transaction, at the option of the sender, but will not contain or echo back the segment that was changed.</li> <li>◆ The transaction containing a Reject Response will contain the rejection reason (REF*7G) and, may contain, at the option of the sender, the REF*TD(s) from the Request Transaction and/or the segments that were in error.</li> </ul> </li> </ul>
Use of REF*TD segment	<ul style="list-style-type: none"> <li>• The REF*TD segments are used to indicate to the receiver the type of change that is being requested. At least one REF*TD is required on a Request transaction. The REF*TD(s) may be echoed back on the Response transaction at the option of the sender.</li> <li>• REF*TD segments are located at the account (LIN) or meter (NM1) level within the document. <ul style="list-style-type: none"> <li>◆ Each data element that is being changed at the Account (LIN) level must be associated with a REF*TD segment in the LIN loop.</li> <li>◆ For a meter addition, a REF*TD code of NM1MA must be present, and all new data reported in a single NM1 loop.</li> <li>◆ For a meter exchange, a REF*TD code of NM1MX must be present, and all data for the new meter is reported in a single NM1 loop (a REF*46 segment, containing the old meter number, is returned in the same NM1 loop).</li> <li>◆ For a meter removal (not an exchange), an NM1 segment and a REF*TD segment with a code of NM1MR must be present. No other segments or elements are required.</li> <li>◆ For other changes at the meter level, an NM1 segment, the applicable REF*TD segment, and the segment containing the change must be present.</li> </ul> </li> </ul>
Conditional Segments	<ul style="list-style-type: none"> <li>• A change in one data segment may necessitate changes in dependent data segments. For example, when there is a change in billing option, some dependent data segments may also be subject to change. For example, when changing from dual billing to Utility rate ready consolidated billing, in addition to the changes in Bill Presenter and Bill Calculator segments, it will be necessary to send other data segments (such as ESCO Commodity Price, ESCO Fixed Charge, or ESCO Rate Code, Percent Tax Exempt, Portion Taxed Residential, Current Budget Billing Status, etc.) in order for the Utility to be able to calculate the customer's bill.</li> </ul>
Changes to Utility Account Numbers or Meter Numbers	<ul style="list-style-type: none"> <li>• When updating or correcting existing Utility account numbers or meter numbers, the Change Request transaction must contain the new (or corrected) and old number.</li> <li>• For the Utility account number, the new, or corrected, account number is sent in a REF*12 segment. The old account number is sent in a REF*45 segment.</li> <li>• For meter numbers, the new, or corrected, meter number is sent in an NM1 segment. The old meter number is sent in a REF*46 segment.</li> </ul>

Use of DTM*007 segment	<ul style="list-style-type: none"> <li>• A DTM*007 segment (Effective Date of Change) is used to communicate the effective date for a requested change in the following circumstances: <ul style="list-style-type: none"> <li>◆ Utility Request – required for non-DTM segments</li> <li>◆ Utility Response – may be sent to establish the effective date of an ESCO requested change</li> <li>◆ ESCO Requests sent to communicate a change in mailing address (required for Single Retailer Model)</li> <li>◆ ESCO Requests to change the ESCO Commodity Price (AMT*RJ), ESCO Fixed Charge (AMT*FW), or ESCO Rate Code (REF*RB) when the Utility is the Bill Presenter and Bill Calculator and has agreed to process rate or price changes mid-cycle.</li> </ul> </li> </ul>
Data Element Attributes	<ul style="list-style-type: none"> <li>• Data elements whose X12 attribute type is ‘R’ (for example AMT02 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.</li> </ul>
Single Retailer Model	<ul style="list-style-type: none"> <li>• There are some differences in the required segments for a Change Request and/or Response where the Single Retailer Model has been implemented for Retail Access. These differences have been noted in the notes and gray box text in the individual data segments in this Implementation Guide as well as the corresponding data dictionary.</li> </ul>
Conditional Data Segments	<ul style="list-style-type: none"> <li>• There are minor differences in the extent to which specific data elements are supported by each Utility and/or whether they are applicable to both electric and gas services. These differences have been noted, for the most part, in the data dictionary associated with this implementation guide.</li> </ul>
Definitions	<ul style="list-style-type: none"> <li>• The term Utility 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 (ESCO) is used in this document to refer to either a gas or electric supplier.</li> </ul>
Companion Documents	<ul style="list-style-type: none"> <li>• All of the applicable business rules for New York are not necessarily documented in this implementation guide. Accordingly, the Account Change Business Process document and/or the 814 Change Data Dictionary should be reviewed where further clarification is needed.</li> <li>• In addition, further information on the Change data elements can be found in the Implementation Guide for the 814 Enrollment Request &amp; Response.</li> </ul>



## Implementation Guideline Field Descriptions

**Segment:** **REF** Reference Identification (Utility Customer Account Number)  
**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.  
 2 If either C04003 or C04004 is present, then the other is required.  
 3 If either C04005 or C04006 is present, then the other is required.  
**Semantic Notes:** 1 REF04 contains data relating to the value cited in REF02.  
**Comments:**

This section shows the X12 Rules for this segment but the Usage and Max Use fields will also reflect NY rules. For Usage, “Optional (Must Use)” means that this segment is Optional for X12, but is required in NY. “Optional (Dependent)” means Optional for X12, but use is conditional in NY. The grayboxes below should also be reviewed for additional NY Rules.

**Notes:** Required

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

REF~12~011231287654398

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

One or more examples.

### Data Element Summary

	<u>Ref Des.</u>	<u>Data Element</u>	<u>Name</u>	<u>X12 Attributes</u>
Mand.	REF01	128	Reference Identification Qualifier 12 Billing Account REF02 contains the Utility-assigned account number for the customer.	M ID 2/3 number for
Must Use	REF02	127	Reference Identification Utility assigned customer account number The utility account number must be supplied. Non-alphanumeric characters. (Characters on a bill, for example, should be removed)	AN 1/30

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

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



# 814 Change (Account Maintenance)

Functional Group ID=**GE**

## Introduction:

This Draft Standard for Trial Use contains the format and establishes the data contents of the Account Maintenance Transaction Set (814) for use within the context of an Electronic Data Interchange (EDI) environment.

## Notes:

This guideline is limited to defining various account maintenance information that may be exchanged between trading partners.

## Heading:

Page No.	Pos. No.	Seg. ID	Name	Req. Des.	Max.Use	Loop Repeat	Notes and Comments
9	010	ST	Transaction Set Header	M	1		
10	020	BGN	Beginning Segment	M	1		
			LOOP ID - N1			1	
11	040	N1	Name (ESCO)	O	1		
			LOOP ID - N1			1	
12	040	N1	Name (Utility)	O	1		
			LOOP ID - N1			1	
13	040	N1	Name (Customer)	O	1		
14	060	N3	Address Information (Service Address)	O	1		
15	070	N4	Geographic Location (Service Address)	O	1		
16	080	PER	Administrative Communications Contact (Customer Phone Number)	O	1		
			LOOP ID - N1			1	
17	040	N1	Name (Name for Mailing)	O	1		
18	060	N3	Address Information (Mailing Address)	O	1		
19	070	N4	Geographic Location (Mailing Address)	O	1		
20	080	PER	Administrative Communications Contact (Customer Phone Number)	O	1		

## Detail:

Page No.	Pos. No.	Seg. ID	Name	Req. Des.	Max.Use	Loop Repeat	Notes and Comments
			LOOP ID - LIN			>1	
21	010	LIN	Item Identification	O	1		
22	020	ASI	Action or Status Indicator	O	1		
23	030	REF	Reference Identification (Reject Response Reasons)	O	1		
24	030	REF	Reference Identification (Reason for Change - Account Level)	O	1		
25	030	REF	Reference Identification (ESCO Customer Account Number)	O	1		
27	030	REF	Reference Identification (Utility Account Number)	O	1		
28	030	REF	Reference Identification (Previous Utility Account Number)	O	1		
29	030	REF	Reference Identification (Utility Account Number for ESCO)	O	1		
30	030	REF	Reference Identification (Meter Cycle Code)	O	1		
31	030	REF	Reference Identification (Bill Cycle Code)	O	1		
32	030	REF	Reference Identification (Bill Presenter )	O	1		
33	030	REF	Reference Identification (Bill Calculator)	O	1		

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34	030	REF	Reference Identification (Current Budget Billing Status)	O	1
35	030	REF	Reference Identification (ESCO Late Fees)	O	1
36	030	REF	Reference Identification (Partial Participation Portion)	O	1
37	030	REF	Reference Identification (Customer on Life Support)	O	1
38	030	REF	Reference Identification (Gas Pool ID)	O	1
39	030	REF	Reference Identification (Gas Capacity Assignment/Obligation)	O	1
40	030	REF	Reference Identification (ISO Location Based Marginal Pricing Zones)	O	1
41	030	REF	Reference Identification (Portion Taxed Residential)	O	1
42	030	REF	Reference Identification (Account Settlement Indicator)	O	1
43	030	REF	Reference Identification (NYPADiscount Indicator)	O	1
44	030	REF	Reference Identification (Utility Discount Indicator)	O	1
45	030	REF	Reference Identification (Industrial Classification Code)	O	1
46	030	REF	Reference Identification (Tax Exempt Status)	O	1
47	040	DTM	Date/Time Reference (Effective Date of Change)	O	1
48	040	DTM	Date/Time Reference (Assigned Service Start Date)	O	1
49	040	DTM	Date/Time Reference (Assigned Service End Date)	O	1
50	040	DTM	Date/Time Reference (ICAP Effective Date)	O	1
50	060	AMT	Monetary Amount (ESCO Budget Plan Installment Amount)	O	1
51	060	AMT	Monetary Amount (Tax Exemption Percent)	O	1
52	060	AMT	Monetary Amount (ESCO Commodity Price)	O	1
53	060	AMT	Monetary Amount (ESCO Fixed Charge)	O	1
54	060	AMT	Monetary Amount (Customer's Tax Rate for ESCO Charges -1)	O	1
55	060	AMT	Monetary Amount (Customer's Tax Rate for ESCO Charges -2)	O	1
56	060	AMT	Monetary Amount (ICAP)	O	1
LOOP ID - NM1					>1
58	080	NM1	Metered or UnMetered Service Points	O	1
60	130	REF	Reference Identification (Reason for Change - Meter Level)	O	>1
61	130	REF	Reference Identification (Old Meter Number)	O	1
62	130	REF	Reference Identification (Utility Rate Service Class)	O	1
63	130	REF	Reference Identification (Utility Rate Sub Class)	O	1
64	130	REF	Reference Identification (Utility Load Profile Group Code)	O	1
65	130	REF	Reference Identification (Measurement Type and Reporting Interval)	O	1
67	130	REF	Reference Identification (Use Time of Day)	O	>1
69	130	REF	Reference Identification (ESCO Rate Code)	O	1
70	150	SE	Transaction Set Trailer	M	1
E-1	Examples				

**Transaction Set Notes:**

1. The N1 loop is used to identify the parties to this transaction.
2. The LIN loop is used to transmit account level data.
3. The NM1 loop is used to transmit meter level data.

**Segment:** **ST** Transaction Set Header

**Position:** 010

**Loop:**

**Level:** Heading

**Usage:** Mandatory

**Max Use:** 1

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

**Syntax Notes:**

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

**Notes:** Request: Required  
Response: Required  
ST~814~0001

#### Data Element Summary

	<u>Ref.</u> <u>Des.</u>	<u>Data</u> <u>Element</u>	<u>Name</u>	<u>Attributes</u>
Mand.	ST01	143	Transaction Set Identifier Code 814 General Request, Response or Confirmation	M ID 3/3
Mand.	ST02	329	Transaction Set Control Number Identifying control number assigned by the originator of a transaction set. This identifier must be unique for each transaction set within a functional group.	M AN 4/9

**Segment:** **BGN** Beginning Segment  
**Position:** 020  
**Loop:**  
**Level:** Heading  
**Usage:** Mandatory  
**Max Use:** 1  
**Purpose:** To indicate the beginning of a transaction set  
**Syntax Notes:** 1 If BGN05 is present, then BGN04 is required.  
**Semantic Notes:** 1 BGN02 is the transaction set reference number.  
2 BGN03 is the transaction set date.  
3 BGN04 is the transaction set time.  
4 BGN05 is the transaction set time qualifier.  
5 BGN06 is the transaction set reference number of a previously sent transaction affected by the current transaction.

**Notes:** Request: Required  
Response: Required

Request: BGN~13~20000301145101~20060917

Response: BGN~11~20000402072434~20060919~~~20000301145101

#### Data Element Summary

	Ref.	Data			
	<u>Des.</u>	<u>Element</u>	<u>Name</u>		<u>Attributes</u>
Mand.	BGN01	353	Transaction Set Purpose Code		M ID 2/2
			11 Response		
			13 Request		
Mand.	BGN02	127	Reference Identification		M AN 1/30
			A unique transaction identifier number assigned by the originator of this transaction.		
			The BGN02 element from a Request transaction is placed in the BGN06 element in the corresponding Response transaction(s) sent in response to the Request transaction.		
Mand.	BGN03	373	Date		M DT 8/8
			The date the transaction was created by the sender's applications system in the form CCYYMMDD.		
Cond.	BGN06	127	Reference Identification		O AN 1/30
			Refers to the BGN02 identification number of the original Request. This element is "Not Used" on Request transactions but is "Required" on Response transactions.		

**Segment:** **N1** Name (ESCO)  
**Position:** 040  
**Loop:** N1 Optional (Must Use)  
**Level:** Heading  
**Usage:** Optional (Must Use)  
**Max Use:** 1  
**Purpose:** To identify a party by type of organization, name, and code  
**Syntax Notes:** 1 At least one of N102 or N103 is required.  
2 If either N103 or N104 is present, then the other is required.

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

Request: Required  
Response: Required  
N1~SJ~~24~123456789  
N1~SJ~ESCO NAME~24~123456789

**Data Element Summary**

	<b>Ref. Des.</b>	<b>Data Element</b>	<b>Name</b>	<b>Attributes</b>
<b>Mand.</b>	<b>N101</b>	<b>98</b>	<b>Entity Identifier Code</b> SJ Service Provider Identifies name and address information as pertaining to a service provider for which billing is being rendered Identifies the ESCO participating in this transaction.	<b>M ID 2/3</b>
<b>Optional</b>	<b>N102</b>	<b>93</b>	<b>Name</b> Free Form ESCO Company Name Supplemental text information supplied, if desired, to provide "eyeball" identification of the ESCO. It is not necessary for successful completion of the transaction but may be provided by mutual agreement between trading partners.	<b>X AN 1/60</b>
<b>Must Use</b>	<b>N103</b>	<b>66</b>	<b>Identification Code Qualifier</b> 1 D-U-N-S Number, Dun & Bradstreet 9 D-U-N-S+4, D-U-N-S Number with Four Character Suffix 24 Employer's Identification Number Federal Tax ID	<b>X ID 1/2</b>
<b>Must Use</b>	<b>N104</b>	<b>67</b>	<b>Identification Code</b> The D-U-N-S number or the Federal Tax ID	<b>X AN 2/80</b>

**Segment:** **N1** Name (Utility)  
**Position:** 040  
**Loop:** N1 Optional (Must Use)  
**Level:** Heading  
**Usage:** Optional (Must Use)  
**Max Use:** 1  
**Purpose:** To identify a party by type of organization, name, and code  
**Syntax Notes:** 1 At least one of N102 or N103 is required.  
2 If either N103 or N104 is present, then the other is required.

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

Request: Required  
Response: Required  
N1~8S~~24~012345678  
N1~8S~UTILITY COMPANY~24~912345678

**Data Element Summary**

	<u>Ref.</u> <u>Des.</u>	<u>Data</u> <u>Element</u>	<u>Name</u>	<u>Attributes</u>
<b>Mand.</b>	<b>N101</b>	<b>98</b>	<b>Entity Identifier Code</b> 8S Consumer Service Provider (CSP) Identifies the Utility participating in this transaction.	<b>M ID 2/3</b>
<b>Optional</b>	<b>N102</b>	<b>93</b>	<b>Name</b> Free Form Utility Company Name Supplemental text information that may be supplied to provide "eyeball" identification of the Utility. It is not necessary for successful completion of the transaction but may be provided by mutual agreement between trading partners.	<b>X AN 1/60</b>
<b>Must Use</b>	<b>N103</b>	<b>66</b>	<b>Identification Code Qualifier</b> 1 D-U-N-S Number, Dun & Bradstreet 9 D-U-N-S+4, D-U-N-S Number with Four Character Suffix 24 Employer's Identification Number Federal Tax ID	<b>X ID 1/2</b>
<b>Must Use</b>	<b>N104</b>	<b>67</b>	<b>Identification Code</b> The D-U-N-S number or Federal Tax ID	<b>X AN 2/80</b>

<b>Segment:</b>	<b>N1</b> Name (Customer)
<b>Position:</b>	040
<b>Loop:</b>	N1 Optional (Dependent)
<b>Level:</b>	Heading
<b>Usage:</b>	Optional (Dependent)
<b>Max Use:</b>	1
<b>Purpose:</b>	To identify the customer in this transaction.
<b>Syntax Notes:</b>	<b>1</b> At least one of N102 or N103 is required. <b>2</b> If either N103 or N104 is present, then the other is required.
<b>Semantic Notes:</b>	
<b>Notes:</b>	Request: Conditional Response: Not Used  This segment must be sent in a Request when a change in the customer name associated with the account (Utility or ESCO) or service address (Utility) or customer telephone number (Utility or ESCO) is being reported.  N1~8R~NAME N1~8R~JOHN SMITH N1~8R~DAIMLER-BENZ NA CORP

#### Data Element Summary

	<u>Ref.</u> <u>Des.</u>	<u>Data</u> <u>Element</u>	<u>Name</u>	<u>Attributes</u>
<b>Mand.</b>	<b>N101</b>	<b>98</b>	<b>Entity Identifier Code</b> 8R Consumer Service Provider (CSP) Customer Identify the end use customer targeted by this transaction.	<b>M ID 2/3</b>
<b>Mand.</b>	<b>N102</b>	<b>93</b>	<b>Name</b> The new customer name or the literal "NAME".  When a change in service address is being sent, an N1 segment (in addition to the N3 and N4 segments) is required. For address changes the N102 element may contain the actual customer name or the literal 'NAME'.	<b>M AN 1/60</b>



**Segment:** **N3** **Address Information (Service Address)**  
**Position:** 060  
**Loop:** N1 Optional (Dependent)  
**Level:** Heading  
**Usage:** Optional (Dependent)  
**Max Use:** 1  
**Purpose:** To specify the location of the named party  
**Syntax Notes:**  
**Semantic Notes:**  
**Notes:**

Utility Request : Conditional  
 Responses: Not Used

The N3 and N4 segments within the N1\*8R loop are sent when the Utility is reporting a change in service address and must be accompanied by an N1\*8R segment.

N3~375 PARK AVE

N3~OUTDOOR - PETER COOPER VILLAGE CORNER OF EAST 20TH & FI~RST AVENUE

#### Data Element Summary

	<u>Ref.</u> <u>Des.</u>	<u>Data</u> <u>Element</u>	<u>Name</u>	<u>Attributes</u>
<b>Mand.</b>	<b>N301</b>	<b>166</b>	<b>Address Information</b>	<b>M AN 1/55</b>
			Customer Service Address	
<b>Cond.</b>	<b>N302</b>	<b>166</b>	<b>Address Information</b>	<b>O AN 1/55</b>
			Service address overflow	

**Segment:** **N4** Geographic Location (Service Address)  
**Position:** 070  
**Loop:** N1 Optional (Dependent)  
**Level:** Heading  
**Usage:** Optional (Dependent)  
**Max Use:** 1  
**Purpose:** To specify the geographic place of the named party  
**Syntax Notes:** 1 If N406 is present, then N405 is required.  
**Semantic Notes:**  
**Notes:**

Utility Request: Conditional  
 Responses: Not Used

N4~NY~NY~10152  
 N4~MYCITY~NY~19123  
 N4~MYCITY~NY~191230123

#### Data Element Summary

	<u>Ref.</u>	<u>Data</u>	<u>Name</u>	<u>Attributes</u>
Must Use	N401	19	City Name	O AN 2/30
Must Use	N402	156	State or Province Code	O ID 2/2
Must Use	N403	116	Postal Code	O ID 3/15

**Segment:** **PER** Administrative Communications Contact (Customer Phone Number)  
**Position:** 080  
**Loop:** N1 Optional (Dependent)  
**Level:** Heading  
**Usage:** Optional (Dependent)  
**Max Use:** 1  
**Purpose:** To identify a person or office to whom administrative communications should be directed  
**Syntax Notes:** 1 If either PER03 or PER04 is present, then the other is required.  
2 If either PER05 or PER06 is present, then the other is required.  
3 If either PER07 or PER08 is present, then the other is required.

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

Requests: Conditional  
Responses: Not Used

This segment may be sent by the utility to provide the customer's telephone number when a number was unavailable at the time an enrollment request was processed or to correct a telephone number previously sent in an Enrollment Accept Response transaction. This segment may be sent by an ESCO to provide the correct telephone number when the telephone number previously provided in an Enrollment Response has been determined to be incorrect. This segment is sent in an N1 (Customer) Loop and must be accompanied by an N1\*8R segment.

If a change is made to this segment the PERIC code is transmitted in the REF\*TD segment at position 030.

PER~IC~~TE~8456756271

**Data Element Summary**

	<u>Ref.</u> <u>Des.</u>	<u>Data</u> <u>Element</u>	<u>Name</u>	<u>Attributes</u>
Mand.	PER01	366	Contact Function Code	M ID 2/2
			IC Information Contact	
Must Use	PER03	365	Communication Number Qualifier	X ID 2/2
			TE Telephone	
			Contact telephone number for the customer associated with this account.	
Must Use	PER04	364	Communication Number	X AN 1/80
			Customer's telephone number in the format xxxyyyzzzz (Area code+7 digit number).	

**Segment:** **N1** Name (Name for Mailing)  
**Position:** 040  
**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.  
**2** If either N103 or N104 is present, then the other is required.

**Semantic Notes:**

**Notes:**

Request : Conditional  
 Response: Not Used

This segment must be sent by either the Utility or the ESCO when the customer receives a consolidated bill and the name associated with the mailing address for billing and/or the mailing address or customer's telephone number changes.

N1~BT~Daimler-Benz C/O Siegfried Schwung  
 N1~BT~Robert J. McDonald DBA Tiny Tots  
 N1~BT~Ben Jones, Mgr. Store 16

**Data Element Summary**

	<b>Ref.</b>	<b>Data</b>	<b>Name</b>	<b>Attributes</b>
	<b>Des.</b>	<b>Element</b>		
<b>Mand.</b>	<b>N101</b>	<b>98</b>	<b>Entity Identifier Code</b>	<b>M ID 2/3</b>
			BT	Bill-to-Party
				Name for Mailing Address
<b>Mand.</b>	<b>N102</b>	<b>93</b>	<b>Name</b>	<b>M AN 1/60</b>
			Name associated with the mailing address for billing. This N1 segment must be sent to report a change in the name associated with the mailing address for billing. This segment must also be sent when reporting a change in the address for billing (the N3/N4 segments) and/or a change in the customer's telephone number (the PER segment). When a change is being requested in either mailing address or telephone number, this element may contain the literal "NAME".	

**Segment:** **N3** Address Information (Mailing Address)  
**Position:** 060  
**Loop:** N1 Optional (Dependent)  
**Level:** Heading  
**Usage:** Optional (Dependent)  
**Max Use:** 1  
**Purpose:** To specify the location of the named party  
**Syntax Notes:**  
**Semantic Notes:**  
**Notes:**

Request: Conditional  
 Responses: Not Used

This segment must be sent by the Utility or ESCO when a change in mailing address for billing occurs and the customer receives a consolidated bill. This segment must be accompanied by an N1\*BT segment.

For NFG, the N301 and N302 elements may contain the street address, City Name, State and postal code when the mailing address is located outside their service territory (for either domestic or foreign addresses).

N3~Epplestrasse 225 70567

N3~123 N Main St~Room 323

N3~One Parklane Blvd 911 East Dearborn MI 48126

N3~107 980 West 1st St North Vancouver British Columbia Ca~nada

#### Data Element Summary

	<u>Ref.</u> <u>Des.</u>	<u>Data</u> <u>Element</u>	<u>Name</u>	<u>Attributes</u>
Mand.	N301	166	Address Information Mailing Address for Billing	M AN 1/55
Cond.	N302	166	Address Information Mailing Address for Billing Overflow	O AN 1/55

**Segment:** **N4 Geographic Location (Mailing Address)**  
**Position:** 070  
**Loop:** N1 Optional (Dependent)  
**Level:** Heading  
**Usage:** Optional (Dependent)  
**Max Use:** 1  
**Purpose:** To specify the geographic place of the named party  
**Syntax Notes:** 1 If N406 is present, then N405 is required.  
**Semantic Notes:**  
**Notes:**

Request: Conditional  
Response: Not used

This segment must be sent in conjunction with N1\*BT and N3 (Mailing Address) when the mailing address for billing changes and the customer receives a consolidated bill. This segment must accompanied by an N1\*BT segment.

N4~Stuttgart Germany 011-49-711-17-0  
N4~FOREIGN ADDRESS  
N4~MYCITY~NY~19123  
N4~North Vancouver BC Canada  
N4~Dearborn~MI~48126

#### Data Element Summary

Ref.	Data	Name	Attributes
Des.	Element		
Must Use	N401	19 City Name	O AN 2/30
		<p>Domestic addresses: This field will contain the City Name. Alternatively, a utility may populate this field with a City Name only when the City is located within their service territory provided that if the City is outside its service territory, the City Name, State and postal code will be sent in the N3 segment and the N401 will contain the literal "Outside Service Territory".</p> <p>Foreign addresses (other than Canada): The Country Code will not be sent in the N404 element. In its Utility Maintains EDI Guide, a utility will specify the way it will populate this field with:</p> <ul style="list-style-type: none"> <li>City Name and Country Name and transmit postal codes in the N403 element.</li> <li>The literal "Foreign Address" and transmit the address in the N3 segment.</li> <li>The City Name, Country Name and postal code in this element (up to 30 characters).</li> <li>The City Name and Country Name.</li> </ul>	
Cond.	N402	156 State or Province Code	O ID 2/2
		<p>Code (Standard State/Province) as defined by appropriate government agency. A utility may elect to populate this element with:</p> <ul style="list-style-type: none"> <li>State codes.</li> <li>State codes within their service territory, i.e. NY or PA.</li> </ul> <p>Otherwise, this element will not be sent by other Utilities.</p>	
Cond.	N403	116 Postal Code	O ID 3/15
		<p>Code defining international postal zone code excluding punctuation and blanks (zip code for United States). Utilities will populate this element only with US zip code information, unless a utility elects to populate this element with:</p> <ul style="list-style-type: none"> <li>US zip codes and Canadian or other foreign postal codes.</li> <li>US zip code information only when the mailing address is located within their service territory.</li> </ul>	

**Segment:** **PER** Administrative Communications Contact (Customer Phone Number)  
**Position:** 080  
**Loop:** N1 Optional (Dependent)  
**Level:** Heading  
**Usage:** Optional (Dependent)  
**Max Use:** 1  
**Purpose:** To identify a person or office to whom administrative communications should be directed  
**Syntax Notes:** 1 If either PER03 or PER04 is present, then the other is required.  
2 If either PER05 or PER06 is present, then the other is required.  
3 If either PER07 or PER08 is present, then the other is required.

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

Utility request: Not Used  
ESCO response: Not Applicable

ESCO request: Conditional  
Utility response: Not Used

This segment should be sent when the ESCO becomes aware of a change in the customer's telephone number coincident with a change in mailing address. This segment is sent in the N1 Name (Name for Mailing) Loop and must be accompanied by an N1\*BT segment.

If a change is made to this segment the PERIC code is transmitted in the REF\*TD segment at position 030.

PER~IC~~TE~7166756271

**Data Element Summary**

	<u>Ref.</u> <u>Des.</u>	<u>Data</u> <u>Element</u>	<u>Name</u>	<u>Attributes</u>
<b>Mand.</b>	<b>PER01</b>	<b>366</b>	<b>Contact Function Code</b>	<b>M ID 2/2</b>
			IC Information Contact	
<b>Must Use</b>	<b>PER03</b>	<b>365</b>	<b>Communication Number Qualifier</b>	<b>X ID 2/2</b>
			TE Telephone	
			Contact telephone number for the customer associated with this account.	
<b>Must Use</b>	<b>PER04</b>	<b>364</b>	<b>Communication Number</b>	<b>X AN 1/80</b>
			Customer's telephone number in the format xxxyyyzzzz (Area code+7 digit number).	



**Segment:** **LIN** **Item Identification**  
**Position:** 010  
**Loop:** LIN Optional (Must Use)  
**Level:** Detail  
**Usage:** Optional (Must Use)  
**Max Use:** 1  
**Purpose:** To specify basic item identification data  
**Syntax Notes:** 1 If either LIN04 or LIN05 is present, then the other is required.  
2 If either LIN06 or LIN07 is present, then the other is required.  
3 If either LIN08 or LIN09 is present, then the other is required.  
4 If either LIN10 or LIN11 is present, then the other is required.  
5 If either LIN12 or LIN13 is present, then the other is required.  
6 If either LIN14 or LIN15 is present, then the other is required.  
7 If either LIN16 or LIN17 is present, then the other is required.  
8 If either LIN18 or LIN19 is present, then the other is required.  
9 If either LIN20 or LIN21 is present, then the other is required.  
10 If either LIN22 or LIN23 is present, then the other is required.  
11 If either LIN24 or LIN25 is present, then the other is required.  
12 If either LIN26 or LIN27 is present, then the other is required.  
13 If either LIN28 or LIN29 is present, then the other is required.  
14 If either LIN30 or LIN31 is present, then the other is required.

**Semantic Notes:** 1 LIN01 is the line item identification

**Notes:** Request : Required

Response: Required

Each change at the Account Level must be sent in a separate LIN Loop.

The LIN03 specifies the product (electric or gas) and the LIN05 specifies the action event.

LIN~AACCCDD0102004A~SH~EL~SH~CE This change pertains to electric service

### Data Element Summary

Ref.	Data	Name	Attributes
Des.	Element		
Must Use	LIN01	350 Assigned Identification	O AN 1/20
		The identifier supplied in this element either by itself or in conjunction with the BGN02 element from the BGN segment must uniquely identify each LIN request item over time.	
		The LIN01 identifier sent in a Request transaction must be returned in the transaction containing the response to that request (see examples).	
Mand.	LIN02	235 Product/Service ID Qualifier	M ID 2/2
		SH Service Requested	
		A numeric or alphanumeric code from a list of services available to the customer	
Mand.	LIN03	234 Product/Service ID	M AN 1/48
		Commodity - there may be only one commodity (Electric or Gas) for each 814 transaction.	
		EL	
		GAS	
Mand.	LIN04	235 Product/Service ID Qualifier	M ID 2/2
		SH Service Requested	
		A numeric or alphanumeric code from a list of services available to the customer	
Mand.	LIN05	234 Product/Service ID	M AN 1/48
		CE Customer Enrollment	
		Request for change in customer account information.	

**Segment:** **ASI** Action or Status Indicator  
**Position:** 020  
**Loop:** LIN Optional (Must Use)  
**Level:** Detail  
**Usage:** Optional (Must Use)  
**Max Use:** 1  
**Purpose:** To indicate the action to be taken with the information provided or the status of the entity described

**Syntax Notes:**

**Semantic Notes:**

**Notes:**

Request: Required  
 Response: Required  
 ASI~7~001 Request for change  
 ASI~WQ~001 Accept Response for request for change  
 ASI~U~001 Reject Response to a request for change

**Data Element Summary**

	<u>Ref.</u> <u>Des.</u>	<u>Data</u> <u>Element</u>	<u>Name</u>	<u>Attributes</u>
Mand.	ASI01	306	Action Code 7 U	M ID 1/2
			Request Reject Inability to accept for processing due to the lack of required information	
Mand.	ASI02	875	WQ Maintenance Type Code 001	M ID 3/3
			Accept Change	

<b>Segment:</b>	<b>REF</b> Reference Identification (Reject Response Reasons)
<b>Position:</b>	030
<b>Loop:</b>	LIN Optional (Must Use)
<b>Level:</b>	Detail
<b>Usage:</b>	Optional (Dependent)
<b>Max Use:</b>	1
<b>Purpose:</b>	To specify identifying information
<b>Syntax Notes:</b>	<b>1</b> At least one of REF02 or REF03 is required. <b>2</b> If either C04003 or C04004 is present, then the other is required. <b>3</b> If either C04005 or C04006 is present, then the other is required.
<b>Semantic Notes:</b>	<b>1</b> REF04 contains data relating to the value cited in REF02.
<b>Notes:</b>	Request: Not used Reject Response: Required Other Responses: Not Used  This segment is required when the transaction is a Response transaction (BGN01=11) and the action or status is Reject (ASI01=U) in order to describe the reason that a change request has been rejected. REF~7G~C11

Data Element Summary				
	<u>Ref.</u> <u>Des.</u>	<u>Data</u> <u>Element</u>	<u>Name</u>	<u>Attributes</u>
Mand.	REF01	128	Reference Identification Qualifier 7G	M ID 2/3
			Data Quality Reject Reason Reject reasons associated with a reject status notification.	
Must Use	REF02	127	Reference Identification A13 Other (REF03 required) A76 Account not found (this includes inactive account numbers as well as no account number found) A91 Account does not have service requested API Required information missing (REF03 Required) C11 Change reason (REF*TD) missing or invalid FRB Incorrect billing option (REF*BLT) requested FRC Incorrect bill calculation type (REF*PC) requested M76 Meter Number Invalid or Not Found W05 Requested rate not found	X AN 1/30
Cond.	REF03	352	Description Used to provide explanatory text for an A13 or API reject code.	X AN 1/80

<b>Segment:</b>	<b>REF</b>	<b>Reference Identification (Reason for Change - Account Level)</b>
<b>Position:</b>	030	
<b>Loop:</b>	LIN	Optional (Must Use)
<b>Level:</b>	Detail	
<b>Usage:</b>	Optional (Dependent)	
<b>Max Use:</b>	>1	
<b>Purpose:</b>	To specify identifying information	
<b>Syntax Notes:</b>	<b>1</b> At least one of REF02 or REF03 is required. <b>2</b> If either C04003 or C04004 is present, then the other is required. <b>3</b> If either C04005 or C04006 is present, then the other is required.	
<b>Semantic Notes:</b>	<b>1</b> REF04 contains data relating to the value cited in REF02.	
<b>Notes:</b>	Request: Conditional Response: Optional  This segment is used to identify the data segment(s) sent at the account level that are being changed. See page 48 of this Implementation Guide for a description of the codes used to identify a change in the data segment(s) sent at the meter level. REF~TD~N18R	

Data Element Summary				
	<u>Ref.</u> <u>Des.</u>	<u>Data</u> <u>Element</u>	<u>Name</u>	<u>Attributes</u>
<b>Mand.</b>	<b>REF01</b>	<b>128</b>	<b>Reference Identification Qualifier</b>	<b>M ID 2/3</b>
			TD Reason for Change	
<b>Must Use</b>	<b>REF02</b>	<b>127</b>	<b>Reference Identification</b>	<b>X AN 1/30</b>
			AMT9M Change Customers' Tax Rate 1	
			Utility Rate Ready Consolidated Billing Only.	
			Used to report a change in the customer's tax rate when the utility is calculating ESCO charges.	
			The 9M code should also be used to report a change in the residential tax rate applicable to a portion of the service (i.e. a REF*RP was present in the Enrollment transaction) when URR billing is in effect. The	
			AMT9N code should be used to report a change in the portion of the account taxed at a commercial rate.	
			AMT9N Change Customers' Tax Rate 2	
			Utility Rate Ready Consolidated Billing Only.	
			This code should only be used to report a change in the customer's tax rate applicable to the portion of the service taxed at a commercial rate in instances when part of the service is taxed at a residential rate and the balance at a commercial rate (i.e. REF*RP was present in the Enrollment transaction). The AMT9M code should be used to report a change in the residential tax rate on that account.	
			AMTB5 Change ESCO Budget Plan Installment Amount	
			Supported only if indicated within a utility's Utility Maintained EDI Guide.	
			AMTBD Change ESCO Budget Plan Balance	
			Supported only if indicated within a utility's Utility Maintained EDI Guide.	
			AMTDP Change Percentage of Service Tax Exempt	
			AMTFW Change ESCO Fixed Charge	
			AMTKZ Change ICAP	
			ELECTRIC Service Only.	
			AMTRJ Change ESCO Commodity Price	
			DTM007 Change Effective Date	
			DTM150 Change Service Period Start Date	
			Enrollment is pending. This code is used by the Utility	

DTM151	to report a change in the Assigned Service Start Date. Change Service Period End Date
N18R	Change Name or Service Address Use this code when the name on the account is being changed and/or a change of service address is being reported.
N1BT	Change Name for Mailing or Mailing Address Use this code when the name for mailing and/or the mailing address is being changed.
PERIC	Change Information Contact Information Use this code when reporting a change in the Customer's Telephone Number in an N1 (Customer) or N1 (Name for Mailing) Loop.
REF11	Change ESCO Customer Account Number
REF12	Change Utility Account Number
REF65	Change Meter Read Cycle
REFBF	Change Bill Cycle
REFBLT	Change Billing Type (Bill Presenter)
REFGC	Change Gas Capacity Assignment/Obligation GAS Service Only
REFIJ	Change Industrial Classification Code
REFLF	Change ESCO Late Fee Policy Supported only if indicated within a utility's Utility Maintained EDI Guide.
REFNR	Change Current Budget Billing Status
REFPC	Change Party that Calculates the Bill (Bill Calculator)
REFPGC	Change Partial Participation Portion
REFRP	Change Portion Taxed Residential
REFSG	Change Utility Discount Indicator
REFSPL	Change ISO LBMP Zone ELECTRIC Service Only
REFSU	Change Special Processing Code Use this code to report a change in the Customer's Life Support status (Single Retailer Model)
REFTDT	Change Account Settlement Indicator
REFTX	Change Utility Tax Exempt Status
REFVI	Change Gas Pool ID GAS Service Only
REFYP	Change NYPA Discount Indicator

## REF Reference Identification (ESCO Customer Account Number)

<b>Position:</b>	030
<b>Loop:</b>	LIN Optional (Must Use)
<b>Level:</b>	Detail
<b>Usage:</b>	Optional (Dependent)
<b>Max Use:</b>	1
<b>Purpose:</b>	To specify identifying information
<b>Syntax Notes:</b>	<ol style="list-style-type: none"> <li>1 At least one of REF02 or REF03 is required.</li> <li>2 If either C04003 or C04004 is present, then the other is required.</li> <li>3 If either C04005 or C04006 is present, then the other is required.</li> </ol>
<b>Semantic Notes:</b>	<ol style="list-style-type: none"> <li>1 REF04 contains data relating to the value cited in REF02.</li> </ol>
<b>Notes:</b>	<p>Utility Request: Not Used ESCO Response: Not Applicable</p> <p>ESCO Request: Conditional Utility Response: Conditional</p> <p>This segment is sent by the ESCO when the Utility is the bill presenter and the ESCO account number for the customer is being changed. This segment may be returned in a response transaction at the discretion of the utility. REF~11~A12345009Z</p>

### Data Element Summary

	<u>Ref.</u> <u>Des.</u>	<u>Data</u> <u>Element</u>	<u>Name</u>	<u>Attributes</u>
Mand.	REF01	128	Reference Identification Qualifier 11 Account Number Number identifies a telecommunications industry account REF02 is the ESCO Assigned account number for the customer.	M ID 2/3
Must Use	REF02	127	Reference Identification ESCO Marketer's assigned account number for the customer.	X AN 1/30

<b>Segment:</b>	<b>REF</b> Reference Identification (Utility Account Number)
<b>Position:</b>	030
<b>Loop:</b>	LIN Optional (Must Use)
<b>Level:</b>	Detail
<b>Usage:</b>	Optional (Must Use)
<b>Max Use:</b>	1
<b>Purpose:</b>	To specify identifying information
<b>Syntax Notes:</b>	<b>1</b> At least one of REF02 or REF03 is required. <b>2</b> If either C04003 or C04004 is present, then the other is required. <b>3</b> If either C04005 or C04006 is present, then the other is required.
<b>Semantic Notes:</b>	<b>1</b> REF04 contains data relating to the value cited in REF02.
<b>Notes:</b>	Request: Required Response: Required  The Utility account number assigned to the customer is used for validation and must be present on all transactions. The Utility is required to report any change in the customer's account number. The new/current account number is sent in the REF*12 segment and the prior account number must be sent in a REF*45 segment (see notes on line 49 of the 814C data dictionary). The Response transaction must contain the new account number in the REF*12 segment.  REF~12~011231287654398 REF~12~011231287654398~U

#### Data Element Summary

	<u>Ref.</u> <u>Des.</u>	<u>Data</u> <u>Element</u>	<u>Name</u>	<u>Attributes</u>
<b>Mand.</b>	<b>REF01</b>	<b>128</b>	<b>Reference Identification Qualifier</b> 12 Billing Account Account number under which billing is rendered REF02 contains the Utility-assigned account number for the customer.	<b>M ID 2/3</b>
<b>Must Use</b>	<b>REF02</b>	<b>127</b>	<b>Reference Identification</b> Utility assigned customer account number  The utility account number must be supplied without intervening spaces or non-alphanumeric characters. (Characters added to aid in visible presentation on a bill, for example, should be removed)	<b>X AN 1/30</b>
<b>Cond.</b>	<b>REF03</b>	<b>352</b>	<b>Description</b> For utilities that support the practice of responding to requests pertaining specifically to the un-metered portion of accounts, the REF03 element in the REF*12 segment should only be sent to, or received by, the utility when the commodity indicated in the LIN segment is Electric but the change request pertains only to the un-metered portion of the electric service on the account. This element should not be sent when the LIN request pertains to all electric service on the account. U Un-Metered Service	<b>X AN 1/80</b>



<b>Segment:</b>	<b>REF</b> Reference Identification (Previous Utility Account Number)
<b>Position:</b>	030
<b>Loop:</b>	LIN Optional (Must Use)
<b>Level:</b>	Detail
<b>Usage:</b>	Optional (Dependent)
<b>Max Use:</b>	1
<b>Purpose:</b>	To specify identifying information
<b>Syntax Notes:</b>	<ol style="list-style-type: none"> <li>1 At least one of REF02 or REF03 is required.</li> <li>2 If either C04003 or C04004 is present, then the other is required.</li> <li>3 If either C04005 or C04006 is present, then the other is required.</li> </ol>
<b>Semantic Notes:</b>	<ol style="list-style-type: none"> <li>1 REF04 contains data relating to the value cited in REF02.</li> </ol>
<b>Notes:</b>	<p>Utility Request: Conditional ESCO Response: Not Used</p> <p>ESCO Request: Not Used Utility Response: Not Applicable</p> <p>This segment must be sent by the Utility when the utility assigned account number for the customer is changed.</p> <p>REF~45~9194132485705971</p>

Data Element Summary				
	<u>Ref.</u> <u>Des.</u>	<u>Data</u> <u>Element</u>	<u>Name</u>	<u>Attributes</u>
Mand.	REF01	128	Reference Identification Qualifier 45 Old Account Number Identifies accounts being changed REF02 is the Utility's previous account number for the customer.	M ID 2/3
Must Use	REF02	127	Reference Identification Prior utility assigned account number for the customer designated in this transaction. Current utility assigned account number for the customer must be present in REF*12.	X AN 1/30

<b>Segment:</b>	<b>REF</b> Reference Identification (Utility Account Number for ESCO)
<b>Position:</b>	030
<b>Loop:</b>	LIN Optional (Must Use)
<b>Level:</b>	Detail
<b>Usage:</b>	Optional (Dependent)
<b>Max Use:</b>	1
<b>Purpose:</b>	To specify identifying information
<b>Syntax Notes:</b>	<ol style="list-style-type: none"> <li>1 At least one of REF02 or REF03 is required.</li> <li>2 If either C04003 or C04004 is present, then the other is required.</li> <li>3 If either C04005 or C04006 is present, then the other is required.</li> </ol>
<b>Semantic Notes:</b>	<ol style="list-style-type: none"> <li>1 REF04 contains data relating to the value cited in REF02.</li> </ol>
<b>Notes:</b>	<p>Utility Requests: Conditional</p> <p>Responses: Conditional</p> <p>This segment is sent to report a change in the utility assigned account number for the ESCO.</p> <p>REF~AJ~3134597</p>

Data Element Summary				
	<u>Ref.</u> <u>Des.</u>	<u>Data</u> <u>Element</u>	<u>Name</u>	<u>Attributes</u>
<b>Mand.</b>	<b>REF01</b>	<b>128</b>	<b>Reference Identification Qualifier</b> AJ	<b>M ID 2/3</b>
			Accounts Receivable Customer Account	
			REF02 contains the Utility assigned account number for the ESCO	
<b>Must Use</b>	<b>REF02</b>	<b>127</b>	<b>Reference Identification</b> Utility account number for the ESCO	<b>X AN 1/30</b>

**Segment:** **REF** Reference Identification (Meter Cycle Code)  
**Position:** 030  
**Loop:** LIN 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.
- 2 If either C04003 or C04004 is present, then the other is required.
- 3 If either C04005 or C04006 is present, then the other is required.

**Semantic Notes:**

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

**Notes:**
 Utility Request: Conditional  
 ESCO Response: Not Used  
  
 ESCO Request: Not Used  
 Utility Response: Not Applicable  
  
 This segment is sent to report a change in the customer's meter read cycle.  
  
 REF~65~A12~MON  
 REF~65~18~BIM

#### Data Element Summary

	Ref. Des.	Data Element	Name	Attributes
Mand.	REF01	128	Reference Identification Qualifier Meter Cycle Code	M ID 2/3
		65	Total Order Cycle Number	
Must Use	REF02	127	Reference Identification An alphanumeric code indicating when meter reads are scheduled for this account. This code will be used to obtain the meter reading schedule information from a Utility's web site.	X AN 1/30
Cond.	REF03	352	Description REF03 should be sent if the code in REF02 is insufficient to communicate the usage period to be reported when regularly scheduled use information is sent in an 867 transaction.	X AN 1/80
		BIM	bi-monthly	
		MON	monthly	
		QTR	quarterly	

<b>Segment:</b>	<b>REF</b> <b>Reference Identification (Bill Cycle Code)</b>
<b>Position:</b>	030
<b>Loop:</b>	LIN Optional (Must Use)
<b>Level:</b>	Detail
<b>Usage:</b>	Optional (Dependent)
<b>Max Use:</b>	1
<b>Purpose:</b>	To specify identifying information
<b>Syntax Notes:</b>	<b>1</b> At least one of REF02 or REF03 is required. <b>2</b> If either C04003 or C04004 is present, then the other is required. <b>3</b> If either C04005 or C04006 is present, then the other is required. <b>1</b> REF04 contains data relating to the value cited in REF02.
<b>Semantic Notes:</b>	
<b>Notes:</b>	Utility Request: Conditional ESCO Response: Not Used  ESCO Request: Not Used Utility Response: Not Applicable  This segment must be sent by the Utility when there has been a change in the customer's bill cycle date or bill frequency.  REF~BF~18~MON REF~BF~05~QTR

Data Element Summary				
	<u>Ref.</u> <u>Des.</u>	<u>Data</u> <u>Element</u>	<u>Name</u>	<u>Attributes</u>
<b>Mand.</b>	<b>REF01</b>	<b>128</b>	<b>Reference Identification Qualifier</b> BF Billing Center Identification Billing cycle. Cycle number indicating when this customer is scheduled for billing.	<b>M ID 2/3</b>
<b>Must Use</b>	<b>REF02</b>	<b>127</b>	<b>Reference Identification</b> An alphanumeric code indicating when a scheduled bill is prepared for the customer. Some companies may bill on a cycle other than the read cycle in which case this code would be used to retrieve the scheduled billing date from the utility's web site.	<b>X AN 1/30</b>
<b>Cond.</b>	<b>REF03</b>	<b>352</b>	<b>Description</b> If present, indicates the frequency with which the account is billed by the Utility. Billing frequency information may be implicit in the data provided by the Utility on its web site. If the data sent in REF02 is insufficient to determine bill frequency (by reference to the Utility's web site) and a change in bill cycle is being reported, then this element must be sent. BIM bi-monthly MON monthly QTR quarterly	<b>O AN 1/80</b>

<b>Segment:</b>	<b>REF</b> Reference Identification (Bill Presenter )
<b>Position:</b>	030
<b>Loop:</b>	LIN Optional (Must Use)
<b>Level:</b>	Detail
<b>Usage:</b>	Optional (Dependent)
<b>Max Use:</b>	1
<b>Purpose:</b>	To specify identifying information
<b>Syntax Notes:</b>	<b>1</b> At least one of REF02 or REF03 is required. <b>2</b> If either C04003 or C04004 is present, then the other is required. <b>3</b> If either C04005 or C04006 is present, then the other is required.
<b>Semantic Notes:</b>	<b>1</b> REF04 contains data relating to the value cited in REF02.
<b>Notes:</b>	Utility Request: Conditional ESCO Response: Not Used  ESCO Request: Conditional Utility Response: Not Used  This segment is sent to report a change in the Bill Presenter. It may be necessary to send additional dependent data segments when requesting a change in either bill presenter or bill calculator (REF*PC). See Front Matter notes (pages i - iv) for further instructions.  This segment is not applicable to the Single Retailer Model.  REF~BLT~DUAL REF~BLT~LDC REF~BLT~ESP REF~BLT~ESP~AGENT

Data Element Summary				
	Ref. Des.	Data Element	Name	Attributes
Mand.	REF01	128	Reference Identification Qualifier	M ID 2/3
			BLT	Billing Type Identifies whether the bill is a single bill consolidated by the Utility, a single bill consolidated by the ESCO, or separate bills presented by each party.
Must Use	REF02	127	Reference Identification	X AN 1/30
			DUAL	Each Party Presents a separate bill
			ESP	ESCO is the consolidated Bill Presenter
				REF03 must be sent when the ESCO will be the bill presenter under the "NY Billing Agency" model as defined in the NY Uniform Business Rules.
			LDC	Utility is the consolidated Bill Presenter
Cond.	REF03	352	Description	X AN 1/80
				The literal 'AGENT' must appear in the REF03 when a NY Billing agency model applies to an account.

<b>Segment:</b>	<b>REF</b> Reference Identification (Bill Calculator)
<b>Position:</b>	030
<b>Loop:</b>	LIN Optional (Must Use)
<b>Level:</b>	Detail
<b>Usage:</b>	Optional (Dependent)
<b>Max Use:</b>	1
<b>Purpose:</b>	To specify identifying information
<b>Syntax Notes:</b>	<b>1</b> At least one of REF02 or REF03 is required. <b>2</b> If either C04003 or C04004 is present, then the other is required. <b>3</b> If either C04005 or C04006 is present, then the other is required.
<b>Semantic Notes:</b>	<b>1</b> REF04 contains data relating to the value cited in REF02.
<b>Notes:</b>	Utility Request: Conditional ESCO Response: Not Used  ESCO Request: Conditional Utility Response: Not Used  This segment is sent to report a change in the Bill Calculator. It may be necessary to send additional dependent data segments when requesting a change in either bill presenter (REF*BLT) or bill calculator. See Front Matter notes (pages i - iv) for further instructions.  Not used in Single Retailer Model.  REF~PC~DUAL REF~PC~LDC

Data Element Summary				
	Ref. Des.	Data Element	Name	Attributes
Mand.	REF01	128	Reference Identification Qualifier PC	M ID 2/3
Indicates this data segment identifies the party that will calculate billed charges.				
Must Use	REF02	127	Reference Identification DUAL	X AN 1/30
Each Party Calculates its own charges. "DUAL" SHOULD BE SENT WHEN:				
The ESCO is the Bill Presenter (REF*BLT= ESP) AND the utility will send an 810 to the ESCO with bill ready utility charges fully calculated;				
OR				
The Utility is the Bill Presenter (REF*BLT=LDC) AND the ESCO will send an 810 to the Utility with bill ready ESCO charges fully calculated;				
OR				
Each Party will present their own bill (REF*BLT=DUAL) AND each will calculate their own charges.				
The Utility Calculates the ESCO Charges				
RATE READY: The ESCO provides the rate or rate structure to the Utility. The Utility calculates the ESCO's portion of the bill.				
			LDC	

**Segment:** **REF** Reference Identification (Current Budget Billing Status)  
**Position:** 030  
**Loop:** LIN 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.  
 2 If either C04003 or C04004 is present, then the other is required.  
 3 If either C04005 or C04006 is present, then the other is required.  
**Semantic Notes:** 1 REF04 contains data relating to the value cited in REF02.  
**Notes:** Utility Request: Conditional  
 ESCO Response: Not Used

ESCO Request: Conditional  
 Utility Response: Not Used

This segment must be sent when the customer receives a consolidated bill AND the customer is being placed on a budget plan by the initiator of the transaction (either the Utility or ESCO) OR the customer's budget plan with the initiator of the transaction is being discontinued.  
 Budget billing changes can be requested only when consolidated billing is being used AND the billing party has agreed to calculate budget billing amounts for the non-billing party.

REF~NR~Y  
 REFF~NR~N

#### Data Element Summary

	<u>Ref.</u> <u>Des.</u>	<u>Data</u> <u>Element</u>	<u>Name</u>	<u>Attributes</u>
<b>Mand.</b>	<b>REF01</b>	<b>128</b>	<b>Reference Identification Qualifier</b>	<b>M ID 2/3</b>
			NR	Progress Payment Number
				Indicates a change to the customer's budget billing status for a customer on consolidated billing.
<b>Must Use</b>	<b>REF02</b>	<b>127</b>	<b>Reference Identification</b>	<b>X AN 1/30</b>
			N	This customer is no longer on budget billing for the sender's charges.
			Y	This customer is, or will be, on budget billing for the sender's charges.



<b>Segment:</b>	<b>REF</b> <b>Reference Identification (ESCO Late Fees)</b>
<b>Position:</b>	030
<b>Loop:</b>	LIN Optional (Must Use)
<b>Level:</b>	Detail
<b>Usage:</b>	Optional (Dependent)
<b>Max Use:</b>	1
<b>Purpose:</b>	To specify identifying information
<b>Syntax Notes:</b>	<b>1</b> At least one of REF02 or REF03 is required. <b>2</b> If either C04003 or C04004 is present, then the other is required. <b>3</b> If either C04005 or C04006 is present, then the other is required.
<b>Semantic Notes:</b>	<b>1</b> REF04 contains data relating to the value cited in REF02.
<b>Notes:</b>	<p>ESCO Request: Conditional  Utility Response: Conditional</p> <p>Utility Request: Not Used  ESCO Response: Not Used</p> <p>Where required by a utility this segment is used to report a change in the ESCOs late fee policy to the utility when the customer's bill option is Utility Rate Ready consolidated billing and the payment processing method is Pay-As-You-Get-Paid. This segment may be returned by the utility in the corresponding Response transaction.</p> <p>The code REFLF should be sent in the REF*TD segment at the account to identify the change.  REF~LF~N2  REF~LF~Y2</p>

Data Element Summary				
	<u>Ref.</u> <u>Des.</u>	<u>Data</u> <u>Element</u>	<u>Name</u>	<u>Attributes</u>
Mand.	REF01	128	Reference Identification Qualifier	M ID 2/3
			LF	Assembly Line Feed Location ESCO Late Fee Indicator
				Late fees will/will not be assessed by the Billing Party on ESCO past due amounts for the account being enrolled.
Optional	REF02	127	Reference Identification	X AN 1/30
			N2	No Late fees should NOT be assessed by the Billing Party on ESCO past due amounts.
			Y2	Yes Late fees should be assessed by the Billing Party on ESCO past due amounts.

<b>Segment:</b>	<b>REF</b> <b>Reference Identification (Partial Participation Portion)</b>
<b>Position:</b>	030
<b>Loop:</b>	LIN Optional (Must Use)
<b>Level:</b>	Detail
<b>Usage:</b>	Optional (Dependent)
<b>Max Use:</b>	1
<b>Purpose:</b>	To specify identifying information
<b>Syntax Notes:</b>	<b>1</b> At least one of REF02 or REF03 is required. <b>2</b> If either C04003 or C04004 is present, then the other is required. <b>3</b> If either C04005 or C04006 is present, then the other is required.
<b>Semantic Notes:</b>	<b>1</b> REF04 contains data relating to the value cited in REF02.
<b>Notes:</b>	Utility Request: Conditional ESCO Response: Not Used  ESCO Request: Conditional Utility Response: Not Used  This segment is sent to report a change in the portion of a customer's load that will be supplied by the ESCO where the customer is a partial requirements customer of the Utility.  REF~PGC~B REF~PGC~T

Data Element Summary				
	<u>Ref.</u> <u>Des.</u>	<u>Data</u> <u>Element</u>	<u>Name</u>	<u>Attributes</u>
Mand.	REF01	128	Reference Identification Qualifier	M ID 2/3
			PGC	Packing Group Code
				The value in REF02 indicates what portion of the customer's load will be served by the ESCO when the customer is a partial requirements customer of the Utility due to their participation in economic growth incentive programs.
Must Use	REF02	127	Reference Identification	X AN 1/30
			B	Base Only
			T	Total Load

<b>Segment:</b>	<b>REF</b> Reference Identification (Customer on Life Support)
<b>Position:</b>	030
<b>Loop:</b>	LIN Optional (Must Use)
<b>Level:</b>	Detail
<b>Usage:</b>	Optional (Dependent)
<b>Max Use:</b>	1
<b>Purpose:</b>	To specify identifying information
<b>Syntax Notes:</b>	<b>1</b> At least one of REF02 or REF03 is required. <b>2</b> If either C04003 or C04004 is present, then the other is required. <b>3</b> If either C04005 or C04006 is present, then the other is required.
<b>Semantic Notes:</b>	<b>1</b> REF04 contains data relating to the value cited in REF02.
<b>Notes:</b>	Request: Conditional Response: Not Used  ESCO must report a change in an electric customer's life support status for the Single Retailer Model. REF~SU~Y REF~SU~N

Data Element Summary				
	<u>Ref. Des.</u>	<u>Data Element</u>	<u>Name</u>	<u>Attributes</u>
<b>Mand.</b>	<b>REF01</b>	<b>128</b>	<b>Reference Identification Qualifier</b> SU	<b>M ID 2/3</b>
			Special Processing Code	
			Life support equipment verification. Customer requires life support equipment.	
<b>Must Use</b>	<b>REF02</b>	<b>127</b>	<b>Reference Identification</b> N Y	<b>X AN 1/30</b>
			Life Support Not Required	
			Life Support Required	

<b>Segment:</b>	<b>REF</b> Reference Identification (Gas Pool ID)
<b>Position:</b>	030
<b>Loop:</b>	LIN Optional (Must Use)
<b>Level:</b>	Detail
<b>Usage:</b>	Optional (Dependent)
<b>Max Use:</b>	1
<b>Purpose:</b>	To specify identifying information
<b>Syntax Notes:</b>	<b>1</b> At least one of REF02 or REF03 is required. <b>2</b> If either C04003 or C04004 is present, then the other is required. <b>3</b> If either C04005 or C04006 is present, then the other is required.
<b>Semantic Notes:</b>	<b>1</b> REF04 contains data relating to the value cited in REF02.
<b>Notes:</b>	Utility Request: Not Used ESCO Response: Not used  ESCO Request: Conditional Utility Response: Not Used  GAS ONLY. This segment is used when the ESCO moves a customer from one Gas Pool to another.  REF~VI~211234567

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

<b>Segment:</b>	<b>REF</b> Reference Identification (Gas Capacity Assignment/Obligation)
<b>Position:</b>	030
<b>Loop:</b>	LIN Optional (Must Use)
<b>Level:</b>	Detail
<b>Usage:</b>	Optional (Dependent)
<b>Max Use:</b>	1
<b>Purpose:</b>	To specify identifying information
<b>Syntax Notes:</b>	<b>1</b> At least one of REF02 or REF03 is required. <b>2</b> If either C04003 or C04004 is present, then the other is required. <b>3</b> If either C04005 or C04006 is present, then the other is required.
<b>Semantic Notes:</b>	<b>1</b> REF04 contains data relating to the value cited in REF02.
<b>Notes:</b>	Utility Request: Conditional ESCO Response: Not Used  ESCO Request: Conditional (used if supported by the Utility) Utility Response: Not Used  GAS ONLY. This segment is used to convey intended or obligated pipeline capacity requirements necessary to meet the needs of the end use customer. A change in pipeline capacity arrangements can only be sent during the non-heating season.  REF~GC~YES REF~GC~NO

Data Element Summary				
	<u>Ref.</u> <u>Des.</u>	<u>Data</u> <u>Element</u>	<u>Name</u>	<u>Attributes</u>
<b>Mand.</b>	<b>REF01</b>	<b>128</b>	<b>Reference Identification Qualifier</b>	<b>M ID 2/3</b>
			GC	Government Contract Number
				Gas Capacity Assignment/Obligation
<b>Must Use</b>	<b>REF02</b>	<b>127</b>	<b>Reference Identification</b>	<b>X AN 1/30</b>
			N	ESCO elects, or must, arrange for capacity for the customer being enrolled
			Y	ESCO wants, or must take, the Utility release or assignment of its pipeline capacity for the customer

**Segment:** **REF** Reference Identification (ISO Location Based Marginal Pricing Zones)

**Position:** 030

**Loop:** LIN 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.
- 2 If either C04003 or C04004 is present, then the other is required.
- 3 If either C04005 or C04006 is present, then the other is required.

**Semantic Notes:**

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

**Notes:**

Utility Request: Conditional  
ESCO Response: Not Used

ESCO Request: Not Used  
Utility Response: Not Applicable

ELECTRIC ONLY. This segment is sent to report a change in the LBMP zone for a customer.

REF~SPL~A

#### Data Element Summary

	<u>Ref.</u> <u>Des.</u>	<u>Data</u> <u>Element</u>	<u>Name</u>	<u>Attributes</u>
Mand.	REF01	128	Reference Identification Qualifier SPL	M ID 2/3
			Standard Point Location Code (SPLC) REF02 contains the ISO Assigned code for New York Location Based Pricing Zones when service type is EL. This is the pricing zone for the account being enrolled.	
Must Use	REF02	127	Reference Identification	X AN 1/30
			A code assigned by the ISO that represents a location based marginal pricing zone. Valid Values for REF02:	
		A	WEST	
		B	GENESE	
		C	CENTRL	
		D	NORTH	
		E	MHK VL	
		F	CAPITL	
		G	HUD VL	
		H	MILL WD	
		I	DUNWOD	
		J	N.Y.C.	
		K	LONGIL	
		M	HQ	
		O	OH	
		P	PJM	

<b>Segment:</b>	<b>REF</b> Reference Identification (Portion Taxed Residential)
<b>Position:</b>	030
<b>Loop:</b>	LIN Optional (Must Use)
<b>Level:</b>	Detail
<b>Usage:</b>	Optional (Dependent)
<b>Max Use:</b>	1
<b>Purpose:</b>	To specify identifying information
<b>Syntax Notes:</b>	<b>1</b> At least one of REF02 or REF03 is required. <b>2</b> If either C04003 or C04004 is present, then the other is required. <b>3</b> If either C04005 or C04006 is present, then the other is required.
<b>Semantic Notes:</b>	<b>1</b> REF04 contains data relating to the value cited in REF02.
<b>Notes:</b>	Utility Request: Conditional ESCO Response: Not Used  ESCO Request: Conditional Utility Response: Not Used  Where required by a utility, this segment must be sent to the utility when there has been a change in the portion of a non-residential account that is taxed at a residential rate AND the customer's bill option is Utility Rate Ready consolidated billing.  REF~RP~20 REF~RP~25

Data Element Summary				
	<u>Ref.</u> <u>Des.</u>	<u>Data</u> <u>Element</u>	<u>Name</u>	<u>Attributes</u>
Mand.	REF01	128	Reference Identification Qualifier	M ID 2/3
			RP Repetitive Pattern Code	
			Portion Taxed Residential	
			Percent of a Non-Residential account that should be considered residential for tax purposes.	
Must Use	REF02	127	Reference Identification	X AN 1/30
			The following codes are to be used:	
		20	Split Rate 10% Residential use	
		21	Split Rate 20% Residential use	
		22	Split Rate 30% Residential use	
		23	Split Rate 40% Residential use	
		24	Split Rate 50% Residential use	
		25	Split Rate 60% Residential use	
		26	Split Rate 70% Residential use	
		27	Split Rate 75% or above Residential use	

**Segment:** **REF** **Reference Identification (Account Settlement Indicator)**  
**Position:** 030  
**Loop:** LIN 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.  
 2 If either C04003 or C04004 is present, then the other is required.  
 3 If either C04005 or C04006 is present, then the other is required.  
**Semantic Notes:**  
 1 REF04 contains data relating to the value cited in REF02.  
**Notes:**  
 Change Requests: Conditional, for Electric accounts only  
 Change Accept Responses: Not Used  
 REF~TDT~C

**Data Element Summary**

	<u>Ref.</u> <u>Des.</u>	<u>Data</u> <u>Element</u>	<u>Name</u>	<u>Attributes</u>
<b>Mand.</b>	<b>REF01</b>	<b>128</b>	<b>Reference Identification Qualifier</b> TDT Technical Documentation Type Account Settlement Indicator	<b>M ID 2/3</b>
<b>Must Use</b>	<b>REF02</b>	<b>127</b>	<b>Reference Identification</b> The following codes are to be used: C Class Load Shape H Hourly M Mixed Account is settled with the NYISO with both Class Shape and Hourly data.	<b>X AN 1/30</b>



<b>Segment:</b>	<b>REF</b> Reference Identification (NYPA Discount Indicator)
<b>Position:</b>	030
<b>Loop:</b>	LIN Optional
<b>Level:</b>	Detail
<b>Usage:</b>	Optional (Dependent)
<b>Max Use:</b>	1
<b>Purpose:</b>	To specify identifying information
<b>Syntax Notes:</b>	<b>1</b> At least one of REF02 or REF03 is required. <b>2</b> If either C04003 or C04004 is present, then the other is required. <b>3</b> If either C04005 or C04006 is present, then the other is required.
<b>Semantic Notes:</b>	<b>1</b> REF04 contains data relating to the value cited in REF02.
<b>Notes:</b>	Change Requests: Electric accounts, if available in the utility's system and the utility do not otherwise provide the indicator through a non-EDI means. Change Accept Responses: Not Used  REF~YP~Y

Data Element Summary			
<u>Ref.</u>	<u>Data</u>	<u>Name</u>	<u>Attributes</u>
<u>Des.</u>	<u>Element</u>		
REF01	128	Reference Identification Qualifier YP	M ID 2/3
		Selling Arrangement NYPA Discount Indicator. The customer receives any special incentives from the New York Power Authority.	
REF02	127	Reference Identification	X AN 1/30
		The following codes are to be used:	
		N No, the customer does not have a NYPA Discount	
		Y Yes, the customer does have a NYPA Discount	

<b>Segment:</b>	<b>REF</b>	<b>Reference Identification (Utility Discount Indicator)</b>
<b>Position:</b>	030	
<b>Loop:</b>	LIN	Optional (Must Use)
<b>Level:</b>	Detail	
<b>Usage:</b>	Optional (Dependent)	
<b>Max Use:</b>	1	
<b>Purpose:</b>	To specify identifying information	
<b>Syntax Notes:</b>	<b>1</b> At least one of REF02 or REF03 is required. <b>2</b> If either C04003 or C04004 is present, then the other is required. <b>3</b> If either C04005 or C04006 is present, then the other is required.	
<b>Semantic Notes:</b>	<b>1</b> REF04 contains data relating to the value cited in REF02.	
<b>Notes:</b>	Change Requests: Conditional for non-residential accounts where the customer receives a commodity discount from the utility or a delivery discount that is dependent upon purchase of commodity from the utility. Further, the indicator should be set to "N" in cases where all non –residential customers in a rate class or service receive the same discount or when the delivery discount is portable, i.e. it applies whether the customer purchases commodity from the ESCO or the utility. Change Accept Responses: Not Used REF~SG~N	

Data Element Summary				
	<u>Ref. Des.</u>	<u>Data Element</u>	<u>Name</u>	<u>Attributes</u>
Mand.	REF01	128	Reference Identification Qualifier SG	M ID 2/3
			Savings Utility Discounts/Incentive Rate	
Must Use	REF02	127	Reference Identification	X AN 1/30
			The following codes are to be used:	
			N	No, there are not Utility Discounts/Incentive Rates
			Y	Yes, there are Utility Discounts/Incentive Rates

**Segment:** **REF** Reference Identification (Industrial Classification Code)  
**Position:** 030  
**Loop:** LIN 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.  
 2 If either C04003 or C04004 is present, then the other is required.  
 3 If either C04005 or C04006 is present, then the other is required.  
**Semantic Notes:**  
 1 REF04 contains data relating to the value cited in REF02.  
**Notes:**  
 Change Request: Conditional if available in the utility's system  
 Change Accept Responses: Not Used  
 REF~IJ~12345~SIC

#### Data Element Summary

	<u>Ref.</u> <u>Des.</u>	<u>Data</u> <u>Element</u>	<u>Name</u>	<u>Attributes</u>
Cond.	REF01	128	Reference Identification Qualifier IJ	M ID 2/3
			Standard Industry Classification (SIC) Code Standard Industry Classification (SIC) Code, or North American Industry Classification System (NAISC) Code	
Must Use	REF02	127	Reference Identification SIC or NAISC Code as stored in the Utility's system	X AN 1/30
Must Use	REF03	352	Description NAISC SIC	X AN 1/80
			Value contained in REF02 is an NAISC code Value contained in REF02 is an SIC code	

<b>Segment:</b>	<b>REF</b>	<b>Reference Identification (Utility Tax Exempt Status)</b>
<b>Position:</b>	030	
<b>Loop:</b>	LIN	Optional (Must Use)
<b>Level:</b>	Detail	
<b>Usage:</b>	Optional (Dependent)	
<b>Max Use:</b>	1	
<b>Purpose:</b>	To specify identifying information	
<b>Syntax Notes:</b>	1 At least one of REF02 or REF03 is required. 2 If either C04003 or C04004 is present, then the other is required. 3 If either C04005 or C04006 is present, then the other is required.	
<b>Semantic Notes:</b>	1 REF04 contains data relating to the value cited in REF02.	
<b>Notes:</b>	Change Requests: Conditional Change Accept Responses: Not Used  Signifies the existence of exemptions and/or certifications, if any, held by the utility that are used to bill the customer for utility services. The indicator is informational only; the utility's exemption is not transferable to the ESCO to bill the customer for ESCO services. The ESCO should not rely upon the utility's information for billing purposes and should contact the customer to obtain necessary information consistent with the requirements of the New York State Department of Taxation & Finance and any applicable laws.  REF~TX~Y	

Data Element Summary				
	<u>Ref.</u>	<u>Data</u>	<u>Name</u>	<u>Attributes</u>
	<u>Des.</u>	<u>Element</u>		
<b>Mand.</b>	<b>REF01</b>	<b>128</b>	<b>Reference Identification Qualifier</b>	<b>M ID 2/3</b>
			TX	Tax Exempt Number
				Indicates the Utility's Tax Exemption Status at the time the transaction is created.
<b>Must Use</b>	<b>REF02</b>	<b>127</b>	<b>Reference Identification</b>	<b>X AN 1/30</b>
			The following codes are to be used:	
			N	No, the customer is fully taxed for distribution charges at the time the transaction is created.
			Y	Yes, customer has some level of tax exemption for distribution charges at the time the transaction is created.

**Segment:** **DTM** **Date/Time Reference (Effective Date of Change)**  
**Position:** 040  
**Loop:** LIN 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:****Notes:**

Utility Request: Conditional  
 ESCO Response: Not Used

ESCO Request: Conditional  
 Utility Response: Conditional

This segment is required on all Utility initiated Requests (except for changes to Assigned Service Start or Assigned Service End Date). This segment is also required on the Utility Response to an ESCO Request for a change in customer billing option. This segment is required on ESCO initiated Requests reporting a change in the customer's mailing address when the Single Retailer Model is in effect.

This segment may also be sent on ESCO initiated Requests to report a change in ESCO Commodity Price, Fixed Charge or Rate Code when the Utility is the Bill Presenter and Bill Calculator (Rate Ready Consolidated Billing) AND the Utility has agreed to process price or rate changes on a date other than the regularly scheduled bill cycle date.

DTM~007~20060917

**Data Element Summary**

	<b>Ref.</b>	<b>Data</b>	<b>Name</b>	<b>Attributes</b>
	<b>Des.</b>	<b>Element</b>	<b>Qualifier</b>	
<b>Mand.</b>	<b>DTM01</b>	<b>374</b>	<b>Date/Time</b> 007 Effective The date that the requested change is, or will become, effective.	<b>M ID 3/3</b>
<b>Must Use</b>	<b>DTM02</b>	<b>373</b>	<b>Date</b> Date expressed in CCYYMMDD format.	<b>X DT 8/8</b>

**Segment:** **DTM** **Date/Time Reference (Assigned Service Start Date)**  
**Position:** 040  
**Loop:** LIN 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:**

**Notes:**

Utility Request: Conditional  
 ESCO Request: Not Used  
 Responses: Not Used

May be sent by the Utility only when an enrollment request for the customer is pending.

DTM~150~20060313

**Data Element Summary**

	<u>Ref.</u> <u>Des.</u>	<u>Data</u> <u>Element</u>	<u>Name</u>	<u>Attributes</u>
<b>Mand.</b>	<b>DTM01</b>	<b>374</b>	<b>Date/Time Qualifier</b>	<b>M ID 3/3</b>
			150 Service Period Start	
<b>Must Use</b>	<b>DTM02</b>	<b>373</b>	<b>Date</b>	<b>X DT 8/8</b>

The date, in the form CCYYMMDD, when the ESCO will begin serving the enrolling customer. The Utility determines the effective start date for an enrollment. This segment will be sent by the Utility when there is a change in the assigned service start date returned on an Enrollment Accept Response.

**Segment:** **DTM** Date/Time Reference (Assigned Service End Date)  
**Position:** 040  
**Loop:** LIN 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:****Notes:**

Utility Request: Conditional  
 ESCO Request: Not Used  
 Responses: Not Used

This segment is sent by the Utility when a Drop is pending for the customer and the assigned service end date will vary by more than three days from the date indicated in the preceding Drop transaction.

DTM~151~20060313

**Data Element Summary**

	<u>Ref.</u> <u>Des.</u>	<u>Data</u> <u>Element</u>	<u>Name</u>	<u>Attributes</u>
<b>Mand.</b>	<b>DTM01</b>	<b>374</b>	<b>Date/Time Qualifier</b>	<b>M ID 3/3</b>
			151 Service Period End	
<b>Must Use</b>	<b>DTM02</b>	<b>373</b>	<b>Date</b>	<b>X DT 8/8</b>
The date, in form CCYYMMDD, when the customer's service with the enrolled ESCO will end. The Utility will provide the effective end date.				

**Segment:** **DTM** Date/Time Reference (ICAP Effective Dates)

**Position:** 040  
**Loop:** LIN Optional  
**Level:** Detail  
**Usage:** Optional  
**Max Use:** >1  
**Purpose:** To specify pertinent dates and times  
**Syntax Notes:**  
 1 At least one of DTM02 DTM03 or DTM05 is required.  
 2 If DTM04 is present, then DTM03 is required.  
 3 If either DTM05 or DTM06 is present, then the other is required.

**Semantic Notes:**

**Comments:**

**Notes:**

Utility Request: Conditional  
 Utility Response: Not Used

ESCO Request: Not Used  
 ESCO Response: Not Used

DTM~AB2~~~~RD8~20140601-20150531

**Data Element Summary**

	<u>Ref.</u> <u>Des.</u>	<u>Data</u> <u>Element</u>	<u>Name</u>	<u>Attributes</u>
<b>Mand.</b>	<b>DTM01</b>	<b>374</b>	<b>Date/Time Qualifier</b> AB2 Time Period ICAP Tag Effective Dates	<b>M ID 3/3</b>
<b>Must Use</b>	<b>DTM05</b>	<b>1250</b>	<b>Date Time Period Format Qualifier</b> RD8 Range of Dates Expressed in Format CCYYMMDD- CCYYMMDD	<b>X ID 2/3</b>
<b>Must Use</b>	<b>DTM06</b>	<b>1251</b>	<b>Date Time Period</b> Period expressed in the format CCYYMMDD-CCYYMMDD	<b>X AN 1/35</b>



**Segment:** **AMT** Monetary Amount (ESCO Budget Plan Installment Amount)  
**Position:** 060  
**Loop:** LIN Optional (Must Use)  
**Level:** Detail  
**Usage:** Optional (Dependent)  
**Max Use:** 1  
**Purpose:** To indicate the total monetary amount  
**Syntax Notes:**  
**Semantic Notes:**  
**Notes:**

ESCO Request: Conditional  
Utility Response: Not Used

Utility Request: Not Used  
ESCO Response: Not Used

This segment is sent by an ESCO to request a change in the ESCO budget plan installment amount when the customer's bill option is Utility Rate Ready consolidated billing. Where required by a utility, this segment must be sent to the utility to effect a change in the monthly installment associated with an ESCO budget plan.

The REF\*TD segment at the account level should contain the code AMTB5 to designate this change.

AMT~B5~100  
AMT~B5~20

Data Element Summary				
	Ref. Des.	Data Element	Name	Attributes
Mand.	AMT01	522	Amount B5	M ID 1/3
			Qualifier Code	
			Budgeted	
			ESCO Budget Plan Installment Amount	
			The amount in AMT02 is the budget plan installment amount the customer is expected to pay each month for the period covered by the customer's budget plan with the ESCO.	
Mand.	AMT02	782	Monetary Amount	M R 1/18
			This element is a real number. Real numbers are assumed to be positive unless preceded by a minus sign. In this instance, budget installment amounts are whole numbers and will always be positive. See Front Matter notes regarding syntax for real number elements.	

**Segment:** **AMT** Monetary Amount (Tax Exemption Percent)  
**Position:** 060  
**Loop:** LIN Optional (Must Use)  
**Level:** Detail  
**Usage:** Optional (Dependent)  
**Max Use:** 1  
**Purpose:** To indicate the total monetary amount  
**Syntax Notes:**  
**Semantic Notes:**  
**Notes:**

ESCO Request: Conditional  
 Utility Request: Not Used  
 Responses: Not Used

This segment must be sent by the ESCO when there is a change in the tax exemption status of the account and the Utility is the bill calculator.

This segment is not applicable to the Single Retailer Model.

AMT~DP~1  
 AMT~DP~.75

#### Data Element Summary

	<u>Ref.</u> <u>Des.</u>	<u>Data</u> <u>Element</u>	<u>Name</u>	<u>Attributes</u>
Mand.	AMT01	522	Amount Qualifier Code DP Exemption Tax Exempt Percent: This code is used when some or all of the ESCO's service is exempt from state sales tax. See AMT02 for valid values.	M ID 1/3
Mand.	AMT02	782	Monetary Amount For percentage values, the whole number "1" represents 100 percent or the ESCO service is fully tax exempt from state sales taxes. Decimal numbers less than "1" represent percentages; "0" indicates the account is NOT exempt from state sales taxes.	M R 1/18

**Segment:** **AMT** Monetary Amount (ESCO Commodity Price)  
**Position:** 060  
**Loop:** LIN Optional (Must Use)  
**Level:** Detail  
**Usage:** Optional (Dependent)  
**Max Use:** 1  
**Purpose:** To indicate the total monetary amount  
**Syntax Notes:**  
**Semantic Notes:**  
**Notes:**

ESCO Request: Conditional  
 ESCO Response: Not Applicable

Utility Request: Not Used  
 Utility Response: Optional

This segment must be sent by the ESCO to report a change in commodity price when the bill option is Utility Rate Ready consolidated billing and the ESCO charges are being calculated based on a fixed price for all billed consumption on the account. The price change may be echoed back on the Utility Response transaction, at the option of the Utility, to confirm price changes.

This segment may be accompanied by a DTM\*007 segment to communicate the effective date of the price change when the applicable Utility has agreed to process price changes on a date other than the regularly scheduled bill cycle date.

AMT~RJ~.015  
 AMT~RJ~.05

#### Data Element Summary

	Ref. Des.	Data Element	Name	Attributes
Mand.	AMT01	522	Amount Qualifier Code	M ID 1/3
			RJ	Rate Amount ESCO rate for the customer expressed as a monetary amount.
Mand.	AMT02	782	Monetary Amount	M R 1/18
				Contains the unit price for each unit of measure for this customer.
				The ESCO will be required to provide rate codes, in lieu of prices, when different prices will be applied to each meter on a multi-metered account or the ESCO price will vary by either the unit of measure for each service end point or the time of day interval for individual service end points.

**Segment:** **AMT** Monetary Amount (ESCO Fixed Charge)  
**Position:** 060  
**Loop:** LIN Optional (Must Use)  
**Level:** Detail  
**Usage:** Optional (Dependent)  
**Max Use:** 1  
**Purpose:** To indicate the total monetary amount  
**Syntax Notes:**  
**Semantic Notes:**  
**Notes:**

Utility Request: Not Used  
ESCO Response: Not Applicable

ESCO Request: Conditional  
Utility Response: Not Used

This segment must be sent by the ESCO to report a change in the fixed charge per account when the bill option is Utility Rate Ready consolidated billing and the ESCO charges include a fixed charge on each account.

This segment may be accompanied by a DTM\*007 segment to communicate the effective date of the change in fixed charge when the applicable Utility has agreed to process price changes on a date other than the regularly scheduled bill cycle date.

AMT~FW~2.00

#### Data Element Summary

	<u>Ref.</u> <u>Des.</u>	<u>Data</u> <u>Element</u>	<u>Name</u>	<u>Attributes</u>
Mand.	AMT01	522	<b>Amount Qualifier Code</b>	<b>M ID 1/3</b>
			FW Flat Fee Paid Current Month	
			ESCO fixed charge expressed as a monetary amount.	
Mand.	AMT02	782	<b>Monetary Amount</b>	<b>M R 1/18</b>
			The fixed charge for this customer. Values must reflect two decimal places.	

**Segment:** **AMT** Monetary Amount(Customer's Tax Rate for ESCO Charges -1)  
**Position:** 060  
**Loop:** LIN Optional (Must Use)  
**Level:** Detail  
**Usage:** Optional (Dependent)  
**Max Use:** 1  
**Purpose:** To indicate the total monetary amount  
**Syntax Notes:**  
**Semantic Notes:**  
**Notes:**

ESCO Request: Conditional  
 ESCO Response: Not Applicable

Utility Request: Not Used  
 Utility Response: Optional

Utility Rate Ready Consolidated Billing Only.

This segment is sent by an ESCO to report a change in the customer's tax rate for all service on the account or for the portion of the service taxed at a residential rate when a REF\*RP segment was present in the Enrollment Request transaction.

The tax rate change may be echoed back on the Utility Accept Response transaction, at the option of the Utility, to confirm a tax rate change.

AMT~9M~.045

#### Data Element Summary

Ref.	Data	Name	Attributes
Des.	Element		
Mand.	AMT01	522 Amount	M ID 1/3

9M Tax Adjustments

The rate in AMT02 is the tax rate that should be used by the utility to calculate tax amounts associated with the ESCOs charges when the customer's bill option is Utility Rate Ready consolidated billing.

Mand.	AMT02	782 Monetary Amount	M R 1/18
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For percentage values, the whole number "1" will represent 100 percent; decimal numbers less than "1" represent percentages.

**Segment:** **AMT** Monetary Amount(Customer's Tax Rate for ESCO Charges -2)  
**Position:** 060  
**Loop:** LIN Optional (Must Use)  
**Level:** Detail  
**Usage:** Optional (Dependent)  
**Max Use:** 1  
**Purpose:** To indicate the total monetary amount  
**Syntax Notes:**  
**Semantic Notes:**  
**Notes:**

ESCO Request: Conditional  
ESCO Response: Not Applicable

Utility Request: Not Used  
Utility Response: Optional

Utility Rate Ready Consolidated Billing Only.

This segment is sent by an ESCO to report a change in the customer's tax rate for that portion of the customer's service that is being taxed at a commercial rate when a REF\*RP segment was present in the Enrollment Request transaction.

The tax rate change may be echoed back on the Utility Accept Response transaction, at the option of the Utility, to confirm a tax rate change.

AMT~9N~.075

#### Data Element Summary

Ref.	Data	Name	Attributes
Des.	Element	Amount Qualifier Code	
Mand.	AMT01	522	M ID 1/3

9N Tax Balance

The rate in AMT02 is the tax rate that should be used by the utility to calculate tax amounts associated with the ESCOs charges applicable to the portion of the customer's service taxed at a commercial rate.

Mand.	AMT02	782	M R 1/18
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**Monetary Amount**

For percentage values, the whole number "1" will represent 100 percent; decimal numbers less than "1" represent percentages.

**Segment:** **AMT** Monetary Amount (ICAP)  
**Position:** 060  
**Loop:** LIN Optional (Must Use)  
**Level:** Detail  
**Usage:** Optional (Dependent)  
**Max Use:** >1  
**Purpose:** To indicate the total monetary amount  
**Syntax Notes:**  
**Semantic Notes:**  
**Comments:**  
**Notes:**

Utility Request: Conditional  
 ESCO Response: Not Used

ESCO Request: Not Used  
 Utility Response: Not Applicable

Sent for Electric accounts, if available, to report a change in the customer's peak load contribution for Electric Service.

AMT03 is a general indicator; i.e. it is not tied to any specific program

AMT~KZ~.015  
 AMT~KZ~0.15~C

#### Data Element Summary

	<u>Ref.</u> <u>Des.</u>	<u>Data</u> <u>Element</u>	<u>Name</u>	<u>Attributes</u>
Mand.	AMT01	522	Amount Qualifier Code KZ Corrective Action Requests - Written ICAP Tag	M ID 1/3
Mand.	AMT02	782	Monetary Amount For percentage values, the whole number "1" represents 100 percent; decimal numbers less than "1" represent percentages from 1 percent to 99.99 percent.	M R 1/18
	AMT03	478	Credit/Debit Flag Code C Credit Yes, there is a Special Program Adjustment Indicator related to the ICAP Tag. For example, a NYPA adjustment has been applied. D Debit No, there is no Special Program Adjustment Indicator related to the ICAP Tag.	ID 1/1

<b>Segment:</b>	<b>NM1</b> Metered or Un-Metered Service Points
<b>Position:</b>	080
<b>Loop:</b>	NM1 Optional (Dependent)
<b>Level:</b>	Detail
<b>Usage:</b>	Optional (Dependent)
<b>Max Use:</b>	1
<b>Purpose:</b>	To supply the full name of an individual or organizational entity
<b>Syntax Notes:</b>	<b>1</b> If either NM108 or NM109 is present, then the other is required. <b>2</b> If NM111 is present, then NM110 is required.
<b>Semantic Notes:</b>	<b>1</b> NM102 qualifies NM103.
<b>Notes:</b>	Utility Request: Conditional ESCO Response: Optional  ESCO Request: Conditional Utility Response: Optional  This segment is used to communicate changes at the meter or service end point level. At the Detail Level, all change requests should be grouped by meter in individual LIN Loops, e.g. multiple changes pertaining to the same meter may be sent in one LIN Loop (refer to examples in this implementation guide).  'MA' is used for a meter addition. 'MQ' is used when changes to existing meter data are being sent. 'MX' is used for a meter exchange. 'MR' is used when a meter has been removed but the account will remain active.  A Drop transaction, rather than a Change, will be sent when a meter removal is done coincident with an account termination.  NM1~MA~3~~~~~32~A1234567 Meter addition (new meter number supplied) NM1~MQ~3~~~~~32~A1234567 Change in existing meter or service end point data (when a meter number is being corrected, the corrected meter number is supplied)  NM1~MR~3~~~~~93~A1234567 Meter removal (removed meter number is supplied or the word "Un-metered")  NM1~MX~3~~~~~32~A1234567 Meter exchange (new meter number supplied - old meter number sent in a REF*46)

## Data Element Summary

<u>Mand.</u>	<u>Ref.</u> <u>Des.</u>	<u>Data</u> <u>Element</u>	<u>Name</u>	<u>Attributes</u>
	NM101	98	Entity Identifier Code	M ID 2/3
			MA	Party for whom Item is Ultimately Intended Indicates a Meter Addition. Used when an additional meter is added to a multi-metered account or un-metered account or, when a new meter is added to an active account whose old meter had been recently removed (see the MR code).
			MQ	Metering Location Indicates that this NM1 loop contains a change to delivery point or meter related information unrelated to a meter addition, removal, or exchange. Used when a meter service attribute is changed or when erroneous meter numbers are corrected (for corrections, the NM1*MQ is used in conjunction with the REF*46 segment, which is used to send the incorrect meter number).



			MR	Medical Insurance Carrier	
				Indicates a Meter Removal. This code is used when: one or more meters are removed from a multi-metered account; an account with a single meter is changed to UNMETERED or; a meter has been removed temporarily but the account remains active and another meter is added.	
			MX	Juvenile Witness	
				Indicates a Meter Exchange. This code value in this segment will be used in conjunction with a REF*46 segment, which will contain the old meter number, when there has been a meter exchange. This would include instances in which a meter is added to a previously un-metered account.	
<b>Mand.</b>	<b>NM102</b>	<b>1065</b>	<b>Entity Type Qualifier</b>	<b>M</b>	<b>ID 1/1</b>
			3	Unknown	
				NM102 is an X12 required element.	
<b>Must Use</b>	<b>NM108</b>	<b>66</b>	<b>Identification Code Qualifier</b>	<b>X</b>	<b>ID 1/2</b>
			32	Assigned by Property Operator	
				Use when NM109 contains a meter number.	
			93	Code assigned by the organization originating the transaction set	
				Use when NM109 is not a meter number.	
<b>Must Use</b>	<b>NM109</b>	<b>67</b>	<b>Identification Code</b>	<b>X</b>	<b>AN 2/80</b>
				If NM108 = 32: NM109 will contain the Utility meter number (in conformance with the conditions described above).	
				If NM108 = 93: NM109 will contain the literal "UNMETERED" ( for unmetered accounts) OR the literal "ALL" (used when changes apply to all meters in a multi-metered account).	

<b>Segment:</b>	<b>REF</b> Reference Identification (Reason for Change - Meter Level)
<b>Position:</b>	130
<b>Loop:</b>	NM1 Optional (Dependent)
<b>Level:</b>	Detail
<b>Usage:</b>	Optional (Dependent)
<b>Max Use:</b>	>1
<b>Purpose:</b>	To specify identifying information
<b>Syntax Notes:</b>	<ol style="list-style-type: none"> <li>1 At least one of REF02 or REF03 is required.</li> <li>2 If either C04003 or C04004 is present, then the other is required.</li> <li>3 If either C04005 or C04006 is present, then the other is required.</li> </ol>
<b>Semantic Notes:</b>	<ol style="list-style-type: none"> <li>1 REF04 contains data relating to the value cited in REF02.</li> </ol>
<b>Notes:</b>	<p>Request: Conditional</p> <p>Response: Optional</p> <p>This REF segment is required to identify the data segment that is being changed when changes in data segment(s) sent at the meter level are bring reported.</p> <p>REF~TD~REFNH</p>

Data Element Summary				
	<u>Ref.</u> <u>Des.</u>	<u>Data</u> <u>Element</u>	<u>Name</u>	<u>Attributes</u>
Mand.	REF01	128	Reference Identification Qualifier TD	M ID 2/3
Must Use	REF02	127	Reference Identification NM1MQ	X AN 1/30
			NM1MR	Meter removal
			NM1MX	Meter exchange
			NM1MA	Meter addition
			REFLO	Change Load Profile
				Use this code to report a change in the Utility's Load Profile Group Code
			REFMT	Change Meter Type
				Use this code to report changes in measurement type and/or reporting intervals
			REFNH	Change Utility Rate Service Class
			REFPR	Change Utility Rate Sub Class
			REFRB	Change ESCO Rate Code
			REFTU	Change Use Time of Day

<b>Segment:</b>	<b>REF</b> Reference Identification (Old Meter Number)
<b>Position:</b>	130
<b>Loop:</b>	NM1 Optional (Dependent)
<b>Level:</b>	Detail
<b>Usage:</b>	Optional (Dependent)
<b>Max Use:</b>	1
<b>Purpose:</b>	To specify identifying information
<b>Syntax Notes:</b>	<b>1</b> At least one of REF02 or REF03 is required. <b>2</b> If either C04003 or C04004 is present, then the other is required. <b>3</b> If either C04005 or C04006 is present, then the other is required.
<b>Semantic Notes:</b>	<b>1</b> REF04 contains data relating to the value cited in REF02.
<b>Notes:</b>	Utility Request: Conditional ESCO Response: Not Used  ESCO Request: Not Used Utility Response: Not Applicable  This segment is used when a meter exchange (MX) is being reported. In this situation, the new meter number is sent in the NM1 segment and the old meter number is sent in this REF segment. This segment is also used when a corrected meter number is being communicated.  REF~46~123456789 REF~46~UNMETERED

Data Element Summary				
	Ref. Des.	Data Element	Name	Attributes
Mand.	REF01	128	Reference Identification Qualifier 46 Old Meter Number Identifies meters being removed	M ID 2/3
Must Use	REF02	127	Reference Identification Old meter number.	X AN 1/30

<b>Segment:</b>	<b>REF</b> Reference Identification (Utility Rate Service Class)
<b>Position:</b>	130
<b>Loop:</b>	NM1 Optional (Dependent)
<b>Level:</b>	Detail
<b>Usage:</b>	Optional (Dependent)
<b>Max Use:</b>	1
<b>Purpose:</b>	To specify identifying information
<b>Syntax Notes:</b>	<ol style="list-style-type: none"> <li>1 At least one of REF02 or REF03 is required.</li> <li>2 If either C04003 or C04004 is present, then the other is required.</li> <li>3 If either C04005 or C04006 is present, then the other is required.</li> </ol>
<b>Semantic Notes:</b>	<ol style="list-style-type: none"> <li>1 REF04 contains data relating to the value cited in REF02.</li> </ol>
<b>Notes:</b>	<p>Utility Request: Conditional ESCO Response: Not Used</p> <p>ESCO Request: Not Used Utility Response: Not Applicable</p> <p>This segment is sent by the Utility to report a change in the customer's service class designation.</p> <p>REF~NH~1B REF~NH~931</p>

#### Data Element Summary

	<u>Ref.</u> <u>Des.</u>	<u>Data</u> <u>Element</u>	<u>Name</u>	<u>Attributes</u>
<b>Mand.</b>	<b>REF01</b>	<b>128</b>	<b>Reference Identification Qualifier</b> NH Rate Card Number	<b>M ID 2/3</b>
			REF02 contains the Utility specific rate code that references the service class and rates applicable to this service delivery point.	
<b>Must Use</b>	<b>REF02</b>	<b>127</b>	<b>Reference Identification</b> Utility Rate code as found in the tariff. (This code can be used to retrieve rates from a utility's web site.)	<b>X AN 1/30</b>

**Segment:** **REF** Reference Identification (Utility Rate Sub Class)

**Position:** 130

**Loop:** NM1 Optional (Dependent)

**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.
- 2 If either C04003 or C04004 is present, then the other is required.
- 3 If either C04005 or C04006 is present, then the other is required.

**Semantic Notes:**

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

**Notes:**

Utility Request: Conditional  
ESCO Response: Not Used

ESCO Request: Not Used  
Utility Response: Not Applicable

REF~PR~0151  
REF~PR~NRSVD

## Data Element Summary

	<u>Ref.</u> <u>Des.</u>	<u>Data</u> <u>Element</u>	<u>Name</u>	<u>Attributes</u>
Mand.	REF01	128	Reference Identification Qualifier PR	M ID 2/3
			Price Quote Number	
			Utility Rate Subclass - Used to provide further classification of a rate.	
Must Use	REF02	127	Reference Identification	X AN 1/30
			Provides further clarification of a tariff specified in the REF where REF01=NH.	

**Segment:** **REF** Reference Identification (Utility Load Profile Group Code)

**Position:** 130

**Loop:** NM1 Optional (Dependent)

**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.
- 2 If either C04003 or C04004 is present, then the other is required.
- 3 If either C04005 or C04006 is present, then the other is required.

**Semantic Notes:**

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

**Notes:**

Utility Request: Conditional  
 ESCO Response: Not Used

ESCO Request: Not Used  
 Utility Response: Not Applicable

REF~LO~L01

#### Data Element Summary

	<u>Ref.</u> <u>Des.</u>	<u>Data</u> <u>Element</u>	<u>Name</u>	<u>Attributes</u>
Mand.	REF01	128	Reference Identification Qualifier LO	M ID 2/3
			Load Planning Number REF02 is the Utility assigned electric load profile code.	
Must Use	REF02	127	Reference Identification	X AN 1/30
			Utility assigned load profile code. Load profile code definitions are provided on the Utility web site.	

<b>Segment:</b>	<b>REF</b> Reference Identification (Measurement Type and Reporting Interval)
<b>Position:</b>	130
<b>Loop:</b>	NM1 Optional (Dependent)
<b>Level:</b>	Detail
<b>Usage:</b>	Optional (Dependent)
<b>Max Use:</b>	1
<b>Purpose:</b>	To specify identifying information
<b>Syntax Notes:</b>	<b>1</b> At least one of REF02 or REF03 is required. <b>2</b> If either C04003 or C04004 is present, then the other is required. <b>3</b> If either C04005 or C04006 is present, then the other is required.
<b>Semantic Notes:</b>	<b>1</b> REF04 contains data relating to the value cited in REF02.
<b>Notes:</b>	Utility Request: Conditional ESCO Response: Not Used  ESCO Request: Not Used Utility Response: Not Applicable

This segment is sent to describe the measurement types and reporting intervals associated with the service delivery point(s) identified in the NM109 segment when a meter addition (NM01='MA'), a meter exchange (NM01='MX') or a change in existing meter data (NM01='MQ') is being reported. In some instances, a REF\*TU segment may be required in conjunction with the REF\*MT to adequately describe the consumption and reporting intervals for specific service end points.

REF~MT~KHMON  
REF~MT~COMBO  
REF~MT~TDMON  
REF~MT~KH030

#### Data Element Summary

	<u>Ref.</u> <u>Des.</u>	<u>Data</u> <u>Element</u>	<u>Name</u>	<u>Attributes</u>
<b>Mand.</b>	<b>REF01</b>	<b>128</b>	<b>Reference Identification Qualifier</b> MT Meter Ticket Number Meter type. Used to identify the type of consumption measured by a meter and the interval between measurements or the type of consumption and reporting interval applicable to the un-metered service delivery points on the account.	<b>M ID 2/3</b>
<b>Cond.</b>	<b>REF02</b>	<b>127</b>	<b>Reference Identification</b> The type and reporting interval for consumption measurements are described in a five-character field. The first two characters are used to describe the type of consumption. The last three characters describe the reporting interval.  The literal "COMBO" is sent in the REF02 when the service delivery point(s) identified in the NM109 is capable of providing different measurement types and/or providing measurements for more than one time period in a day. When the REF*MT segment contains "COMBO" OR usage is being measured in timed intervals (e.g. on peak), multiple REF*TU segments are used to provide the measurement types and the daily time period(s) for each measurement the meter will provide, as well as the reporting intervals used for billing.	<b>X AN 1/30</b>

When only one measurement type is applicable to the metered or un-metered service points identified in the NM109 element, the REF02 in this segment should contain one of the following codes as the first two characters to describe the type of consumption:

K1 Kilowatt Demand (kW)  
K2 Kilovolt Amperes Reactive Demand (kVAR)  
K3 Kilovolt Amperes Reactive Hour (kVARH)  
K4 Kilovolt Amperes (kVA)  
K5 Kilovolt Amperes Reactive (kVAR)  
KH Kilowatt Hour (kWh)  
HH Hundred Cubic Feet (CCF)  
TZ Thousand Cubic Feet (MCF)  
TD Therms

The following codes are used in the last three characters of the REF02 to document the interval capabilities for the metered or un-metered service delivery point(s) identified in the NM109. If that capability is not known then the interval that should be reported is the scheduled meter reading interval.

BIM Bi-Monthly  
DAY Daily  
MON Monthly  
QTR Quarterly  
TOU Time of Use

001-999 - Reporting Intervals (e.g. 015 indicates 15 minute intervals, 060 indicates 60 minute intervals, etc.)



<b>Segment:</b>	<b>REF</b> Reference Identification (Use Time of Day)
<b>Position:</b>	130
<b>Loop:</b>	NM1 Optional (Dependent)
<b>Level:</b>	Detail
<b>Usage:</b>	Optional (Dependent)
<b>Max Use:</b>	>1
<b>Purpose:</b>	To specify identifying information
<b>Syntax Notes:</b>	<ol style="list-style-type: none"> <li>1 At least one of REF02 or REF03 is required.</li> <li>2 If either C04003 or C04004 is present, then the other is required.</li> <li>3 If either C04005 or C04006 is present, then the other is required.</li> </ol>
<b>Semantic Notes:</b>	1 REF04 contains data relating to the value cited in REF02.
<b>Notes:</b>	<p>Utility Request: Conditional ESCO Response: Not Used</p> <p>ESCO Request: Not Used Utility Response: Not Applicable</p> <p>This segment is sent when there is a change in the manner in which usage will be measured on an account due to a meter addition, a meter exchange or a correction to previously reported data AND the "COMBO" code was sent in the REF*MT segment OR usage is measured in time intervals.</p> <p>REF~TU~51~KHMON } The service point identified in NM109 measures kilowatt REF~TU~41~KHMON } hours monthly for four time intervals: Total, Off Peak, REF~TU~42~KHMON } On Peak and Shoulder Peak. REF~TU~43~KHMON }</p>

Data Element Summary				
	Ref. Des.	Data Element	Name	Attributes
Mand.	REF01	128	Reference Identification Qualifier	M ID 2/3
			TU	Trial Location Code
				REF02 will contain a code that indicates the time of day for which measurements are obtained.
Must Use	REF02	127	Reference Identification	X AN 1/30
			41	Off Peak
			42	On Peak
			43	Intermediate Peak
			51	Total/Totalizer
				Use "51" when:
				The total of all consumption of the indicated type for all periods recorded by the meter indicated in the NM1 segment will be reported in the 867 transaction. For example, if only the total usage for a metered service point will be sent in the 867, the REF*TU segment should contain "51". When consumption will be reported by intervals on the 867 transaction, for example, off peak, on peak, and total then multiple REF*TU segments must be present with codes of "41","42" and "51" for the applicable metered service point.

The REF03 element is used to associate the time of day intervals in REF02 with the measurement type and meter cycle frequency for the meter(s) indicated in the NM109 element.

For example, if a specific meter provides both kilowatt hours and demand measurements for peak and off peak intervals for a monthly reading period, multiple REF\***TU** segments would be sent as follows:

REF~**TU**~41~KHMON

REF~**TU**~42~KHMON

REF~**TU**~41~K1MON

REF~**TU**~42~K1MON

Valid values for REF03 for consumption types:

K1 Kilowatt Demand (kW)

K2 Kilovolt Amperes Reactive Demand (kVAR)

K3 Kilovolt Amperes Reactive Hour (kVARH)

K4 Kilovolt Amperes (kVA)

K5 Kilovolt Amperes Reactive (kVAR)

KH Kilowatt Hour (kWh)

Valid values for metering periods to be reported on an 867:

BIM Bi-Monthly

DAY Daily

MON Monthly

QTR Quarterly

TOU Time of Use

001-999 is used to report the number of minutes in an interval for an interval meter.

<b>Segment:</b>	<b>REF</b> <b>Reference Identification (ESCO Rate Code)</b>
<b>Position:</b>	130
<b>Loop:</b>	NM1 Optional (Dependent)
<b>Level:</b>	Detail
<b>Usage:</b>	Optional (Dependent)
<b>Max Use:</b>	1
<b>Purpose:</b>	To specify identifying information
<b>Syntax Notes:</b>	<b>1</b> At least one of REF02 or REF03 is required. <b>2</b> If either C04003 or C04004 is present, then the other is required. <b>3</b> If either C04005 or C04006 is present, then the other is required.
<b>Semantic Notes:</b>	<b>1</b> REF04 contains data relating to the value cited in REF02.
<b>Notes:</b>	Utility Request: Not Used ESCO Response: Not Applicable  ESCO Request: Conditional Utility Response: Conditional  This segment must be sent by the ESCO to report a change in the ESCO Rate Code when the bill option is Utility Rate Ready consolidated billing and the ESCO charges are being calculated based on a rate code table. This segment may be echoed back in Utility Accept Responses at the discretion of the utility. This segment may be accompanied by a DTM*007 segment to communicate the effective date of the change in Rate Code when the applicable Utility has agreed to process such changes on a date other than the regularly scheduled bill cycle date.  REF~RB~R23X40 REF~RB~1150100

Data Element Summary				
	<u>Ref.</u> <u>Des.</u>	<u>Data</u> <u>Element</u>	<u>Name</u>	<u>Attributes</u>
<b>Mand.</b>	<b>REF01</b>	<b>128</b>	<b>Reference Identification Qualifier</b>	<b>M ID 2/3</b>
			RB	Rate code number REF02 Contains the ESCO Rate Code that will indicate the prices to be applied to this service point.
<b>Must Use</b>	<b>REF02</b>	<b>127</b>	<b>Reference Identification</b>	<b>X AN 1/30</b>
				An alphanumeric rate code indicating a table of rates used to calculate net charges associated with this metering point.

**Segment:** **SE** Transaction Set Trailer  
**Position:** 150  
**Loop:**  
**Level:** Detail  
**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:**

**Notes:**

Request: Required  
 Response: Required  
 SE~27~0001

**Data Element Summary**

	<u>Ref.</u> <u>Des.</u>	<u>Data</u> <u>Element</u>	<u>Name</u>	<u>Attributes</u>
Mand.	SE01	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 only. Although they are syntactically correct with respect to the published transaction standard for TS814 Change Request & Response, it should be understood that these examples reflect certain assumptions regarding optional and conditional data segments in this standard. Accordingly, these examples are not necessarily indicative of the manner in which a specific Utility or ESCO would map a specific transaction.

### *Scenario 1A: Utility Change Request – Correct Customer Name*

ST*814*0001!	Transaction Set header; transaction defined is an <b>814</b> ; control number assigned by originator
BGN*13*20060918001*20060918!	Transaction is a <b>Request</b> ; Unique id number for this transaction; transaction creation date
N1*SJ*ESCO NAME*1*845767011!	ESCO Name and DUNS number
N1*8S*UTILITY NAME*1*006977763!	Utility Name and DUNS number
N1*8R*ALFRED K BROWN!	New Customer Name
LIN*AABBDD001*SH*EL*SH*CE!	Unique transaction reference number, request pertains to electric services
ASI*7*001!	Action is a Change Request
REF*TD*N18R!	Change Reason - Change in Customer Name or Service Address
REF*12*011231287654398!	Utility Account Number
DTM*007*20060918!	Effective Change Date
SE*11*0001!	Transaction Set trailer; segment count; control number

### *Scenario 1B: ESCO Response to Request to Change Customer Name*

ST*814*0003!	Transaction Set header; transaction defined is an <b>814</b> ; control number assigned by originator
BGN*11*00013415*20060920***20060918001!	Transaction is a <b>Response</b> ; Unique id number for this transaction; transaction creation date; BGN02 from Request transaction
N1*SJ*ESCO NAME*1*845750011!	ESCO Name and DUNS number
N1*8S*UTILITY NAME*1*006977763!	Utility Name and DUNS number
LIN*AABBDD001*SH*EL*SH*CE!	Unique transaction reference number, response pertains to electric services
ASI*WQ*001!	Accept Request
REF*TD*N18R!	Echo Back Change Reason - Change in Customer Name or Service Address
REF*12*011231287654398!	Utility Account Number
SE*9*0003!	Transaction Set trailer; segment count; control number

**Scenario 2A: ESCO Change Request – Change Mailing Address and Telephone Number**

ST*814*0002!	Transaction Set header; transaction defined is an <b>814</b> ; control number assigned by originator
BGN*13*200609185101*20060918!	Transaction is a <b>Request</b> ; Unique id number for this transaction; transaction creation date
N1*SJ*ESCO NAME*1*845750011!	ESCO Name and DUNS number
N1*8S*UTILITY NAME*1*006982359!	Utility Name and DUNS number
N1*BT*SAMS SHOES C/O A.E.JONES, CPA!	New Name for Mailing
N3*237 WEST 35 ST 16FL!	New Mailing Address – Street
N4*NEW YORK*NY*10001-1905!	New Mailing Address – City, State, Postal Code
PER*IC**TE*2125556271!	New Telephone Number
LIN*AC2006089A*SH*EL*SH*CE!	Unique transaction reference number, request pertains to electric service
ASI*7*001!	Action is a Change Request
REF*TD*N1BT!	Change Reason – Change in Name for Mailing or Mailing Address
REF*12*994102162510009!	Utility Account Number
LIN*AC2006089B*SH*EL*SH*CE!	2 <sup>nd</sup> LIN Request
ASI*7*001!	Action is a Change Request
REF*TD*PERIC!	Change Reason – Change in Customer's Telephone Number
REF*12*994102162510009!	Utility Account Number
SE*17*0002!	Transaction Set trailer; segment count; control number

**2. B. Response(s) to Request to Change Mailing Address and Telephone Number**  
**(Separate Response transaction for each LIN Request)**

**a. First Response Transaction:**

ST*814*0004!	Transaction Set header; transaction defined is an <b>814</b> ; control number assigned by originator
BGN*11*00056799*20060920***200609185101!	Transaction is a <b>Response</b> ; Unique id number for this transaction; transaction creation date; BGN02 from Request transaction
N1*SJ*ESCO NAME*1*845750011!	ESCO Name and DUNS number
N1*8S*UTILITY NAME*1*006982359!	Utility Name and DUNS number
LIN*AC2006089A*SH*EL*SH*CE!	Unique transaction reference number for the request, response pertains to electric service
ASI*WQ*001!	Accept Request
REF*TD*N1BT!	Echo Back Change Reason – Change in Name for Mailing or Mailing Address
REF*12*994102162510009!	Utility Account Number
DTM*007*20060920!	Effective Date of Change
SE*10*0004!	Transaction Set trailer; segment count; control number

***b. Second Response Transaction:***

ST*814*0005!	Transaction Set header; transaction defined is an <b>814</b> ; control number assigned by originator
BGN*11*20060920048*20060920***200609185101!	Transaction is a <b>Response</b> ; Unique id number for this transaction; transaction creation date; BGN02 from Request transaction
N1*SJ*ESCO NAME*1*845750011!	ESCO Name and DUNS number
N1*8S*UTILITY NAME*1*006982359!	Utility Name and DUNS number
LIN*AC2006089B*SH*EL*SH*CE!	Unique transaction reference number for the request, response pertains to electric service
ASI*WQ*001!	Accept Request
REF*TD*PERIC!	Echo back Change Reason – Change in Customer's Telephone Number
REF*12*994102162510009!	Utility Account Number
DTM*007*20060920!	Effective Date of Change
SE*10*0005!	Transaction Set trailer; segment count; control number

***Scenario 3A: Utility Request – Meter Exchange: Change Meter Read Cycle, Bill Cycle, Rate Service Class, Measurement Type***

ST*814*0005!	Transaction Set header; transaction defined is an <b>814</b> ; control number assigned by originator
BGN*13*10000301145101*20060918!	Transaction is a <b>Request</b> ; Unique id number for this transaction; transaction creation date
N1*SJ*ESCO NAME*1*845750011!	ESCO Name and DUNS number
N1*8S*UTILITY NAME*1*848068529!	Utility Name and DUNS number
LIN*ABC001*SH*GAS*SH*CE!	Unique transaction reference number, change pertains to gas services
ASI*7*001!	Action is a Change Request
REF*TD*REF65!	Change Reason Code – Change in Meter Cycle Code
REF*12*3754464703!	Utility Account Number
REF*65*15*MON!	New Meter Cycle Code and Frequency
DTM*007*20061015!	Effective Date of Change
LIN*ABC002*SH*GAS*SH*CE!	2 <sup>nd</sup> LIN Request
ASI*7*001!	Action is a Change Request
REF*TD*REFBF!	Change Reason - Change in Bill Cycle Code
REF*12*3754464703!	Utility Account Number
REF*BF*15*MON!	New Bill Cycle Code and Frequency
DTM*007*20061015!	Effective Date of Change
LIN*ABC003*SH*GAS*SH*CE!	3 <sup>rd</sup> LIN Request
ASI*7*001!	Action is a Change Request
REF*12*3754464703!	Utility Account Number
DTM*007*20061015!	Effective Date of Change
NM1*MX*3*****32*00926770!	Start of Meter Attribute Change Loop; New Meter Number
REF*TD*NM1MX!	Change Reason - Meter Exchange
REF*TD*REFMT!	Change Reason – Change in measurement type
REF*TD*REFNH!	Change Reason – Change in Utility Rate Service Class
REF*46*000527469!	Meter Number for the meter that was removed
REF*NH*170!	New Rate Service Class
REF*MT*HHMON!	New Measurement Type
SE*28*0005!	Transaction Set trailer; segment count; control number

**Scenario 3B: ESCO Response to Meter Exchange Request**

ST*814*0006!	Transaction Set header; transaction defined is an <b>814</b> ; control number assigned by originator
BGN*11*10000402072435*20060920***10000301145101!	Transaction is a <b>Response</b> ; Unique id number for this transaction; transaction creation date; BGN02 from Request transaction
N1*SJ*ESCO NAME*1*845750011!	ESCO Name and DUNS number
N1*8S*UTILITY NAME*1*848068529!	Utility Name and DUNS number
LIN*ABC001*SH*GAS*SH*CE!	Unique transaction reference number for the request, response pertains to gas services
ASI*WQ*001!	Accept Request
REF*12*3754464703!	Utility Account Number
LIN*ABC002*SH*GAS*SH*CE!	2 <sup>nd</sup> LIN Request
ASI*WQ*001!	Accept Request
REF*12*3754464703!	Utility Account Number
LIN*ABC003*SH*GAS*SH*CE!	3 <sup>rd</sup> LIN Request
ASI*WQ*001!	Accept Request
REF*12*3754464703!	Utility Account Number
SE*14*0006!	Transaction Set trailer; segment count; control number



**Scenario 4A: ESCO Request:****Change Bill Option from Dual to Utility Rate Ready Consolidated**

ST*814*0001!	Transaction Set header; transaction defined is an <b>814</b> ; control number assigned by originator
BGN*13*20060918058*20060918!	Transaction is a <b>Request</b> ; Unique id number for this transaction; transaction creation date
N1*SJ*ESCO NAME*1*845750011!	ESCO Name & DUNS number
N1*8S*UTILITY NAME*1*006994708!	Utility Name & DUNS number
N1*8R*HICKORY VILLAGE!	ESCO Customer Name
LIN*20060918A051*SH*GAS*SH*CE!	Unique transaction reference number, change pertains to gas service
ASI*7*001!	Action is a Change Request
REF*TD*REFBLT!	Change Reason Code – Change Bill Presenter
REF*11*A12345009Z!	ESCO Account Number for the Customer
REF*12*5219350004!	Utility Account Number for the Customer
REF*BLT*LDC!	New Bill Presenter is Utility
LIN*20060918A052*SH*GAS*SH*CE!	<b>2<sup>nd</sup> LIN Request</b>
ASI*7*001!	Action is a Change Request
REF*TD*REFPC!	Change Reason Code – Change Bill Calculator
REF*12*5219350004!	Utility Account Number for the Customer
REF*PC*LDC!	New Bill Calculator is Utility
LIN*20060918A053*SH*GAS*SH*CE!	<b>3<sup>rd</sup> LIN Request</b>
ASI*7*001!	Action is a Change Request
REF*TD*REFNR!	Change Reason Code – Change Budget Bill Status
REF*12*5219350004!	Utility Account Number for the Customer
REF*NR*Y!	Customer is on budget billing for senders charges
LIN*20060918A054*SH*GAS*SH*CE!	<b>4<sup>th</sup> LIN Request</b>
ASI*7*001!	Action is a Change Request
REF*12*5219350004!	Utility Account Number
REF*TD*AMT9M!	Change Reason Code – Change Customers Tax Rate for ESCO Charges
AMT*9M*.045!	Tax Rate Used to Calculate Taxes Applicable to ESCO Charges
LIN*20060918A055*SH*GAS*SH*CE!	<b>5<sup>th</sup> LIN Request</b>
ASI*7*001!	Action is a Change Request
REF*12*5219350004!	Utility Account Number
NM1*MQ*3*****93*ALL!	Start of Meter Attribute Change Loop; Change pertains to all existing meters on this account
REF*TD*REFRB!	Change Reason Code – Change ESCO Rate Code
REF*RB*R23X40!	New ESCO Rate Code
SE*33*0001!	Transaction Set trailer; segment count; control number

**4. B. Utility Response – Accept Change in Bill Presenter, Bill Calculator, Tax Rate & ESCO Rate Code;  
Reject Budget Bill Change**

ST*814*0002!	Transaction Set header; transaction defined is an <b>814</b> ; control number assigned by originator
BGN*11*10000402072434*20060920***20060918058!	Transaction is a <b>Response</b> ; Unique id number for this transaction; transaction creation date; BGN02 from Request transaction
N1*SJ*ESCO NAME*1*845750011!	ESCO Name and DUNS number
N1*8S*UTILITY NAME*1*006994708!	Utility Name and DUNS number
LIN*20060918A051*SH*GAS*SH*CE!	Unique transaction reference number for the request, response pertains to gas service
ASI*WQ*001!	Accept Change Request
REF*TD*REFBLT!	Echo Back Reason for Change – Change Bill Presenter
REF*11*A12345009Z!	ESCO Account Number for the Customer
REF*12*5219350004!	Utility Account Number for the Customer
DTM*007*20061008!	Effective Date of Change
LIN*20060918A052*SH*GAS*SH*CE!	<b>2<sup>nd</sup> LIN Response</b>
ASI*WQ*001!	Accept Change Request
REF*TD*REFPC!	Echo Back Reason for Change – Change Bill Calculator
REF*12*5219350004!	Utility Account Number for the Customer
DTM*007*20061008!	Effective Date of Change
LIN*20060918A053*SH*GAS*SH*CE!	<b>3<sup>rd</sup> LIN Response</b>
ASI*U*001!	Reject Change Request
REF*7G*A13*BUDGET BILL NOT OFFERED!	Reason Request was Rejected
REF*TD*REFNR!	Echo Back Reason for Change – Change Budget Billing Status
REF*12*5219350004!	Utility Account Number for the Customer
LIN*20060918A054*SH*GAS*SH*CE!	<b>4<sup>th</sup> LIN Response</b>
ASI*WQ*001!	Accept Change Request
REF*12*5219350004!	Utility Account Number for the Customer
DTM*007*20061008!	Effective Date of Change
AMT*9M*.045!	Echo Back Reason for Change – Change Customer's Tax Rate for ESCO Charges
LIN*20060918A055*SH*GAS*SH*CE!	<b>5<sup>th</sup> LIN Response</b>
ASI*WQ*001!	Accept Change Request
REF*12*5219350004!	Utility Account Number for the Customer
DTM*007*20061008!	Effective Date of Change
NM1*MQ*3*****93*ALL!	Start of Meter Attribute Change Loop; Change pertains to all existing meters on this account
REF*TD*REFRB!	Echo Back Change Reason – ESCO Rate Code
REF*RB*R23X40!	Echo Back ESCO Rate Code
SE*33*0002!	Transaction Set trailer; segment count; control number

**Scenario 5A: ESCO Change Request: Change ESCO Commodity Price & Fixed Charge**  
**Effective Date is Mid-cycle**

ST*814*0003!	Transaction Set header; transaction defined is an <b>814</b> ; control number assigned by originator
BGN*13*40000301145101*20060918!	Transaction is a <b>Request</b> ; Unique id number for this transaction; transaction creation date
N1*SJ*ESCO NAME*1*845750011!	ESCO Name & DUNS number
N1*8S*UTILITY NAME*1*006994708!	Utility Name & DUNS number
LIN*AACDD01004A*SH*EL*SH*CE!	Unique transaction reference number, change pertains to electric service
ASI*7*001!	Action is a Change Request
REF*TD*AMTRJ!	Change Reason Code – Change ESCO Commodity Price
REF*11*A12345009Z!	ESCO Account Number for the Customer
REF*12*5219350004!	Utility Account Number for the Customer
DTM*007*20061001!	Effective Date is Mid-Cycle
AMT*RJ*.018!	New ESCO Commodity Price
LIN*AACDD01005A*SH*EL*SH*CE!	<b>2<sup>nd</sup> LIN Request</b>
ASI*7*001!	Action is a Change Request
REF*TD*AMTFW!	Change Reason Code – Change ESCO Fixed Charge
REF*11*A12345009Z!	ESCO Account Number for the Customer
REF*12*5219350004!	Utility Account Number for the Customer
DTM*007*20061001!	Effective Date is Mid-Cycle
AMT*FW*2.25!	New Fixed Charge Amount
SE*19*0003!	Transaction Set trailer; segment count; control number

**Scenario 5B: a. Utility Response: Accept Change in Commodity Price & Fixed Charge;**  
**Set New Effective Date**

ST*814*0004!	Transaction Set header; transaction defined is an <b>814</b> ; control number assigned by originator
BGN*11*0123456*20060920***40000301145101!	Transaction is a <b>Response</b> ; Unique id number for this transaction; transaction creation date; BGN02 from Request transaction
N1*SJ*ESCO NAME*1*845750011!	ESCO Name and DUNS number
N1*8S*UTILITY NAME*1*006994708!	Utility Name & DUNS number
LIN*AACDD01004A*SH*EL*SH*CE!	Unique transaction reference number for the request, response pertains to electric service
ASI*WQ*001!	Accept Change Request
REF*TD*AMTRJ!	Echo back Reason for Change – Change in ESCO Commodity Price
REF*11*A12345009Z!	ESCO Account Number for the Customer
REF*12*5219350004!	Utility Account Number for the Customer
DTM*007*20061008!	New Effective Date for Change
AMT*RJ*.018!	Echo back Commodity Price Amount
LIN*AACDD01005A*SH*EL*SH*CE!	Response to 2 <sup>nd</sup> LIN Request
ASI*WQ*001!	Accept Change Request
REF*TD*AMTFW!	Echo back Reason for Change – Change in ESCO Fixed Charge
REF*11*A12345009Z!	ESCO Account Number for the Customer
REF*12*5219350004!	Utility Account Number for the Customer
DTM*007*20061008!	New Effective Date for Change
AMT*FW*2.25!	Echo back Fixed Charge Amount
SE*19*0004!	Transaction Set trailer; segment count; control number

**Scenario 5B: b. Utility Response: Reject Change Requests  
Will Not Process Off-Cycle Changes**

ST*814*0005!	Transaction Set header; transaction defined is an <b>814</b> ; control number assigned by originator
BGN*11*9797900*20060920***40000301145101!	Transaction is a <b>Response</b> ; Unique id number for this transaction; transaction creation date; BGN02 from Request transaction
N1*SJ*ESCO NAME*1*845750011!	ESCO Name and DUNS number
N1*8S*UTILITY NAME*1*006994708!	Utility Name & DUNS number
LIN*AACCDD01004A*SH*EL*SH*CE!	Unique transaction reference number for the request, response pertains to electric service
ASI*U*001!	Reject Change Request
REF*7G*A13*OFF CYCLE CHG NOT ALLOWED!	Reject Reason Code & Supplemental text indicating reason for rejection
REF*TD*AMTRJ!	Echo back Reason for Change – Change in ESCO Commodity Price
REF*11*A12345009Z!	ESCO Account Number for the Customer
REF*12*5219350004!	Utility Account Number for the Customer
LIN*AACCDD01005A*SH*EL*SH*CE!	Response to 2 <sup>nd</sup> LIN Request
ASI*7*001!	Reject Change Request
REF*7G*A13*OFF CYCLE CHG NOT ALLOWED!	Reject Reason Code & Supplemental text indicating reason for rejection
REF*TD*AMTFW!	Echo back Reason for Change – Change in ESCO Fixed Charge
REF*11*A12345009Z!	ESCO Account Number for the Customer
REF*12*5219350004!	Utility Account Number for the Customer
SE*17*0005!	Transaction Set trailer; segment count; control number

**Scenario 6: Utility Change Request: Change Customer Account Number; Change Meter Cycle;  
Change Bill Cycle on a Combination Account**

**Gas Account:**

ST*814*0006!	Transaction Set header; transaction defined is an <b>814</b> ; control number assigned by originator
BGN*13*200609180001*20060918!	Transaction is a <b>Request</b> ; Unique id number for this transaction; transaction creation date
N1*SJ*ESCO NAME*1*845750011!	ESCO Name and DUNS number
N1*8S*UTILITY NAME*1*006977763!	Utility Name and DUNS number
N1*8R*WALLMART #56!	Customer Name
N3*21 VERNETH DRIVE!	Customer Service Address – Street
N4*BINGHAMTON*NY*13901!	Customer Service Address – City, State, Postal Code
LIN*00101*SH*GAS*SH*CE!	Unique transaction reference number, change pertains to gas services
ASI*7*001!	Action is a Change Request
REF*TD*REF12!	Change Reason Code – Change in Utility Account Number
REF*11*A1234009Z!	ESCO Account Number for the Customer
REF*12*158103080400027!	New Utility Account Number for Customer
REF*45*158100980400027!	Old Utility Account Number for Customer
DTM*007*20060918!	Effective Date of Change
LIN*00102*SH*GAS*SH*CE!	<b>2<sup>nd</sup> LIN Request</b>
ASI*7*001!	Action is a Change Request
REF*TD*REF65!	Change Reason Code – Change Meter Cycle Code & Frequency
REF*11*A1234009Z!	ESCO Account Number for the Customer
REF*12*158103080400027!	New Utility Account Number for the Customer
REF*65*15*MON!	Meter Cycle Code & Frequency
DTM*007*20060918!	Effective Date of Change
LIN*00103*SH*GAS*SH*CE!	<b>3<sup>rd</sup> LIN Request</b>
ASI*7*001!	Action is a Change Request
REF*TD*REFBF!	Change Reason Code – Change Bill Cycle Code & Frequency
REF*11*A1234009Z!	ESCO Account Number for the customer
REF*12*158103080400027!	New Utility Account Number for the customer
REF*BF*15*MON!	Bill Cycle Code & Frequency
DTM*007*20060918!	Effective Date of Change
SE*29*0006!	Transaction Set trailer; segment count; control number

**Electric Account:**

ST*814*0007!	Transaction Set header; transaction defined is an <b>814</b> ; control number assigned by originator
BGN*13*200609180002*20060918!	Transaction is a <b>Request</b> ; Unique id number for this transaction; transaction creation date
N1*SJ*ESCO NAME*1*845750011!	ESCO Name and DUNS number
N1*8S*UTILITY NAME*1*006977763!	Utility Name and DUNS number
N1*8R*WALLMART #56!	Customer Name
N3*21 VERNETH DRIVE!	Customer Service Address – Street
N4*BINGHAMTON*NY*13901!	Customer Service Address – City, State, Postal Code
LIN*00104*SH*EL*SH*CE!	Unique transaction reference number, change pertains to electric service
ASI*7*001!	Action is a Change Request
REF*TD*REF12!	Change Reason Code – Change in Utility Account Number
REF*11*A1234009Z!	ESCO Account Number for the Customer
REF*12*158103080400027!	New Utility Account Number for Customer
REF*45*158100980400027!	Old Utility Account Number for Customer
DTM*007*20060918!	Effective Date of Change
LIN*00105*SH*EL*SH*CE!	2 <sup>nd</sup> LIN Request
ASI*7*001!	Action is a Change Request
REF*TD*REF65!	Change Reason Code – Change Meter Cycle Code & Frequency
REF*11*A1234009Z!	ESCO Account Number for the Customer
REF*12*158103080400027!	New Utility Account Number for Customer
REF*65*15*MON!	Meter Cycle Code & Frequency
DTM*007*20060918!	Effective Date of Change
LIN*00106*SH*EL*SH*CE!	3 <sup>rd</sup> LIN Request
ASI*7*001!	Action is a Change Request
REF*TD*REFBF!	Change Reason Code – Change Bill Cycle Code & Frequency
REF*11*A1234009Z!	ESCO Account Number for the Customer
REF*12*158103080400027!	New Utility Account Number for Customer
REF*BF*15*MON!	Bill Cycle Code & Frequency
DTM*007*20060918!	Effective Date of Change
LIN*00107*SH*EL*SH*CE!	4th LIN Request
ASI*7*001!	Action is a Change Request
REF*TD*REFTX!	Change Reason Code – Utility Tax Exempt Status
REF*11*A1234009Z!	ESCO Account Number for the Customer
REF*12*158103080400027!	New Utility Account Number for Customer
REF*TX*Y!	Utility Tax Exempt Status
DTM*007*20060918!	Effective Date of Change
SE*29*0006!	Transaction Set trailer; segment count; control number

**Scenario 7A: Utility Change Request – Add/Update Telephone Number**

ST*814*0001!	Transaction Set header; transaction defined is an <b>814</b> ; control number assigned by originator
BGN*13*20060918001*20060918!	Transaction is a <b>Request</b> ; Unique id number for this transaction; transaction creation date
N1*SJ*ESCO NAME*1*625401997!	ESCO Name and DUNS number
N1*8S*CENTRAL HUDSON GAS & ELEC CORP*1*006993695!	Utility Name and DUNS number
N1*8R*JOHN SMITH!	Customer Name
PER*IC**TE*8455551111!	Customer Telephone Number
LIN*0099*SH*EL*SH*CE!	Unique transaction reference number, request pertains to electric services
ASI*7*001!	Action is a Change Request
REF*TD*PERIC!	Change Reason - Change in Customer Telephone Number
REF*12*6157324112!	Utility Account Number for Customer
DTM*007*20060918!	Effective Change Date
SE*12*0001!	Transaction Set trailer; segment count; control number

**Scenario 7B: ESCO Response to Change Telephone Number**

ST*814*0083!	Transaction Set header; transaction defined is an <b>814</b> ; control number assigned by originator
BGN*11*00013415*20060920***20060918001!	Transaction is a <b>Response</b> ; Unique id number for this transaction; transaction creation date; BGN02 from Request transaction
N1*SJ*ESCO NAME*1*625401997!	ESCO Name and DUNS number
N1*8S*CENTRAL HUDSON GAS & ELEC CORP*1*006993695!	Utility Name and DUNS number
LIN*0099*SH*EL*SH*CE!	Unique transaction reference number, response pertains to electric services
ASI*WQ*001!	Accept Request
REF*TD*PERIC!	Echo Back Change Reason - Change in Customer Telephone Number
REF*12*6157324112!	Utility Account Number for Customer
SE*9*0083!	Transaction Set trailer; segment count; control number



**Scenario 8A: Utility Change Request – Change Service Period Start Date**

ST*814*0001!	Transaction Set header; transaction defined is an <b>814</b> ; control number assigned by originator
BGN*13*20060705099*20060705!	Transaction is a <b>Request</b> ; Unique id number for this transaction; transaction creation date
N1*SJ*ESCO NAME*1*006817952!	ESCO Name and DUNS number
N1*8S*ORANGE & ROCKLAND*24*231234567!	Utility Name and DUNS number
LIN*9158*SH*EL*SH*CE!	Unique transaction reference number, request pertains to electric services
ASI*7*001!	Action is a Change Request
REF*12*0941235550!	Utility assigned account number for the customer
REF*TD*DTM150!	Change Reason – Change Service Period Start Date
DTM*150*20060721!	New Service Period Start Date
SE*10*0001!	Transaction Set trailer; segment count; control number

**Scenario 8B: ESCO Response to Change of Service Period Start Date**

ST*814*0001!	Transaction Set header; transaction defined is an <b>814</b> ; control number assigned by originator
BGN*11*001266489*20060707***20060705099!	Transaction is a <b>Response</b> ; Unique id number for this transaction; transaction creation date; BGN02 from Request transaction
N1*SJ*ESCO NAME*1*006817952!	ESCO Name and DUNS number
N1*8S*ORANGE & ROCKLAND*24*231234567!	Utility Name and DUNS number
LIN*9158*SH*EL*SH*CE!	Unique transaction reference number, response pertains to electric services
ASI*WQ*001!	Accept Request
REF*12*0941235550!	Utility assigned account number for the customer
SE*8*0001!	Transaction Set trailer; segment count; control number



# **Electronic Data Exchange Standards for Energy Deregulation in New York**

## **814 Change (Account Maintenance)**

### **Data Dictionary**

**October 23, 2014**  
Version 1.5

	<b>Summary of Changes</b>
<b>July 20, 2001</b>	<b>Initial Release</b>
<b>April 16, 2002</b>	<b>Version 1.1 Released</b>
	Implementation Guide (Changes Did Not Affect Data Dictionary)
<b>August 7, 2002</b>	<b>Version 1.2 Issued</b>
	<p>Inserted new REF*AJ segment (Utility Account Number for ESCO/Marketer)</p> <p>Modified the REF03 element note for the REF*65 segment to clarify the use attribute for this element.</p> <p>Renumbered lines and adjusted line references in the 'Comments' column.</p>
<b>March 17, 2004</b>	<b>Version 1.3 Issued</b>
	<p>Added AMT*9M and AMT*9N segments to enable ESCOs to transmit customer's tax rate information when the bill option requested is Utility Rate Ready consolidated billing and the Utility requires ESCOs to provide this data in an Enrollment transaction. When different tax rates are applicable to portions of the customers service it will be necessary to send both the AMT*9M (residential tax rate applicable to a portion of the service) and the AMT*9N segment (commercial tax rate applicable) when a REF*RP segment is present in a Request transaction.</p> <p>Coding for the REF*GC (Gas Capacity Assignment/Obligation) has been corrected (from Yes/No to Y/N) to be consistent with the coding for the same segment in the Enrollment Standard.</p> <p>Corrected the segment notes for the NM1 Loop to indicate that transmitting an NM1 Loop in a Response transaction is 'Optional' rather than "Not Used".</p>
<b>May 17, 2006</b>	<b>Version 1.4 Issued</b>
	<p>References to Niagara Mohawk or NMPC throughout the document are revised to refer to National Grid.</p> <p>References to RG&amp;E's use of the Single Retailer Model have been deleted. This model is no longer offered in Rochester's service territory.</p> <p>A PER segment is added to the N1 (Customer) Loop (N101=8R) to enable parties to communicate changes in a customer's telephone number where the telephone number was initially sent in an Enrollment Accept Response transaction in an N1 (Customer) Loop.</p> <p>The N1*8R (Customer) segment note is revised to reflect the addition of a PER segment in the N1 (Customer) Loop.</p> <p>The REF*11 (ESCO/Marketer Customer Account Number) segment note is changed to indicate that this segment must be sent when the Utility is the bill presenter and there is a change in the account number.</p>

	<p><b>Version 1.4 Continued</b></p> <p>A REF03 element is added to the REF*12 segment (Utility Account Number) for use in Change Requests sent to, or received from, Orange &amp; Rockland Utilities when the reported change pertains to the un-metered portion of a customer's electric service when both metered and un-metered service are present on the same account.</p> <p>The REF*AJ (Utility Assigned Account Number for ESCO/Marketer) segment note is revised to indicate that this segment is Not Used in a Response transaction.</p> <p>A REF*LF (E/M Late Fees) segment is added at the account level to enable E/Ms to communicate a change in late fee policies for customers receiving a Rate Ready consolidated bill from National Fuel Gas.</p> <p>An AMT*B5 (E/M Budget Plan Installment Amount) segment is added for use in National Fuel Gas service territory. The AMT*B5 segment is used in that service territory to communicate a change in the customers budget plan installment amount for E/M charges when the bill option is Rate Ready consolidated billing and the payment option is Pay-As-You-Get-Paid.</p> <p>Additional codes were added to the REF*TD (Reason for Change – Account Level) segment to accommodate the new segments (PERIC, REFLF and AMTB5).</p> <p>The segment notes for the LIN and REF*TD segments were revised to clarify the number of changes that may be sent in a LIN Loop at the Header and Detail levels.</p> <p>The REF*RB (ESCO Rate Code) segment notes and use attribute are revised to indicate that this segment may be echoed back in transactions responding to requests for rate code changes for an ESCO Referral Program account. Renumbered lines and adjusted line references in the 'Comments' column.</p>
<b>October 23, 2014</b>	<p><b>Version 1.5</b></p> <p>Utility specific notes are generalized, as appropriate, and designated for relocation to/reference within Utility Maintained EDI Guides, as necessary.</p> <p>Replaced references to Marketer and E/M with ESCO.</p> <p>New Change Reason Codes added at the account level and new segments from Case No. 12-M-0476:  REFIJ – Change Industrial Classification Code  REFSG – Change Utility Discount Indicator  REFTDT – Change Account Settlement Indicator  REFTX – Change Tax Exempt Status  REFYP – Change NYPA Discount Indicator  DTM*AB2 (ICAP Effective Dates)</p>

		<b>Version 1.5 Continued</b>
		Adding AMT03 field to the AMT*KZ segment to accommodate the ICAP Special Program Indicator Code.

PROPOSED

Row No	NY DD Field Name	Loop ID	Segment	Level	Position	Ref Desc	Name	Description	Code	Data Type	Request	Response	Comments
1	Transaction Set Header	None	ST	HDR	010	01	Transaction Set Identifier Code	Indicates Type of transaction	814	ID(3/3)	Required	Required	
2	Transaction Set Header	None	ST	HDR	010	02	Transaction Set Control Number	Unique number generated by senders system	ID#	AN(4/9)	Required	Required	
3	Beginning Segment	None	BGN	HDR	020	01	Transaction Set Purpose Code	Purpose of transaction	Request =13 Response =11	ID(2/2)	Required	Required	
4	Beginning Segment	None	BGN	HDR	020	02	Reference Identification	Unique and permanent ID for this transaction	ID#	AN(1/30)	Required	Required	
5	Beginning Segment	None	BGN	HDR	020	03	Date	Date transaction was created in senders system	CCYYMMDD	DT(8/8)	Required	Required	
6	Beginning Segment	None	BGN	HDR	020	06	Reference Identification	If BGN01=11, this element is the BGN02 from the original transaction	ID#	AN(1/30)	Not Used	Conditional	This element is required on Response transactions.
7	Name (ESCO)	N1 Loop	N1	HDR	040	01	Entity Identifier Code	Code identifying the ESCO in this transaction	SJ	ID(2/3)	Required	Required	
8	Name (ESCO)	N1 Loop	N1	HDR	040	02	Name	Literal name of the ESCO	free form text	AN(1/60)	Optional	Optional	ESCO name is not necessary but may be provided by mutual agreement of the trading partners.
9	Name (ESCO)	N1 Loop	N1	HDR	040	03	Identification Code Qualifier	Indicates type of ID number that will be sent in the N104 element of this segment	1=DUNS # 9=DUNS#++4 24=Federal Tax ID	ID(1/2)	Required	Required	
10	Name (ESCO)	N1 Loop	N1	HDR	040	04	Identification Code	ID number for ESCO	ID#	AN(2/80)	Required	Required	
11	Name (Utility)	N1 Loop	N1	HDR	040	01	Entity Identifier Code	Code identifying the utility in this transaction	8S	ID(2/3)	Required	Required	
12	Name (Utility)	N1 Loop	N1	HDR	040	02	Name	Literal name of the Utility in this transaction	free form text	AN(1/60)	Optional	Optional	Utility name is not necessary but may be provided by mutual agreement of the trading partners.
13	Name (Utility)	N1 Loop	N1	HDR	040	03	Identification Code Qualifier	Indicates type of ID number that will be sent in the N104 element of this segment	1=DUNS # 9=DUNS#++4 24=Federal Tax ID	ID(1/2)	Required	Required	
14	Name (Utility)	N1 Loop	N1	HDR	040	04	Identification Code	ID number for Utility	ID#	AN(2/80)	Required	Required	
15	Name (Customer)	N1 Loop	N1	HDR	040	01	Entity Identifier Code	Code identifying the customer in this transaction	8R	ID(2/3)	Conditional	Not used	This segment must be sent in a Request when a change in customer name (Utility or ESCO) or service address (Utility) or customer telephone number (Utility or ESCO) is being reported.

Row No	NY DD Field Name	Loop ID	Segment	Level	Position	Ref Desc	Name	Description	Code	Data Type	Request	Response	Comments
16	Name (Customer)	N1 Loop	N1	HDR	040	02	Name	Literal name of the customer in this transaction	Text or the literal "NAME"	AN(1/60)	Required	Not used	When an N1*8R segment is sent, this element is required. When the Utility reports a service address change, the Request transaction must contain either the actual customer name or the literal 'NAME' in the N102 element of this segment. If either the Utility or ESCO is reporting a change in the customer's name the N102 element must contain the new name.
17	Address Information (Service Address)	N1 Loop	N3	HDR	060	01	Address Information	Customer Service Address - Street	Text	AN(1/55)	Conditional	Not used	The N3 segment is sent when the Utility is reporting a change in the customer service address - street.
18	Address Information (Service Address)	N1 Loop	N3	HDR	060	02	Address Information (overflow)	If N301 exceeds 55 characters, the overflow is sent in N302	Text	AN(1/55)	Conditional	Not used	When a change in customer service address - street is being reported this element is used for the overflow when the street address exceeds 55 characters.
19	Geographic Location (Service Address)	N1 Loop	N4	HDR	070	01	City Name	Customer Service Address - City Name	Text	AN(2/30)	Conditional	Not used	This segment must be sent when the Utility is reporting a change in service address.
20	Geographic Location (Service Address)	N1 Loop	N4	HDR	070	02	State or Province Code	Customer Address - State Name	Text	ID(2/2)	Required	Not used	When an N4 segment is being sent, this element is required.
21	Geographic Location (Service Address)	N1 Loop	N4	HDR	070	03	Postal Code	Customer Address- zipcode	Text	ID(3/15)	Required	Not used	When an N4 segment is being sent, this element is required.
22	Administrative Communications Contact (Customer Phone number)	N1 Loop	PER	HDR	080	01	Contact Function Code	Code indicating customer's phone number will be transmitted.	IC	ID(2/2)	Conditional	Not used	This segment may be sent by either the Utility or ESCO to provide, or to update, a customer's phone number. If the phone contact information was initially provided in an N1 (Customer) Loop (an N1*8R segment) then the change should be reported in the same Loop in a Change Request transaction. An N1*8R segment must be present in addition to the PER segment for this change.
23	Administrative Communications Contact (Customer Phone number)	N1 Loop	PER	HDR	080	02		Code indicating telephone communication	TE	ID(2/2)	Required	Not used	When a PER segment is being sent, this element is required.

Row No	NY DD Field Name	Loop ID	Segment	Level	Position	Ref Desc	Name	Description	Code	Data Type	Request	Response	Comments
24	Administrative Communications Contact (Customer Phone number)	N1 Loop	PER	HDR	080	04	Communications Identifier	Customer's phone number; area code + 7 digit number (xxxxxyzzzz)	xxxxxyzzzz		Required		When a PER segment is being sent, this element is required.
25	Name (Name for Mailing )	N1 Loop	N1	HDR	040	01	Entity Identifier Code	Code indicating that the address information in N3/N4 is the customer's mailing address for billing	BT	ID(2/3)	Conditional	Not used	This segment must be sent by either the Utility or the ESCO when the customer receives a consolidated bill and the name associated with the mailing address and/or the mailing address has changed. This segment must also be sent by ESCO to report a change in the customer's telephone number.
26	Name (Name for Mailing )	N1 Loop	N1	HDR	040	02	Name	Name associated with the mailing address	Text or the literal 'NAME'	AN(1/60)	Required	Not used	When an N1*BT segment is being sent, this element is required. When a change in the name associated with the billing address is being reported, this element should contain the new name. If the name for mailing is unchanged but a new address is being reported, this element may contain either the actual name associated with the mailing address or the literal "NAME" at the discretion of the sender.
27	Address Information (Mailing Address )	N1 Loop	N3	HDR	060	01	Address Information	Customer's mailing address - Street.	Text	AN(1/55)	Conditional	Not used	Refer to the implementation guide for the conditions associated with the N3 segment. This element may contain additional data when NFG is the initiator of the Request transaction.
28	Address Information (Mailing Address )	N1 Loop	N3	HDR	060	02	Address Information	If N301 exceeds 55 characters, the overflow is sent in N302	Text	AN(1/55)	Conditional	Not used	Refer to the implementation guide for the conditions associated with the N3 segment. The N302 element may be required if the mailing address - street exceeds 55 characters. This element may contain additional data when a utility that elects the practice in its Utility Maintained EDI Guide is the initiator of the Request transaction.
	Geographic Location (Mailing Address )	N1 Loop	N4	HDR	070	01	City Name	Customer Mailing Address - City Name	Text	AN(2/30)	Conditional	Not used	Refer to the implementation guide for the conditions associated with the N4 segment.
30	Geographic Location (Mailing Address )	N1 Loop	N4	HDR	070	02	State or Province Code	Customer Mailing Address - State Name	Text	ID(2/2)	Conditional	Not used	Refer to the implementation guide for the conditions associated with the N4 segment and the conditions associated with the N402 element.
31	Geographic Location (Mailing Address )	N1 Loop	N4	HDR	070	03	Postal Code	Customer Mailing Address - zip code	Text	ID(3/15)	Conditional	Not used	Refer to the implementation guide for the conditions associated with the N4 segment and the conditions associated with the N403 element.

Row No	NY DD Field Name	Loop ID	Segment	Level	Position	Ref Desc	Name	Description	Code	Data Type	Request	Response	Comments
32	Administrative Communications Contact (Customer Phone number)	N1 Loop	PER	HDR	080	01	Contact Function Code	Code indicating customer's phone number will be transmitted.	IC	ID(2/2)	Conditional	Not used	This segment should be sent by the ESCO in conjunction with an N1*BT segment when there has been a change in the customer's telephone number.
33	Administrative Communications Contact (Customer Phone number)	N1 Loop	PER	HDR	080	03	Communication Number Qualifier	Code indicating telephone communication	TE	ID(2/2)	Required	Not used	When a PER*IC segment is sent, this element is required.
34	Administrative Communications Contact (Customer Phone number)	N1 Loop	PER	HDR	080	04	Communication Number	Customer's phone number; area code + 7 digit number (xxxxyyzzzz)	xxxxyyzzzz	AN(1/80)	Required	Not used	When a PER*IC segment is sent, this element is required.
35	Item Identification	LIN Loop	LIN	DTL	010	01	Assigned Identification	Unique identifier assigned to this LIN request	Unique ID for each LIN request generated by the sender	AN(1/20)	Required	Required	All segments in a Change Request or Response transaction must pertain to the same account number and commodity (electric or gas). A single Change transaction may be used to request or respond to multiple changes on an account for the commodity specified. It is necessary to transmit each change segment in the header section in a separate LIN loop; changes at the NM1 (Detail level) may be grouped by meter number or ALL or Un-Metered in one LIN loop. The LIN01 identifier identifying the response to a request must be the same identifier sent in the request transaction (refer to sample transactions in the IG). For more detailed instructions regarding LIN looping structure please refer to the Front Matter notes in the 814 Change Implementation Guide.
36	Item Identification	LIN Loop	LIN	DTL	010	02	Product/Service ID Qualifier	Indicates a service is being requested	SH	ID(2/2)	Required	Required	
37	Item Identification	LIN Loop	LIN	DTL	010	03	Product/Service ID	Commodity Type	EL or GAS	AN(1/48)	Required	Required	Only one commodity (Electric or Gas) may be reported in each 814 Change transaction.
38	Item Identification	LIN Loop	LIN	DTL	010	04	Product/Service ID Qualifier	Indicates a service is being requested	SH	ID(2/2)	Required	Required	



Row No	NY DD Field Name	Loop ID	Segment	Level	Position	Ref Desc	Name	Description	Code	Data Type	Request	Response	Comments
39	Item Identification	LIN Loop	LIN	DTL	010	05	Product/Service ID	Indicates the change reported pertains to the enrollment for energy services.	CE	AN(1/48)	Required	Required	The CE code is generally associated with enrollment for energy services. The ASI02 element contains the code (001) indicating this is a Change transaction.
40	Action or Status Indicator	LIN Loop	ASI	DTL	020	01	Action Code	Code indicating the action or status of the LIN request.	7=Request U=Reject WQ=Accept	ID(1/2)	Required	Required	
41	Action or Status Indicator	LIN Loop	ASI	DTL	020	02	Maintenance Type Code	Code indicating that this 814 transaction is a Change transaction.	001=Change	ID(3/3)	Required	Required	
42	Reference Identification (Reject Response Reasons)	LIN Loop	REF	DTL	030	01	Reference Identification Qualifier	Code indicating that REF02 contains a reject reason	7G	ID(2/3)	Not Used	Conditional	This segment is used on Reject Response transactions to indicate the reason a change request has been rejected.
43	Reference Identification (Reject Response Reasons)	LIN Loop	REF	DTL	030	02	Reference Identification	Code corresponding to the reason for a rejection	A13, A76, A91, API, C11, FRB, FRC, M76, W05	AN(1/30)	Not Used	Required	When a REF*7G segment is sent, this element is required. Refer to the IG for code definitions.
44	Reference Identification (Reject Response Reasons)	LIN Loop	REF	DTL	030	03	Reference Identification	Text supplied to provide further clarification when REF02 = A13 or API	Text	AN(1/80)	Not Used	Conditional	When REF02 in this segment is A13 (Other) or API (Required Information Missing) this element is required to clarify the reason for the rejection.
45	Reference Identification (Reason for Change - Account Level)	LIN Loop	REF	DTL	030	01	Reference Identification Qualifier	Reason for change	TD	ID(2/3)	Conditional	Optional	The REF*TD segments contain codes that identify the data segment(s) that contain the data that has, or will be, changed. The first occurrence of the REF*TD (at position 030) is used to identify the data segment(s) at the account level that are being changed. The REF*TD at position 130 is used to identify the data segment(s) at the meter level that are being changed. The REF*TD segments may be echoed back on Response transactions at the option of the sender.
46	Reference Identification (Reason for Change - Account Level)	LIN Loop	REF	DTL	030	02	Reference Identification	Code which describes the change identified in the LIN loop.	see list of codes in IG	AN(1/30)	Required	Required	Required when a REF*TD segment is sent. The first portion of the code identifies the segment (e.g. AMT, DTM, N1, REF, etc.) that contains the data that has been, or will be, changed. The remaining portion of the code identifies the relevant code qualifier (e.g. for AMT segments the qualifiers would be "DP", "FW", etc.) for the data that has been changed. The changed data will be sent in the appropriate element of the identified segment. See Implementation Guide for examples.

Row No	NY DD Field Name	Loop ID	Segment	Level	Position	Ref Desc	Name	Description	Code	Data Type	Request	Response	Comments
47	Reference Identification (ESCO Customer Account Number)	LIN Loop	REF	DTL	030	01	Reference Identification Qualifier	Code indicating that the REF02 element contains the ESCO assigned account number for the customer	11	ID(2/3)	Conditional	Conditional	This segment must be sent by the ESCO when the Utility is the bill presenter and the ESCO account number for the customer is being changed. This segment may be echoed back in a Response transaction at the option of the Utility.
48	Reference Identification (ESCO Customer Account Number)	LIN Loop	REF	DTL	030	02	Reference Identification	Customer's account number	Account #	AN(1/30)	Required	Required	When a REF*11 is being sent this element is required. This is the new account number for the customer assigned by the ESCO.
49	Reference Identification (Utility Account Number)	LIN Loop	REF	DTL	030	01	Reference Identification Qualifier	Code indicating that the REF02 element contains the Utility assigned account number for the customer	12	ID(2/3)	Required	Required	The Utility account number assigned to the customer is used for validation and must be present on all transactions. The Utility is required to report a change in the customer's account number. The new/current account number is sent in the REF*12 segment of the Request transaction and the prior account number is sent in the REF*45 segment (see line 52). The Response transaction must contain the new account number in the REF*12 segment.
50	Reference Identification (Utility Account Number)	LIN Loop	REF	DTL	030	02	Reference Identification	Customer's account number	Account #	AN(1/30)	Required	Required	When a REF*12 is sent, this element is required.
51	Reference Identification (Utility Account Number)	LIN Loop	REF	DTL	030	03	Description	Un-metered service designator (electric accounts only)	U	AN(1/80)	Conditional	Conditional	For utilities that support the practice of responding to requests pertaining specifically to the un-metered portion of accounts, this element is only sent in Requests to, or provided in Responses from, the utility when the change being reported pertains to the un-metered service on an electric account that includes both metered and un-metered service. When the Request pertains to all service on an electric account this element is not used. The Response transaction will contain this element if present in the Request transaction.
52	Reference Identification (Previous Utility Account Number)	LIN Loop	REF	DTL	030	01	Reference Identification Qualifier	Code indicating that REF02 contains the Utility's previous account number for the customer	45	ID(2/3)	Conditional	Not used	This segment must be sent by the Utility when a customer's account number has changed.

Row No	NY DD Field Name	Loop ID	Segment	Level	Position	Ref Desc	Name	Description	Code	Data Type	Request	Response	Comments
53	Reference Identification (Previous Utility Account Number)	LIN Loop	REF	DTL	030	02	Reference Identification	Customer's old account number	Account #	AN(1/30)	Required	Not used	When a REF*45 segment is sent, this element is required.
54	Reference Identification (Utility Account Number for ESCO)	LIN Loop	REF	DTL	030	01	Reference Identification Qualifier	Code indicating that REF02 contains a Utility assigned account number for the ESCO.	AJ	ID(2/3)	Conditional	Conditional	An account number assigned to the ESCO by the Utility may be provided by mutual agreement of the trading partners.
55	Reference Identification (Utility Account Number for ESCO)	LIN Loop	REF	DTL	030	02	Reference Identification	Utility account number for the ESCO	Account #	AN(1/30)	Required	Required	When a REF*AJ is being sent, this element is required.
56	Reference Identification (Meter Cycle Code)	LIN Loop	REF	DTL	030	01	Reference Identification Qualifier	Code indicating that REF02 contains the meter cycle code for the account being enrolled.	65	ID(2/3)	Conditional	Not used	This segment is sent by the Utility when there is a change in the customer's meter read cycle or there is a change in the frequency of the meter reads on a cycle. The code sent can be used to obtain the meter reading cycle date from the Utility's web site.
57	Reference Identification (Meter Cycle Code)	LIN Loop	REF	DTL	030	02	Reference Identification		Meter reading cycle code	AN(1/30)	Required	Not used	When a REF*65 segment is sent this element is required.
58	Reference Identification (Meter Cycle Code)	LIN Loop	REF	DTL	030	03	Description	Description of the normal reporting period covered by usage data to be sent on the 867.	MON, BIM, or QTR	AN(1/80)	Conditional	Not used	The REF03 should be sent when the data in REF02 is insufficient for the recipient to determine the reporting period associated with a service end point.
59	Reference Identification (Bill Cycle Code)	LIN Loop	REF	DTL	030	01	Reference Identification Qualifier	Code indicating that the data contained in REF02/03 describes the bill cycle for the customer being enrolled	BF	ID(2/3)	Required	Not used	This segment will be sent by the Utility when there is a change in the customer's billing cycle or a change in the frequency of billing on a cycle.
60	Reference Identification (Bill Cycle Code)	LIN Loop	REF	DTL	030	02	Reference Identification	An alphanumeric code used to obtain data on a customer's bill cycle.		AN(1/30)	Required	Not used	Bill cycle codes may be used to reference data on a Utility web site regarding the customer's billing cycle.
61	Reference Identification (Bill Cycle Code)	LIN Loop	REF	DTL	030	03	Description	Text indicating how frequently the customer is billed.	MON, BIM, QTR	AN(1/80)	Conditional	Not used	This element should be sent when the bill cycle has changed and bill frequency data is not made available on the Utility web site.

Row No	NY DD Field Name	Loop ID	Segment	Level	Position	Ref Desc	Name	Description	Code	Data Type	Request	Response	Comments
62	Reference Identification (Bill Presenter )	LIN Loop	REF	DTL	030	01	Reference Identification Qualifier	Code indicating REF02 identifies the bill presenter	BLT	ID(2/3)	Conditional	Not used	This segment will be sent by Utilities or ESCOs to indicate a change in bill presenter status. This segment is not used in the Single Retailer Model. It may be necessary to send other data segments when requesting a change in either bill presenter or bill calculator. See the Front Matter notes in the Implementation Guide for further instructions.
63	Reference Identification (Bill Presenter )	LIN Loop	REF	DTL	030	02	Reference Identification	Code indicating the customer's bill presenter arrangements	DUAL, ESP, or LDC	AN(1/30)	Required	Not used	When a REF*BLT segment is sent, this element is required.
64	Reference Identification (Bill Presenter )	LIN Loop	REF	DTL	030	03	Description	If REF02=ESP and NY Billing Agency Model will be used, REF03 must contain the literal "AGENT"	text = AGENT	AN(1/80)	Conditional	Not used	This element is required when REF02 = ESP AND the Billing Agency Model is being used. Refer to the NY Uniform Business Rules for a description of the Billing Agency requirements.
65	Reference Identification (Bill Calculator)	LIN Loop	REF	DTL	030	01	Reference Identification Qualifier	Code indicating REF02 identifies the bill calculator	PC	ID(2/3)	Conditional	Not used	This segment is sent by Utilities or ESCOs to indicate a change in bill calculator. This segment is not used in the Single Retailer Model. It may be necessary to send other data segments when requesting a change in either bill presenter or bill calculator. See the Front Matter notes in the Implementation Guide for further instructions.
66	Reference Identification (Bill Calculator)	LIN Loop	REF	DTL	030	02	Reference Identification	Each party calculates their own charges or Utility is the bill calculator	DUAL or LDC	AN(1/30)	Required	Not used	When a REF*PC segment is being sent, this element is required.
67	Reference Identification (Current Budget Billing Status)	LIN Loop	REF	DTL	030	01	Reference Identification Qualifier	Code indicating this segment contains data on the customer's budget billing status.	NR	ID(2/3)	Conditional	Not used	This segment is sent when the customer receives a consolidated bill and the customer's budget plan status with the initiator of the Request transaction is, or will be, changing. Changes in budget bill status are only applicable where the billing party has agreed to calculate budget bill amounts for the non-billing party.
68	Reference Identification (Current Budget Billing Status)	LIN Loop	REF	DTL	030	02	Reference Identification	Code indicating that the customer is, or is not, on a budget plan for the sender's charges.	Y or N	AN(1/30)	Required	Not used	When a REF*NR segment is being sent, this element is required.

Row No	NY DD Field Name	Loop ID	Segment	Level	Position	Ref Desc	Name	Description	Code	Data Type	Request	Response	Comments
69	Reference Identification (ESCO Late Fees)	LIN Loop	REF	DTL	030	01	Reference Identification Qualifier	Code indicating that REF02 indicates a change in the ESCOs late fee policy when the bill option is utility consolidated billing and the payment option is Pay-As-You-Get-Paid.	LF	ID(2/3)	Conditional	Conditional	This segment is sent when a change in the ESCOs late fee policy is being reported. This segment is only applicable to Utility Rate Ready consolidated billing with Pay-As-You-Get-Paid. A utility that elects the practice in its Utility Maintained EDI Guide may return this segment in a response transaction.
70	Reference Identification (ESCO Late Fees)	LIN Loop	REF	DTL	030	02	Reference Identification	Late fees will/will not be assessed by the Billing Party on ESCO past due amounts.	N2,Y2	AN(1/30)	Required	Required	This element is required when a REF*LF segment is being sent.
71	Reference Identification (Partial Participation Portion)	LIN Loop	REF	DTL	030	01	Reference Identification Qualifier	Code indicating the segment contains data on the load to be supplied by the ESCO for partial requirements customers.	PGC	ID(2/3)	Conditional	Not used	A partial requirements customer of a Utility may elect to change the portion of load served by an ESCO and may notify either the Utility or the ESCO. This segment is then sent to report the change to the other party.
72	Reference Identification (Partial Participation Portion)	LIN Loop	REF	DTL	030	02	Reference Identification	ESCO will serve base load or total load.	B (base) or T (total)	AN(1/30)	Required	Not used	When a REF*PGC is sent, this element is required.
73	Reference Identification (Customer on Life Support)	LIN Loop	REF	DTL	030	01	Reference Identification Qualifier	Code indicating the customer's use of life support equipment.	SU	ID(2/3)	Conditional	Not used	Under the Single Retailer Model, the ESCO is required to send a change request when the customer's life support status changes.
74	Reference Identification (Customer on Life Support)	LIN Loop	REF	DTL	030	02	Reference Identification	Indicates whether life support equipment is required or not required	N= Life support not required Y=Life support required	AN(1/30)	Required	Not used	When a REF*SU is being sent, this element is required.
75	Reference Identification (Gas Pool ID)	LIN Loop	REF	DTL	030	01	Reference Identification Qualifier	Code indicating REF02 contains the customer's gas pool id.	VI	ID(2/3)	Conditional	Not used	GAS ONLY. Sent on a Request by the ESCO to indicate the customer has been moved from one gas pool to another.
76	Reference Identification (Gas Pool ID)	LIN Loop	REF	DTL	030	02	Reference Identification	The pool id	ID#	AN(1/30)	Required	Not used	When a REF*VI is being sent, this element is required to indicate the new pool id.
77	Reference Identification (Gas Capacity Assignment/Obligation)	LIN Loop	REF	DTL	030	01	Reference Identification Qualifier	Code indicating that REF 02 contains data describing gas capacity arrangements for the customer.	GC	ID(2/3)	Conditional	Not used	GAS ONLY. This segment may be sent by either the Utility or ESCO (where supported) to indicate a change in the customers gas capacity arrangements. Changes in capacity arrangements may only be sent during the non-heating season.

Row No	NY DD Field Name	Loop ID	Segment	Level	Position	Ref Desc	Name	Description	Code	Data Type	Request	Response	Comments
78	Reference Identification (Gas Capacity Assignment/Obligation)	LIN Loop	REF	DTL	030	02	Reference Identification	Text indicating new capacity arrangement	Y or N	AN(1/30)	Required	Not used	When a REF*GC is being sent, this element is required. Please refer to the 814 Change Implementation Guide for the definition of Y and N.
79	Reference Identification (ISO Location Based Marginal Pricing Zones)	LIN Loop	REF	DTL	030	01	Reference Identification Qualifier	Code indicating the ISO LBMP zone for the customer.	SPL	ID(2/3)	Conditional	Not used	ELECTRIC ONLY. Sent by the Utility to report a change in the customer's LBMP zone.
80	Reference Identification (ISO Location Based Marginal Pricing Zones)	LIN Loop	REF	DTL	030	02	Reference Identification	Code indicating the ISO LBMP zone in which the customer resides.	refer to codes listed in IG	AN(1/30)	Required	Not used	When a REF*SPL segment is sent, this element is required.
81	Reference Identification (Portion Taxed Residential)	LIN Loop	REF	DTL	030	01	Reference Identification Qualifier	Code indicating the data in REF 02 describes the percent of a non-residential account that is taxed at a residential rate.	RP	ID(2/3)	Conditional	Not used	Where a utility that elects the practice in its Utility Maintained EDI Guide, this segment must be sent to the utility when the bill option is Utility Rate Ready consolidated billing and there has been a change in the portion of the non-residential account that is taxed at a residential rate (see also lines 100-103).
82	Reference Identification (Portion Taxed Residential)	LIN Loop	REF	DTL	030	02	Reference Identification		refer to codes listed in IG	AN(1/30)	Required	Not used	When a REF*RP is being sent, this element is required.
86	Reference Identification (Account Settlement Indicator)	LIN Loop	REF	DTL	030	01	Reference Identification Qualifier	Code indicating that REF02 contains the Account Settlement Indicator for the account requested.	TDT	ID(2/3)	Conditional	Not used	ELECTRIC ONLY. Sent by the Utility to report a change in the customer's Account Settlement.
87	Reference Identification (Account Settlement Indicator)	LIN Loop	REF	DTL	030	02	Reference Identification	Code indicating how the usage is settled with NYISO for the account requested.	C=Class Load Shape H=Hourly M=Mixed	AN(1/30)	Required	Not used	When REF*TDT is being sent, this element is required.
88	Reference Identification (NYPA Discount Indicator)	LIN Loop	REF	DTL	030	01	Reference Identification Qualifier	Code indicating that REF02 contains the NYPA Discount Indicator for the account requested.	YP	ID(2/3)	Optional	Not used	ELECTRIC ONLY. Sent by the Utility to report a change in the customer's NYPA Discount program status.

Row No	NY DD Field Name	Loop ID	Segment	Level	Position	Ref Desc	Name	Description	Code	Data Type	Request	Response	Comments
89	Reference Identification (NYPA Discount Indicator)	LIN Loop	REF	DTL	030	02	Reference Identification	Code indicating whether the account requested participates in the NYPA Discount Program.	N=No, the customer does not participate in the program Y=Yes, the customer does participate in the program	AN(1/30)	Required	Not used	When REF*YP is being sent, this element is required.
90	Reference Identification (Utility Discount Indicator)	LIN Loop	REF	DTL	030	01	Reference Identification Qualifier	Code indicating that REF02 contains the Utility Discount Indicator for the account requested.	SG	ID(2/3)	Conditional	Not used	Sent by the Utility to report a change in the customer's Utility Discount status.
91	Reference Identification (Utility Discount Indicator)	LIN Loop	REF	DTL	030	02	Reference Identification	Code indicating whether the account requested receives a Discount or Incentive Rate from the Utility.	N=No, there are no Utility Discounts/Incentive Rates Y=Yes, there are Utility Discounts/Incentive Rates program	AN(1/30)	Required	Not used	When REF*SG is being sent, this element is required.
92	Reference Identification (Industrial Classification Code)	LIN Loop	REF	DTL	030	01	Reference Identification Qualifier	Code indicating that REF02 contains the Industrial Classification Code for the account.	IJ	ID(2/3)	Conditional	Not used	Sent by the Utility to report a change in the customer's SIC or NAISC Code.
93	Reference Identification (Industrial Classification Code)	LIN Loop	REF	DTL	030	02	Reference Identification	The Industrial Classification Code for the account.		AN(1/30)	Required	Not used	When REF*IJ is being sent, this element is required.
94	Reference Identification (Industrial Classification Code)	LIN Loop	REF	DTL	030	03	Description	Code indicating whether REF02 contains the SIC or the NAISC Code.	NAISC=REF 02 contains NAISC Code SIC=REF02 contains SIC Code	AN(1/80)	Required	Not used	When REF*IJ is being sent, this element is required.
95	Reference Identification (Utility Tax Exempt Status)	LIN Loop	REF	DTL	030	01	Reference Identification Qualifier	Code indicating that REF02 contains the Utility Tax Exempt Status for the account requested.	TX	ID(2/3)	Conditional	Not used	Sent by the Utility to report a change in the customer's Tax Exempt Status.

Row No	NY DD Field Name	Loop ID	Segment	Level	Position	Ref Desc	Name	Description	Code	Data Type	Request	Response	Comments
96	Reference Identification (Utility Tax Exempt Status)	LIN Loop	REF	DTL	030	02	Reference Identification	Code indicating the Utility's Tax Exempt Status at the time the transaction was created for the account requested.	N=No Exemption, the customer is fully taxed for distribution charges. Y=Yes, the customer has some level of tax exemption for distribution charges.	AN(1/30)	Required	Not used	When REF*TX is being sent, this element is required.
97	Date/Time Reference (Effective Date of Change)	LIN Loop	DTM	DTL	040	01	Date/Time Qualifier	Code indicating segment contains effective date of change	007	ID(3/3)	Conditional	Conditional	Required on all Utility initiated requests (except for changes to Assigned Service Start or Assigned Service End Date). Required on the Utility Response to an ESCO request for a change in a customer's billing option. Required on requests from Single Retailer marketers when an address change is being reported. This segment should also be sent on ESCO Request transactions when a change in ESCO Commodity Price, Fixed Charge or Rate Code is being requested AND the Utility has agreed to process rate or price changes on a date other than the regularly scheduled bill cycle date.
98	Date/Time Reference (Effective Date of Change)	LIN Loop	DTM	DTL	040	02	Date		CCYYMMDD	DT(8/8)	Required	Required	When a DTM*007 segment is sent, this element is required.
99	Date/Time Reference (Assigned Service Start Date)	LIN Loop	DTM	DTL	040	01	Date/Time Qualifier	Code indicating this segment contains the assigned service start date	150	ID(3/3)	Conditional	Not used	This segment is used by the Utility to report a change in the effective date of the customer's enrollment and will only be sent during the period an enrollment is pending for the customer.
100	Date/Time Reference (Assigned Service Start Date)	LIN Loop	DTM	DTL	040	02	Date		CCYYMMDD	DT(8/8)	Required	Not used	When a DTM*150 segment is being sent, this element is required.
101	Date/Time Reference (Assigned Service End Date)	LIN Loop	DTM	DTL	040	01	Date/Time Qualifier	Code indicating segment contains the assigned service end date	151	ID(3/3)	Conditional	Not used	This segment is sent by the Utility to report a change in the service end date when a drop is pending for the customer. It is required when the service end date varies from the estimated end date provided in the Drop transaction by more than three days.



Row No	NY DD Field Name	Loop ID	Segment	Level	Position	Ref Desc	Name	Description	Code	Data Type	Request	Response	Comments
102	Date/Time Reference (Assigned Service End Date)	LIN Loop	DTM	DTL	040	02	Date		CCYYMMDD	DT(8/8)	Required	Not used	When a DTM*151 segment is being sent, this element is required.
103	Date/Time Reference (ICAP Effective Dates)	PTD Loop	DTM	DTL	020	01	Date/Time Qualifier	Code indicating that this DTM segment identifies the effective dates associated with the ICAP data provided.	AB2	ID 3/3	Optional	Not used	The Utility may provide an effective date range for the ICAP data in this transaction.
104	Date/Time Reference (ICAP Effective Dates)	PTD Loop	DTM	DTL	020	05	Date Time Period Format Qualifier	Code indicating that the value sent element 06 in this segment will be a Range of Dates Expressed in Format CCYYMMDD-CCYYMMDD.	RD8	ID 2/3	Required	Not used	When a DTM*AB4 is being sent, this element is required.
105	Date/Time Reference (ICAP Effective Dates)	PTD Loop	DTM	DTL	020	06	Date Time Period	Period expressed in the format CCYYMMDD-CCYYMMDD		AN 1/35	Required	Not used	When a DTM*AB4 is being sent, this element is required.
106	Monetary Amount (Tax Exemption Percent)	LIN Loop	AMT	DTL	060	01	Amount Qualifier Code	Code indicating some or all of the ESCO service is exempt from state sales tax.	DP	ID(1/3)	Conditional	Not used	This segment pertains to a change in the state sales taxes applicable to the ESCOs service on the account. This segment should be sent by the ESCO when there is a change in the tax exemption status of the account and the Utility is the bill calculator. This segment is not used in the Single Retailer Model.
107	Monetary Amount (Tax Exemption Percent)	LIN Loop	AMT	DTL	060	02	Monetary Amount	"1" = 100 percent (fully tax exempt); decimal numbers less than "1" represent percentages.	0.0000	R(1/18)	Required	Not used	When an AMT*DP segment is sent, this element is required. A "1" indicates the ESCO service on the account is fully tax exempt from state sales taxes. A "0" indicates the account is NOT exempt from state sales taxes.
108	Monetary Amount (ESCO Budget Plan Installment Amount)	LIN Loop	AMT	DTL	060	01	Amount Qualifier Code	Code indicating that AMT02 contains the installment amount that should appear on the customer's consolidated bill for a budget plan negotiated with the ESCO.	B5	ID(1/3)	Conditional	Not used	Where a utility that elects the practice in its Utility Maintained EDI Guide, this segment is sent in ESCO Request transactions to change the monthly budget installment amount the customer is expected to pay under ESCO negotiated budget plans. It is only applicable when the bill option is rate ready consolidated billing and the payment option is Pay-As-You-Get-Paid.
109	Monetary Amount (ESCO)	LIN Loop	AMT	DTL	060	02	Monetary Amount	Budget Plan Installment Amount	Whole numbers of the form xxx	R(1/18)	Required	Not used	When an AMT*B5 segment is sent this element is required.

Row No	NY DD Field Name	Loop ID	Segment	Level	Position	Ref Desc	Name	Description	Code <small>or xx (e.g. 100 or 75)</small>	Data Type	Request	Response	Comments
110	Monetary Amount (ESCO Commodity Price)	LIN Loop	AMT	DTL	060	01	Amount Qualifier Code	Code indicating that segment contains the ESCO commodity price	RJ	ID(1/3)	Conditional	Optional	This segment is sent by an ESCO to report a change in its commodity price when the bill option is Utility Rate Ready consolidated billing. The price change may be echoed back on the Utility Response transaction, at the option of the Utility, to confirm price changes. This segment may be accompanied by a DTM*007 segment to communicate the effective date of the change in Commodity Price when the applicable Utility has agreed to process such changes on a date other than the regularly scheduled bill cycle date. This segment is not used in the Single Retailer Model.
111	Monetary Amount (ESCO Commodity Price)	LIN Loop	AMT	DTL	060	02	Monetary Amount	Dollar amount	0.00	R(1/18)	Required	Optional	When an AMT*RJ is being sent, this element is required.
112	Monetary Amount (ESCO Fixed Charge)	LIN Loop	AMT	DTL	060	01	Amount Qualifier Code	Code indicating that segment contains the ESCO fixed charge per account	FW	ID(1/3)	Conditional	Not used	This segment is sent by an ESCO to report a change in its fixed charge per account when the bill option is Utility Rate Ready consolidated billing. This segment may be echoed back on the Utility Response transaction, at the option of the Utility, to confirm the change in the amount of the fixed charge on the account. This segment may be accompanied by a DTM*007 segment to communicate the effective date of the change in Fixed Charge when the applicable Utility has agreed to process such changes on a date other than the regularly scheduled bill cycle date. This segment is not used in the Single Retailer Model.
113	Monetary Amount (ESCO Fixed Charge)	LIN Loop	AMT	DTL	060	02	Monetary Amount	Dollar amount	0.00	R(1/18)	Required	Not used	When an AMT*FW is being sent, this element is required.
114	Monetary Amount (ICAP)	LIN Loop	AMT	DTL	060	01	Amount Qualifier Code	Code indicating that segment contains the customer's ICAP tag.	KZ	ID(1/3)	Conditional	Not used	ELECTRIC ONLY. This segment will be sent to report a change in the customer's ICAP Tag.
115	Monetary Amount (ICAP)	LIN Loop	AMT	DTL	060	02	Monetary Amount	"1" = 100 percent; decimal numbers less than "1" represent percentages.	0.0000	R(1/18)	Required	Not used	ELECTRIC ONLY. When an AMT*KZ segment is being sent, this element is required.
116	Monetary Amount	LIN Loop	AMT	DTL	060	03	Special Program	Code indicating if the ICAP tag has been	D=No, there is no Special	ID(1/1)	Optional	Not used	A general indicator not tied to any specific program.

Row No	NY DD Field Name	Loop ID	Segment	Level	Position	Ref Desc	Name	Description	Code	Data Type	Request	Response	Comments
	(ICAP)						Adjustment Indicator	adjusted for a Special Program.	Program Adjustment Indicator related to the ICAP Tag. C=Yes, there is a Special Program Adjustment Indicator related to the ICAP Tag.				
117	Monetary Amount (Customers Tax Rate for ESCO Charges - 1)	LIN Loop	AMT	DTL	060	01	Amount Qualifier Code	Code indicating that AMT02 contains the tax rate that should be used by the utility to calculate tax amounts applicable to ESCOs charges either for all service on the account OR for the portion of the service that is taxed at a residential rate.	9M	ID(1/3)	Conditional	Optional	Utility Rate Ready billing only. This segment is sent by an ESCO to report a change in the customer's tax rate for all service on the account OR for the portion taxed at a residential rate when the applicable utility requires the ESCO to provide tax data via EDI. When portions of the customer's service are taxed at different rates (i.e. a REF*RP was sent in the Enrollment request), then it may be necessary to send both an AMT*9M and an AMT*9N (see below). This segment may be echoed back in the response transaction at the option of the utility.
118	Monetary Amount (Customers Tax Rate for ESCO Charges - 1)	LIN Loop	AMT	DTL	060	02	Monetary Amount	Decimal numbers less than "1".	0.0000	R(1/18)	Required	Required	When an AMT*9M segment is sent, this element is required. Since tax rate information is being sent, the AMT02 should <1.
119	Monetary Amount (Customers Tax Rate for ESCO Charges - 2)	LIN Loop	AMT	DTL	060	01	Amount Qualifier Code	Code indicating that AMT02 contains the tax rate that should be used by the utility to calculate tax amounts applicable to ESCOs charges for the portion of the service that is taxed at a commercial rate.	9N	ID(1/3)	Conditional	Optional	Utility Rate Ready billing only. This segment is sent by an ESCO to report a change in the customer's tax rate for the portion of service taxed at a commercial rate when the applicable utility requires the ESCO to provide tax data via EDI. This segment is only applicable when a REF*RP was sent in the Enrollment request or split tax status was communicated in a prior change request. This segment may be echoed back in the response transaction at the option of the utility.
120	Monetary Amount (Customers Tax Rate for ESCO Charges - 2)	LIN Loop	AMT	DTL	060	02	Monetary Amount	Decimal numbers less than "1".	0.0000	R(1/18)	Required	Required	When an AMT*9N segment is sent, this element is required. Since tax rate information is being sent, the AMT02 should be <1.

Row No	NY DD Field Name	Loop ID	Segment	Level	Position	Ref Desc	Name	Description	Code	Data Type	Request	Response	Comments
121	Metered or UnMetered Service points	NM1 Loop	NM1	DTL	080	01	Entity Identifier Code	Codes used to describe an activity or a change in data associated with metered and/or unmetered service end points.	valid codes: MA, MQ, MR, MX	ID(2/3)	Conditional	Optional	An NM1 loop is used to report activity or changes in data associated with individual metered or unmetered service end points on an account and/or alternatively a change which pertains to all service end points on an account. This would include changes in the ESCO rate code for the account indicated in the Request transaction. Valid values for the Utility are: MA, MQ, MR and MX. The "MQ" code is the only valid value for an ESCO Request.
122	Metered or UnMetered Service points	NM1 Loop	NM1	DTL	080	02	Entity Type Qualifier	Required by X12	3	ID(1/1)	Required	Required	When an NM1 segment is sent, this element is required.
123	Metered or UnMetered Service points	NM1 Loop	NM1	DTL	080	08	Identification Code Qualifier	Code 32 used to indicate that NM109 contains a meter number; Code 93 is used to indicate that NM109 is a literal.	32 or 93	ID(1/2)	Required	Required	When an NM1 segment is sent, this element is required.
124	Metered or UnMetered Service points	NM1 Loop	NM1	DTL	080	09	Identification Code		meter number or text 'ALL' or 'UNMETERED'	AN(2/80)	Required	Required	When an NM1 segment is sent, this element is required.
125	Reference Identification (Reason for Change - Meter Level)	NM1 Loop	REF	DTL	130	01	Reference Identification Qualifier	Code which describes the change identified in the NM1 loop.	TD	ID(2/3)	Conditional	Optional	The REF*TD at position 130 is used to identify which data segment(s) are being changed at the detail (or meter) level (see notes on lines 45-46). A transaction may contain more than one REF*TD segment at this level. The REF*TD segments may be echoed back on Response transactions at the option of the sender.
126	Reference Identification (Reason for Change - Meter Level)	NM1 Loop	REF	DTL	130	02	Reference Identification	Code identifying the type of segment and segment qualifier for the data that has, or will be, changed.	see list of codes in IG	AN(1/30)	Required	Required	When a REF*TD segment is being sent at position 130, this element is required.
127	Reference Identification (Old Meter Number)	NM1 Loop	REF	DTL	130	01	Reference Identification Qualifier	Code indicating Old Meter Number is being communicated	46	ID(2/3)	Conditional	Not used	This segment is used to report the old meter number when one meter is being exchanged for another. The new meter number is sent in element NM109.
128	Reference Identification (Old Meter Number)	NM1 Loop	REF	DTL	130	02	Reference Identification	Old Meter Number	Old Meter Number	AN(1/30)	Required	Not used	When a REF*46 is being sent, this element is required to report the OLD meter number.

Row No	NY DD Field Name	Loop ID	Segment	Level	Position	Ref Desc	Name	Description	Code	Data Type	Request	Response	Comments
129	Reference Identification (Utility Rate Service Class)	NM1 Loop	REF	DTL	130	01	Reference Identification Qualifier	Code indicating REF02 contains the utility rate class	NH	ID(2/3)	Conditional	Not used	This segment is sent by the Utility when there has been a change in the customer's Utility rate service class.
130	Reference Identification (Utility Rate Service Class)	NM1 Loop	REF	DTL	130	02	Reference Identification	Utility rate service class	Text	AN(1/30)	Required	Not used	When a REF*NH is sent, this element is required. The data sent in REF02 may be used to retrieve rate information from a utility's web site.
131	Reference Identification (Utility Rate Sub Class)	NM1 Loop	REF	DTL	130	01	Reference Identification Qualifier	Code indicating REF02 contains the utility rate sub-class for the customer	PR	ID(2/3)	Conditional	Not used	This data segment will be sent by the Utility to communicate a change in the customer's Utility rate sub-class.
132	Reference Identification (Utility Rate Sub Class)	NM1 Loop	REF	DTL	130	02	Reference Identification	Utility rate sub-class	Text	AN(1/30)	Required	Not used	When a REF*PR is sent, this element is required. The data sent in REF02 may be used to retrieve rate information from a utility's web site.
133	Reference Identification (Utility Load Profile Group Code)	NM1 Loop	REF	DTL	130	01	Reference Identification Qualifier	Code indicating the Utility assigned load profile code	LO	ID(2/3)	Conditional	Not used	ELECTRIC ONLY. This segment will be sent by the Utility to communicate a change in the customers load profile code.
134	Reference Identification (Utility Load Profile Group Code)	NM1 Loop	REF	DTL	130	02	Reference Identification	Utility assigned load profile code	Utility assigned load profile code	AN(1/30)	Required	Not used	When a REF*LO is being sent, this element is required.
135	Reference Identification (Measurement Type and Reporting Interval)	NM1 Loop	REF	DTL	130	01	Reference Identification Qualifier	Code indicating that this segment will contain the type of consumption measured by the meter and the interval between measurements.	MT	ID(2/3)	Conditional	Not used	This segment will be sent by the Utility to describe the measurement types and reporting intervals for the service delivery point(s) identified in the NM109 element when (1) one meter has been exchanged for another and the measurement types and/or reporting intervals for the new meter are different than the measurement types and/or reporting intervals associated with the old meter; (2) a meter has been added; or (3) there are changes or corrections to the measurement types and/or reporting intervals for an existing meter.
136	Reference Identification (Measurement Type and Reporting Interval)	NM1 Loop	REF	DTL	130	02	Reference Identification		refer to codes in IG	AN(1/30)	Required	Not used	When a REF*MT segment is sent, this element is required.

Row No	NY DD Field Name	Loop ID	Segment	Level	Position	Ref Desc	Name	Description	Code	Data Type	Request	Response	Comments
137	Reference Identification (Use Time of Day)	NM1 Loop	REF	DTL	130	01	Reference Identification Qualifier	Code indicating that this segment contains data on the time of day classification for which measurements are obtained.	TU	ID(2/3)	Conditional	Not used	ELECTRIC ONLY. This segment is sent when there is a change in the manner usage will be measured on an account due to a meter addition or a meter exchange or a correction in previously reported data AND the "COMBO" code was sent in the REF*MT segment OR usage is measured in time intervals.
138	Reference Identification (Use Time of Day)	NM1 Loop	REF	DTL	130	02	Reference Identification Qualifier	Codes indicating time of day classification	41, 42, 43, or 51	AN(1/30)	Required	Not used	When a REF*TU segment is being sent, this element is required.
139	Reference Identification (Use Time of Day)	NM1 Loop	REF	DTL	130	03	Description	Codes used to describe the measurement type and interval between measurements.	Type: K1, K2, K3, K4, K5, or KH Interval: BIM, DAY, MON, QTR, or TOU, or 001-999 for minutes.		Required	Not used	When a REF*TU segment is being sent, this element is required.
140	Reference Identification (ESCO Rate Code)	NM1 Loop	REF	DTL	130	01	Reference Identification Qualifier	Code indicating REF02 contains the ESCO rate code for a meter, all meters or all unmetered service.	RB	ID(2/3)	Conditional	Conditional	This segment will be sent by the ESCO to report a change in rate code for the customer (only applicable to Utility Rate Ready consolidated billing situations). This segment may be accompanied by a DTM*007 segment to communicate the effective date of the change in Rate Code when the applicable Utility has agreed to process such changes on a date other than the regularly scheduled bill cycle date.
141	Reference Identification (ESCO Rate Code)	NM1 Loop	REF	DTL	130	02	Reference Identification Qualifier	ESCO Rate Code	text	AN(1/30)	Required	Required	When a REF*RB segment is being sent, this element is required.
142	Transaction Set Trailer	None	SE	TLR	150	01	Number of Included Segments	Number of segments in this transaction.	#	NO 1/10	Required	Required	Required in all transactions.
143	Transaction Set Trailer	None	SE	TLR	150	02	Transaction Set Control Number		ST02	AN(4/9)	Required	Required	Required in all transactions.

## ACCOUNT CHANGE BUSINESS PROCESS

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*This document describes the detailed Account Change business processes for the State of New York. It was developed from recommendations made by the NY EDI Collaborative Workgroup (CWG)<sup>1</sup> and subsequently adopted by the New York Commission. This document describes the detailed processes to be followed to address changes in a customer's account data. In developing its business processes, the Collaborative reviewed the NY Retail Access Uniform Business Practices (UBP), issued and effective 4/15/99 to determine the applicability of these rules to the account change process. In this instance, the Collaborative Work Group found no specific business practices addressing the processing of account change data. On May 18, 2001 the Commission issued Uniform Business Practices governing Billing and Payment Processing. To the extent that these rules are applicable to the business processes described in this document they have been reproduced here and can be identified by the notation (UBP-B&PP). In developing these business processes, the following documents were reviewed:*

- Order Taking Actions to Improve the Residential and Small Nonresidential Retail Access Markets, issued and effective February 25, 2014 in Case 12-M-0476 *et.al.*

### NOTES:

- Any item displayed under a Process component (i.e. rules, etc.) is also applicable for its sub-processes, unless otherwise noted.
- All Customer information is considered confidential.
- For purposes of validating EDI transactions, the ESCO must provide the customer's utility account number (with check digit, if included).
- The effective date of change will be communicated by the Utility on Change Request transactions and on certain Change Response transactions. Some utilities may require the ESCO to provide an effective date of change on some change requests. For change responses where there are no rules regarding effective date, the default date will be the date the positive response was sent, indicating the recipient has accepted the responsibility of making any necessary changes in their system. Rules for effective date of change are addressed in the sub-processes where applicable.

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<sup>1</sup> The processes contained herein were reviewed and updated by the Case 12-M-0476 EDI Working Groups.

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## ACCOUNT CHANGE BUSINESS PROCESS

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- Each change transaction may contain only one account for one commodity. Each transaction may contain multiple changes for an individual account.
- Only the Utility can change the effective service start or end dates.
- Although transactions may be sent to Utilities at any time, they will only be processed during Utility normal business days and hours. Utilities are expected to respond to most change requests within two business days. For example, if the required response time is two business days and a Utility receives a valid change request at its Web server at 3:00 AM on Day 1, the Utility must respond by the close of business on Day 2. If the request were received at 8:00 PM on Day 1, the Utility would respond by the close of business on Day 3.

PROPOSED



**ACCOUNT CHANGE BUSINESS PROCESS**

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<i>AC0 Process Account Change Request.....</i>	<i>4</i>
<i>AC1.0 Change In Service Start/ End Date.....</i>	<i>8</i>
<i>AC2.0 Change in Billing Option .....</i>	<i>10</i>
<i>AC3.0 Change In Customer/Account Data.....</i>	<i>15</i>

PROPOSED

**ACCOUNT CHANGE BUSINESS PROCESS**

<b>PROCESS NUMBER:</b>	AC0
<b>PROCESS NAME:</b>	<i>PROCESS ACCOUNT CHANGE REQUEST</i>
<b>PROCESS DEFINITION:</b>	The process by which a Utility or ESCO communicates a change in the service effective dates, the customer's billing option or other customer information. Depending on the type of change requested, changes may be communicated during the period an enrollment is pending for a customer, after the customer has been established with an ESCO or during the period a drop is pending for a customer.
<b>TRIGGER(S):</b>	Customer advises Utility or ESCO of change to customer information; Utility makes a change to customer account/service; ESCO makes a change to customer account/service.
<b>ESTIMATED / PEAK TRANSACTION RATE:</b>	Varies: high during promotional periods; lower during open enrollment. The volume is expected to fluctuate during enrollment activity, but may also be affected by internal Utility activity such as periods in which meter reading cycles are being changed.
<b>PROCESS INPUTS:</b>	<p>Utility Information; ESCO information; Customer Information; Service Information; reason for change, change data including original data where applicable, effective date of change (see Change Implementation Guide).</p> <p>A change in one data element may necessitate changes in dependent data elements. For example, if a change in service Start/End Date occurs due to a change in the customers meter cycle date, a change to the cycle code will also be sent in the Change Request.</p>

## ACCOUNT CHANGE BUSINESS PROCESS

<b>PROCESS OUTPUTS:</b>	<p><b>Positive Response:</b> See Sub-processes.</p> <p><b>Negative Response:</b></p> <p>Account Not Found (this includes inactive account numbers as well as no account number found).</p> <p>Account Does Not Have Service Requested.</p> <p>Required Information Missing</p> <p>Change Reason Missing Or Invalid</p> <p>Meter Number Invalid or Not Found</p>
<b>SUB OR PRECEDING PROCESSES:</b>	<ul style="list-style-type: none"> <li>• Utility or ESCO makes a change to a customer account.</li> <li>• Utility or ESCO reports the change to the other party.</li> <li>• Utility or ESCO processes update to customer account as applicable.</li> <li>• Utility or ESCO responds to change request.</li> </ul> <p>The following sub-processes are described in this document:</p> <ul style="list-style-type: none"> <li>• AC1.0 Change In Service Start/ End Date.</li> <li>• AC2.0 Change in Billing Option.</li> <li>• AC3.0 Change In Customer/Account Data.</li> </ul>
<b>PROCESS RULES:</b>	<p>Each 814 Change transaction may contain changes applicable to only one account for one commodity, but several changes for that account and commodity may be communicated in each 814 Change transaction.</p> <p>Multiple responses to a change request may be initiated as each individual change is processed.</p> <p>The Utility must always communicate the effective date of change on a Change Request transaction.</p> <p>The Utility Change Response transaction may contain an “effective date of change”.</p> <p>In the Single Retailer Model, the ESCO may be required to communicate an effective date for certain</p>

## ACCOUNT CHANGE BUSINESS PROCESS

changes in their Change Request transactions.

Change Request transactions initiated by an ESCO may contain an effective date when a change in ESCO Commodity Price, Fixed Charge or Rate Code is being requested, the Utility is the Bill Presenter and Bill Calculator (Rate Ready consolidated billing) and the applicable Utility has agreed to process such changes on a date other than the regularly scheduled bill cycle date. The Effective Date of Change indicated in the Utility Response transaction sent in response to these requests will govern the actual date that the change in ESCO prices, charges or rates is, or will be, processed.

For Change Response transactions where there are no rules governing the effective date, the default date is the date the positive Response transaction was sent, indicating that the recipient has accepted the responsibility of making any necessary changes in their system.

The recipient of an 814 Change Request transaction is responsible for making any changes in their system as necessary. A positive or negative Change Response transaction must be sent in response to each Change Request transaction. A positive response will indicate only that the Change Request transaction was valid and that the change information was present. The recipient of the Change Request transaction will determine whether to update their system with the change data.

Only the Utility can initiate a Change Request transaction to modify the effective service start or end dates for a customer enrollment. A change in the service start date can only be made when an enrollment is pending; likewise, a change to the service end date can only be made when a drop is pending.

The Utility can request a change in the Service Start Date, Service End Date, Billing Option and Customer/Account Data.

The ESCO can request a change in Customer/Account Data and Billing Option.

A Change Request transaction pertaining to Customer/Account Data and Billing Option may be sent at any time. However there may be other process rules that control the effective date of change ( see sub process rules).

**ACCOUNT CHANGE BUSINESS PROCESS**

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	Agreements between the Utility and a participating ESCO should document the specific data elements that must be reported and/or updated by each party.
<b>COMMENTS :</b>	

PROPOSED

**ACCOUNT CHANGE BUSINESS PROCESS**

<b>PROCESS NUMBER:</b>	AC 1.0
<b>PROCESS NAME:</b>	<i>CHANGE IN SERVICE START/ END DATE</i>
<b>PROCESS DEFINITION:</b>	The process by which the Utility communicates a change in service start date or service end date.
<b>TRIGGER(S):</b>	A change in a previously provided effective date due to administrative or operational conditions (e.g., unable to obtain an actual meter read for a scheduled switch date).
<b>ESTIMATED / PEAK TRANSACTION RATE:</b>	High during promotional periods; moderate during open enrollment.
<b>PROCESS INPUTS:</b>	See Parent
<b>PROCESS OUTPUTS:</b>	<p><b>Positive Response:</b> Utility Information, ESCO information, Customer Information, Service Information.</p> <p><b>Negative Response:</b> See parent.</p>

**ACCOUNT CHANGE BUSINESS PROCESS**

<b>SUB OR PRECEDING PROCESSES:</b>	See Parent.
<b>PROCESS RULES:</b>	<p>A Change Request transaction to communicate a change in service start or end date can only be sent by the Utility.</p> <p>The ESCO cannot send a Change Request transaction to communicate a change in the service start or service end date.</p> <p>A change in the service start date can only be requested when an enrollment is pending.</p> <p>A change in the service end date can only be requested when a drop is pending.</p>
<b>COMMENTS:</b>	

**ACCOUNT CHANGE BUSINESS PROCESS**

<b>PROCESS NUMBER:</b>	AC 2.0
<b>PROCESS NAME:</b>	<i>CHANGE IN BILLING OPTION</i>
<b>PROCESS DEFINITION:</b>	The process by which a Utility or ESCO communicates a change to a customer's Billing Option. A change in bill option would require, at a minimum, a change in the designation of bill presenter and/or bill calculator. In addition, it may be necessary for the entity requesting the change to also send several additional data segments that may be dependent upon the choice of bill option such as Commodity Price, ESCO Rate Code, etc.
<b>TRIGGER(S):</b>	A change in billing relationship with the customer.
<b>ESTIMATED / PEAK TRANSACTION RATE:</b>	Low to moderate.
<b>PROCESS INPUTS:</b>	See Parent.



## ACCOUNT CHANGE BUSINESS PROCESS

<b>PROCESS OUTPUTS:</b>	<p><b>Positive Response:</b> Utility Information, ESCO information, Customer Information, Service Information, effective date of change (Utility only).</p> <p><b>Negative Response:</b></p> <p>See parent for other applicable negative responses</p> <p>Incorrect billing option requested.</p> <p>Incorrect bill calculation type</p> <p>Requested rate not found</p> <p>Other</p>
<b>SUB OR PRECEDING PROCESSES:</b>	<p>See parent.</p>
<b>PROCESS RULES:</b>	<p>Change transactions may be sent for either a pending or an established customer.</p> <p>(UBP- B&amp;PP B.3) Billing and payment processing options available in a service territory, including any additional or expanded options, and all variations on the practices identified herein that may be developed, must be made available by the utility to all eligible ESCOs for their customers' use and must be provided in a non-discriminatory manner, subject to general credit practices and the creditworthiness provisions of the Commission's Uniform Business Practices .</p> <p>(UBP- B&amp;PP B.5) Eligible ESCOs may select, from the options available [in a service territory], which billing option(s) to offer their customers.</p> <p>(UBP- B&amp;PP B.8. &amp; 9.) ESCOs must provide advance notice to utilities of plans to offer their customers an approved billing option that would impact the utility. The option may not be operational until the adequacy of data interchange for that option has been successfully demonstrated to the utility</p>

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through testing. ESCOs must provide advance notice (prior to the start of a billing cycle period) to utilities and customers of any decision to terminate a billing option that would impact the utilities and/or the customers.

(UBP- B&PP C.1.d.) The Consolidated Billing option may involve use of either “Bill Ready” or “Rate Ready” methods for handling the non-billing party’s billing data. ESCOs intending to issue consolidated bills containing utility data (“ESCO Consolidated Billing”) must use the “Bill Ready” method (unless the parties agree to another method).

(UBP- B&PP C.1.h.) Bill Cycle and payment due dates shall be set by utilities unless agreement is reached between the utilities and the ESCO to establish alternative dates that do not adversely affect customers.

(UBP- B&PP C.2.d.) Under the “Bill Ready” method, each party is responsible for calculating and identifying the sales and use taxes applicable to its own charges; under the “Rate Ready” method, the billing party will calculate the sales and use taxes to be added to customers’ bills based on tax rate information acceptable to the non-billing party (the non-billing party is responsible ultimately for its own tax liabilities).

(UBP- B&PP C.2.h.) Under the “Rate Ready” approach, the non-billing party must provide the billing party with the rates, rate codes, and/or prices (fixed and/or variable) to be used to calculate the non-billing party’s customers’ bills. The billing party shall specify in the Billing Services Agreement how many prices per service class per commodity it will accept, when they must be submitted, and how often they may be changed. The new prices will all become effective beginning with a meter reading date (or month, for gas utilities, if applicable) set by the non-billing party. The billing party will designate which prices apply to which customers at least 15 calendar days before the customers’ meter reading date (or the first of the applicable month for gas utilities, as appropriate). Absent such notifications, customers’ charges and rates will remain unchanged for the consolidated bill.

(UBP- B&PP C.2. k.) Special billing features that have no effect on the non-billing party may be implemented by the billing party to the extent not prohibited by law, regulation or Order. The non-

## ACCOUNT CHANGE BUSINESS PROCESS

billing party may offer special billing features (such as budget billing or average payment plans) where the “Bill Ready” method is used.

(UBP- B&PP C.2.1.) When the “Rate Ready” method is used, the non-billing party may offer such special features if both the billing and non-billing parties agree and address the mechanism in the Billing Agreement.

(UBP- B&PP C.3.a. (1)) ESCOs must provide advance notice to utilities of plans to offer their customers a Consolidated Billing option. The option may not be operational until the adequacy of the data interchange has been successfully demonstrated to Staff of the Department of Public Service and to the specific utility through testing.

(UBP- B&PP C.3.b) ESCOs and utilities must provide at least 15 calendar days advance notice (prior to a meter reading date or the first of a calendar month for gas utilities, (where applicable) to each other of any decision to change billing options offered to customers.

(UBP- B&PP C.3.c. (1)) ESCOs and utilities must provide at least 15 calendar days advance notice (prior to a meter reading date or the first of a calendar month for gas utilities, where applicable) to each other of any decision to terminate a billing option available to customers.

A change in Billing option will take place on the bill cycle date.

The Change Request transaction containing a billing option change must be received at least 15 calendar days prior to the customer’s meter cycle date. Valid change request transactions containing a change in bill option that do not comply with the 15 day requirement will not be rejected but the change in bill option will not become effective until the next succeeding meter read date for that customer.

The general rule is that the recipient of the change request will determine whether to update their system with the change data (see AC0). When, however, a Change Request transaction containing a billing option change is accepted, the recipient must update their system to reflect the new bill option. Receipt of a positive 814 Change Response transaction will indicate that the update was made.

**ACCOUNT CHANGE BUSINESS PROCESS**

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	Change Request transactions may be initiated by either the Utility or ESCO. Any changes in customers' billing option is limited to the billing options currently available in the Utility's service territory.
<b>COMMENTS:</b>	COMMENT: During the period this document was being developed, an order on uniform business practices for billing and payment processing was pending release. Accordingly, it may be necessary to subsequently revise the business process rules in this document, regarding EDI processing for change requests pertaining to bill options, following the Collaborative's development of business processes to support various billing scenarios.

PROPOSED

## ACCOUNT CHANGE BUSINESS PROCESS

<b>PROCESS NUMBER:</b>	AC 3.0
<b>PROCESS NAME:</b>	<i>CHANGE IN CUSTOMER/ACCOUNT DATA</i>
<b>PROCESS DEFINITION:</b>	The process by which the Utility or ESCO communicates a change in customer or account information.
<b>TRIGGER(S):</b>	Customer advises Utility or ESCO of change to customer information (e.g., mailing address); Utility makes a change to customer account data (e.g. account number, meter number, rate); ESCO makes a change to customer account (e.g. ESCO rate).
<b>ESTIMATED / PEAK TRANSACTION RATE:</b>	Moderate.
<b>PROCESS INPUTS:</b>	See Parent.
<b>PROCESS OUTPUTS:</b>	<p><b>Positive Response:</b> Utility Information, ESCO information, Customer Information, Service Information, effective date of change where applicable.</p> <p><b>Negative Response:</b>  See parent for other applicable negative responses  Requested rate not found  Other</p>
<b>SUB OR PRECEDING PROCESSES:</b>	See Parent

**ACCOUNT CHANGE BUSINESS PROCESS**

<b>PROCESS NUMBER:</b>	AC 3.0
<b>PROCESS NAME:</b>	<i>CHANGE IN CUSTOMER/ACCOUNT DATA</i>
<b>PROCESS RULES:</b>	<p>Changes may be sent on either a pending or an established customer..</p> <p>An 814 Change Request transaction may be initiated by either the Utility or the ESCO.</p> <p>A change in Life Support status must be communicated by an ESCO under the Single Retailer Model.</p> <p>Meter removal(s) will only be reported on a Change Request transaction when the account is remaining active.</p> <p>(UBP- B&amp;PP C.1.h.) Bill Cycle and payment due dates shall be set by utilities unless agreement is reached between the utilities and the ESCO to establish alternative dates that do not adversely affect customers.</p> <p>Only the Utility can change a bill cycle. The Utility must notify the ESCO when the bill cycle changes.</p> <p>(UBP- B&amp;PP C.2. k.) Special billing features that have no effect on the non-billing party may be implemented by the billing party to the extent not prohibited by law, regulation or Order. The non-billing party may offer special billing features (such as budget billing or average payment plans) where the “Bill Ready” method is used.</p> <p>(UBP- B&amp;PP C.2.1.) When the “Rate Ready” method is used, the non-billing party may offer such special features if both the billing and non-billing parties agree and address the mechanism in the Billing Agreement.</p> <p>When the Utility or the ESCO is rendering a consolidated bill, and the billing party offers budget-billing arrangements, the non-billing party must report to the billing party a change in the customer’s budget</p>

**ACCOUNT CHANGE BUSINESS PROCESS**

<b>PROCESS NUMBER:</b>	AC 3.0
<b>PROCESS NAME:</b>	<i>CHANGE IN CUSTOMER/ACCOUNT DATA</i>
	<p>billing status with respect to their charges. The billing party must update their records to note this change.</p> <p>Data subject to change:</p> <p><u>Account Level:</u></p> <p>Customer name, Customer Service Address, Name for Mailing Address, Mailing Address, Customer Phone Number, Utility Account Number, ESCO Customer Account Number, Meter Cycle Code, Bill Cycle Code, Bill Presenter, Bill Calculator, Current Budget Billing Status, Partial Participation Portion, Customer on Life Support (Single Retailer Model Only), Gas Pool ID, Gas Capacity Assignment/Obligation, Gas Supply Service Option, ISO Location Based Marginal Pricing Zone, Portion Taxed Residential, Tax Exemption Percent, ESCO Commodity Price, ESCO Fixed Charge and Electric Capacity Assignment.</p> <p><u>Meter Level:</u></p> <p>Metered or Unmetered service points, Meter Number, Utility Rate Service Class, Rate Sub Class, Utility Load Profile Group Code, Measurement Type and Reporting Interval, Use Time of Day, ESCO Rate Code.</p>
<b>COMMENTS:</b>	

# New York Implementation Standard

For  
**Standard Electronic  
Transactions**

TRANSACTION SET

# 814

## Change (Account Maintenance)

Ver/Rel 004010



	<b>Summary of Changes</b>
November 1, 2001 Version 1.0	Initial Release
April 16, 2002 Version 1.1	Version 1.1 Issued
	Notice of Correction Max Use of the REF* <del>TU</del> segment is revised from 1 to >1.
August 7, 2002 Version 1.2	Version 1.2 Issued
	Added new REF segment (REF*AJ) to accommodate exchange of a Utility Account Number for the ESCO/Marketer
	Inserted updated Field Descriptions Guideline Page
	Modified the segment notes for the N1*8R and N1*BT segments to clarify that an N1 segment is required in an N1 loop when other segments are sent in that loop.
	Modified the element notes for REF03 in the REF*65 (Meter Cycle Code) and REF*BF (Bill Cycle Code) segments to indicate it is only required when the REF02 data in each segment is insufficient for the recipient to determine when, or how frequently, a customer's meter is read or the account is billed. (See October 2, 2001 clarification).
	Modified the segment notes for the REF*BLT (Bill Presenter) and REF*PC (Bill Calculator) segments to remove the parenthetical reference to RG&E regarding Single Retailer since National Fuel will also offer Single Retailer.
	Modified the Front Matter Notes regarding 'Request Transactions' to indicate that changes in bill option may not be processed when the customer is not yet active with the E/M initiating the Request transaction. (See June 21, 2002 order adopting EDI standards for Utility Rate Ready Consolidated Billing).
	Modified the segment notes for the AMT*DP segment to remove the parenthetical relating to RG&E in favor of a more generic note. Both RG&E and National Fuel Gas offer single Retailer Model.
	Added text to the segment notes for the REF*MT (Measurement Type and Reporting Interval) segment and REF02 element to indicate that this segment must be accompanied by a REF* <del>TU</del> segment in some instances in order to adequately describe the measurement period(s) or time intervals associated with specific service end points.
	Modified the use attribute for REF*TD (Reason for Change – Account Level) segment at position 030 from Required to Conditional. This segment is only required when a change in account level data is being reported.
March 17, 2004 Version 1.3	Version 1.3 Issued
	Corrected the 'Max Use' attribute for the REF*TD (Reason for Change – Meter Level) segment in the NM1 loop to >1.
	An element note is added to clarify the use of the LIN01 identifier in a Response transaction.
	Added two codes (AMT9M & AMT9N) to the REF*TD (Reason for Change – Account Level) segment to enable ESCOs to transmit information about changes in <del>customers</del> <u>customer's</u> tax rates when the <del>customers</del> <u>customer's</u> bill option is Utility Rate Ready Consolidated billing.
	Added AMT*9M and AMT*9N segments to enable ESCOs to transmit changes in customer's tax rate information when the bill option requested is Utility Rate Ready consolidated billing and the Utility requires ESCOs to provide this data. When different tax rates are applicable to portions of the <del>customers</del> <u>customer's</u> service i.e. when a REF*RP (Portion Taxed Residential) segment was present in an Enrollment Request transaction, it will be necessary to send both the 9M (residential tax rate applicable to a portion of the service) and the 9N segment (commercial tax rate applicable).
	Corrected the segment notes for the NM1 Loop to indicate that transmitting an NM1 Loop in a Response transaction is 'Optional' rather than "Not Used".
	Corrected sample transaction 2.A. (E/M Change Request) to delete the DTM007 (Effective Date of Change) segments which are not applicable to the change being reported in this example.

## NY 814 Change Request &amp; Response

	Modified sample transactions 4.A. & 4.B. to add segments for a change in the customer's tax rate coincident with the change to Utility Rate Ready billing.
	Notes regarding the attributes of "R" elements are added to the Front Matter notes.
	Coding for the REF*GC (Gas Capacity Assignment/Obligation) has been corrected (from Yes/No to Y/N) to be consistent with the coding for the same segment in the Enrollment Standard.
May 17, 2006 Version 1.4	Version 1.4 Issued
	Any references to Niagara Mohawk or NMPC throughout the document were revised to refer to National Grid.
	References to RG&E's use of the Single Retailer Model have been deleted. This model is no longer offered in Rochester's service territory. A new example replaces Scenario #4 in the previous Implementation Guide.
	A PER segment is added to the N1 (Customer) Loop (N101=8R) to enable parties to communicate changes in a <del>customers</del> customer's telephone number where the telephone number was initially sent in an Enrollment Accept Response transaction in an N1 (Customer) Loop. A change in the customer's telephone number coincident with a change in mailing address should be reported in an N1 (Name for Mailing) Loop in the Single Retailer model (see scenario 2 in the examples).
	The N1*8R (Customer) segment note is revised to delete extraneous text and to reflect the addition of a PER segment in the N1 (Customer) Loop.
	The LIN segment notes are revised to clarify the looping structure at the header and detail levels when multiple changes are being sent in a Request transaction.
	The REF*11 (ESCO/Marketer Customer Account Number) segment note is changed to indicate that this segment must be sent when the Utility is the bill presenter and there is a change in the account number.
	The REF*12 (Utility Account Number) segment note is changed to reflect the correct line number reference in the data dictionary.
	A REF03 element is added to the REF*12 segment (Utility Account Number) for use in Change Requests sent to, or received from, Orange & Rockland Utilities when the reported change pertains to the un-metered portion of a <del>customers</del> customer's electric service when both metered and un-metered service are present on the same account.
	The REF*AJ (Utility Assigned Account Number for ESCO/Marketer) segment note is revised to indicate that this segment is Not Used in a Response transaction.
	A REF*LF (E/M Late Fees) segment is added at the account level to enable E/Ms to communicate a change in late fee policies for <del>customers</del> customer's receiving a Rate Ready consolidated bill from National Fuel Gas.
	An AMT*B5 (E/M Budget Plan Installment Amount) segment is added for use in National Fuel Gas service territory. The AMT*B5 segment is used in that service territory to communicate a change in the <del>customers</del> customer's budget plan installment amount for E/M charges when the bill option is Rate Ready consolidated billing and the payment option is Pay-As-You-Get-Paid.
	Additional codes were added to the REF*TD (Reason for Change – Account Level) segment to accommodate the new segments (PERIC, REFLF, and AMTB5).
<u>October 23, 2014</u> <u>Version 1.5</u>	<u>Version 1.5</u>
	<u>New Change Reason Codes added at the account level and new segments from Case No. 12-M-0476</u> <u>REFIJ – Change Industrial Classification Code</u> <u>REFSG – Change Utility Discount Indicator</u> <u>REFTDT – Change Account Settlement Indicator</u> <u>REFTX – Change Tax Exempt Status</u> <u>REFYP – Change NYPA Discount Indicator</u> <u>Added new segment</u> <u>DTM*AB2 (ICAP Effective Dates)</u>
	<u>Utility specific notes are generalized, as appropriate, and designated for relocation to/reference within Utility Maintained EDI Guides, as necessary.</u>

	<u>Replaced references to Marketer and E/M with ESCO</u>

PROPOSED

	<b>Notes pertaining to the use of this document</b>
Purpose	<ul style="list-style-type: none"> <li>An 814 Change transaction is used to communicate changes in customer account information between market participants. The 814 Change Standards are based on the ASC X12 Ver/Rel 004010 standard and related UIG guidelines.</li> </ul>
One account per 814	<ul style="list-style-type: none"> <li>Each change transaction may contain only one account for one commodity (i.e. electric, gas, etc.).</li> </ul>
Cross referencing Request & Response Transactions	<ul style="list-style-type: none"> <li>The BGN02 element in the BGN segment received on a request must be returned in the BGN06 element of the BGN segment sent on the response.</li> <li>The LIN01 element is used to cross-reference each individual LIN response with its corresponding request.</li> </ul>
Validation Field	<ul style="list-style-type: none"> <li>In New York, the validation field is the customer's utility account number (with check digit, if included).</li> </ul>
Request Transaction	<ul style="list-style-type: none"> <li>An 814 Change transaction can accommodate more than one change request per commodity per account.</li> <li>Each change request pertaining to data transmitted at the account level must be sent in a separate LIN loop. Account level items include all segments listed on page 1 of this guide under "Heading" as well as those segments listed under "Detail" that are NOT part of the NM1 loop. For example, if changing from dual billing to utility consolidated billing, it would be necessary to request a change in bill presenter as well as bill calculator. Each change request in this example would be sent in a separate LIN loop.</li> <li>Customer name changes are sent in the N1*8R segment. Changes to the name for mailing address are sent in the N1*BT segment. Changes in the customer's telephone number should be sent in the N1 (Customer) Loop (N101=8R) if the information originated in that Loop.</li> <li>At the meter level, all change requests are grouped by meter in individual LIN loops. If a change is made to all meters on a multi-metered account, the data should be reported in a single NM1 loop and the literal "ALL" sent in the NM109 element. Changes related to a single meter, such as changes to both Utility Rate Class and Utility Load Profile Group code, are sent in one LIN Loop. Change requests for different meters are grouped in separate LIN loops. For example, if different Utility Rate codes apply to each meter on a multi-metered account, the change to Utility Rate Code should be reported in a separate LIN loop for each meter.</li> <li><del>E/MESCO</del> initiated Requests to change a customer's bill option (Bill Presenter and/or Bill Calculator segments) may not be processed for accounts that are not yet active with that <del>E/MESCO</del> (i.e. enrollment is pending but not yet effective) at the time the change Request was received.</li> </ul>
NM1 loop structure	<ul style="list-style-type: none"> <li>Changes to meter information are communicated in the NM1 loop. Each NM1 loop may contain all changes for a particular meter, all changes affecting the un-metered service on the account or a single change that pertains to all metered or un-metered service points on the account. Each NM1 loop is sent within a single LIN loop. If multiple changes are being requested, the changes pertaining to each meter or un-metered service are sent in separate NM1 loops. Each NM1 loop may be associated with only one LIN loop.</li> </ul>

Response Transaction	<ul style="list-style-type: none"> <li>There must be one response LIN for each request LIN.</li> <li>Requests are accepted or rejected at the LIN level.</li> <li>Responses may be created and sent at different times in different 814 transactions, but the response for each request must be sent within 2 business days.</li> <li>The Change Response Transaction has been structured as follows: <ul style="list-style-type: none"> <li>The transaction containing an Accept Response may contain the REF*TD(s) from the request transaction, at the option of the sender, but will not contain or echo back the segment that was changed.</li> <li>The transaction containing a Reject Response will contain the rejection reason (REF*7G) and, may contain, at the option of the sender, the REF*TD(s) from the Request Transaction and/or the segments that were in error.</li> </ul> </li> </ul>
Use of REF*TD segment	<ul style="list-style-type: none"> <li>The REF*TD segments are used to indicate to the receiver the type of change that is being requested. At least one REF*TD is required on a Request transaction. The REF*TD(s) may be echoed back on the Response transaction at the option of the sender.</li> <li>REF*TD segments are located at the account (LIN) or meter (NM1) level within the document. <ul style="list-style-type: none"> <li>Each data element that is being changed at the Account (LIN) level must be associated with a REF*TD segment in the LIN loop.</li> <li>For a meter addition, a REF*TD code of NM1MA must be present, and all new data reported in a single NM1 loop.</li> <li>For a meter exchange, a REF*TD code of NM1MX must be present, and all data for the new meter is reported in a single NM1 loop (a REF*46 segment, containing the old meter number, is returned in the same NM1 loop).</li> <li>For a meter removal (not an exchange), an NM1 segment and a REF*TD segment with a code of NM1MR must be present. No other segments or elements are required.</li> <li>For other changes at the meter level, an NM1 segment, the applicable REF*TD segment, and the segment containing the change must be present.</li> </ul> </li> </ul>
Conditional Segments	<ul style="list-style-type: none"> <li>A change in one data segment may necessitate changes in dependent data segments. For example, when there is a change in billing option, some dependent data segments may also be subject to change. For example, when changing from dual billing to Utility rate ready consolidated billing, in addition to the changes in Bill Presenter and Bill Calculator segments, it will be necessary to send other data segments (such as <del>E/AMESCO</del> Commodity Price, <del>E/AMESCO</del> Fixed Charge, or <del>E/AMESCO</del> Rate Code, Percent Tax Exempt, Portion Taxed Residential, Current Budget Billing Status, etc.) in order for the Utility to be able to calculate the customer's bill.</li> </ul>
Changes to Utility Account Numbers or Meter Numbers	<ul style="list-style-type: none"> <li>When updating or correcting existing Utility account numbers or meter numbers, the Change Request transaction must contain the new (or corrected) and old number.</li> <li>For the Utility account number, the new, or corrected, account number is sent in a REF*12 segment. The old account number is sent in a REF*45 segment.</li> <li>For meter numbers, the new, or corrected, meter number is sent in an NM1 segment. The old meter number is sent in a REF*46 segment.</li> </ul>

Use of DTM*007 segment	<ul style="list-style-type: none"> <li>A DTM*007 segment (Effective Date of Change) is used to communicate the effective date for a requested change in the following circumstances: <ul style="list-style-type: none"> <li>Utility Request – required for non-DTM segments</li> <li>Utility Response – may be sent to establish the effective date of an <del>E/MESCO</del> requested change</li> <li><del>E/MESCO</del> Requests sent to communicate a change in mailing address (required for Single Retailer Model)</li> <li><del>E/MESCO</del> Requests to change the <del>E/MESCO</del> Commodity Price (AMT*RJ), <del>E/MESCO</del> Fixed Charge (AMT*FW), or <del>E/MESCO</del> Rate Code (REF*RB) when the Utility is the Bill Presenter and Bill Calculator and has agreed to process rate or price changes mid-cycle.</li> </ul> </li> </ul>
Data Element Attributes	<ul style="list-style-type: none"> <li>Data elements whose X12 attribute type is ‘R’ (for example AMT02 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.</li> </ul>
Single Retailer Model	<ul style="list-style-type: none"> <li>There are some differences in the required segments for a Change Request and/or Response where the Single Retailer Model has been implemented for Retail Access. These differences have been noted in the notes and gray box text in the individual data segments in this Implementation Guide as well as the corresponding data dictionary.</li> </ul>
Conditional Data Segments	<ul style="list-style-type: none"> <li>There are minor differences in the extent to which specific data elements are supported by each Utility and/or whether they are applicable to both electric and gas services. These differences have been noted, for the most part, in the data dictionary associated with this implementation guide.</li> </ul>
Definitions	<ul style="list-style-type: none"> <li>The term Utility 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 <del>ESCO/Marketer (E/M (ESCO))</del> is used in this document to refer to either a gas or electric supplier.</li> </ul>
Companion Documents	<ul style="list-style-type: none"> <li>All of the applicable business rules for New York are not necessarily documented in this implementation guide. Accordingly, the Account Change Business Process document and/or the 814 Change Data Dictionary should be reviewed where further clarification is needed.</li> <li>In addition, further information on the Change data elements can be found in the Implementation Guide for the 814 Enrollment Request &amp; Response.</li> </ul>



## Implementation Guideline Field Descriptions

**Segment:** **REF** Reference Identification (Utility Customer Account Number)  
**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.
- 2 If either C04003 or C04004 is present, then the other is required.
- 3 If either C04005 or C04006 is present, then the other is required.

**Semantic Notes:**

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

**Comments:**

This section shows the X12 Rules for this segment but the Usage and Max Use fields will also reflect NY rules. For Usage, "Optional (Must Use)" means that this segment is Optional for X12, but is required in NY. "Optional (Dependent)" means Optional for X12, but use is conditional in NY. The grayboxes below should also be reviewed for additional NY Rules.

**Notes:** Required

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

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

One or more examples.

11231287654398

One or more examples.

### Data Element Summary

	Ref Des.	Data Element	Name	X12 Attributes
Mand.	REF01	128	Reference Identification Qualifier 12 Billing Account REF02 contains the Utility-assigned account number for the customer.	M ID 2/3
Must Use	REF02	127	Reference Identification Utility assigned customer account number The utility account number must be supplied. Non-alphanumeric characters. (Characters on a bill, for example, should be removed)	AN 1/30

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

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

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

# 814 Change (Account Maintenance)

Functional Group ID=**GE**

## Introduction:

This Draft Standard for Trial Use contains the format and establishes the data contents of the Account Maintenance Transaction Set (814) for use within the context of an Electronic Data Interchange (EDI) environment.

## Notes:

This guideline is limited to defining various account maintenance information that may be exchanged between trading partners.

## Heading:

Page No.	Pos. No.	Seg. ID	Name	Req. Des.	Max.Use	Loop Repeat	Notes and Comments
<u>109</u>	010	ST	Transaction Set Header	M	1		
<u>1140</u>	020	BGN	Beginning Segment	M	1		
			LOOP ID - N1			1	
<u>1244</u>	040	N1	Name (ESCO/ <del>Marketer</del> )	O	1		
			LOOP ID - N1			1	
<u>1342</u>	040	N1	Name (Utility)	O	1		
			LOOP ID - N1			1	
<u>1443</u>	040	N1	Name (Customer)	O	1		
<u>1544</u>	060	N3	Address Information (Service Address)	O	1		
<u>1645</u>	070	N4	Geographic Location (Service Address)	O	1		
<u>1746</u>	080	PER	Administrative Communications Contact (Customer Phone Number)	O	1		
			LOOP ID - N1			1	
<u>1847</u>	040	N1	Name (Name for Mailing)	O	1		
<u>1948</u>	060	N3	Address Information (Mailing Address)	O	1		
<u>2049</u>	070	N4	Geographic Location (Mailing Address)	O	1		
<u>2220</u>	080	PER	Administrative Communications Contact (Customer Phone Number)	O	1		

## Detail:

Page No.	Pos. No.	Seg. ID	Name	Req. Des.	Max.Use	Loop Repeat	Notes and Comments
			LOOP ID - LIN			>1	
<u>2324</u>	010	LIN	Item Identification	O	1		
<u>2422</u>	020	ASI	Action or Status Indicator	O	1		
<u>2523</u>	030	REF	Reference Identification (Reject Response Reasons)	O	1		
<u>2624</u>	030	REF	Reference Identification (Reason for Change - Account Level)	O	1		
<u>2825</u>	030	REF	Reference Identification (ESCO/ <del>Marketer</del> Customer Account Number)	O	1		
<u>2927</u>	030	REF	Reference Identification (Utility Account Number)	O	1		
<u>3028</u>	030	REF	Reference Identification (Previous Utility Account Number)	O	1		
<u>3129</u>	030	REF	Reference Identification (Utility Account Number for ESCO/ <del>Marketer</del> )	O	1		
<u>3230</u>	030	REF	Reference Identification (Meter Cycle Code)	O	1		
<u>3334</u>	030	REF	Reference Identification (Bill Cycle Code)	O	1		
<u>3432</u>	030	REF	Reference Identification (Bill Presenter )	O	1		
<u>3533</u>	030	REF	Reference Identification (Bill Calculator)	O	1		



NY 814 Change (Account Maintenance)					
<del>3634</del>	030	REF	Reference Identification (Current Budget Billing Status)	O	1
<del>3735</del>	030	REF	Reference Identification ( <del>E/MESCO</del> Late Fees)	O	1
<del>3836</del>	030	REF	Reference Identification (Partial Participation Portion)	O	1
<del>3937</del>	030	REF	Reference Identification (Customer on Life Support)	O	1
<del>4038</del>	030	REF	Reference Identification (Gas Pool ID)	O	1
<del>4139</del>	030	REF	Reference Identification (Gas Capacity Assignment/Obligation)	O	1
<del>4240</del>	030	REF	Reference Identification (ISO Location Based Marginal Pricing Zones)	O	1
<del>4341</del>	030	REF	Reference Identification (Portion Taxed Residential)	O	1
<del>42</del>	<del>030</del>	<del>REF</del>	<del>Reference Identification (Account Settlement Indicator)</del>	<del>O</del>	<del>1</del>
<del>43</del>	<del>030</del>	<del>REF</del>	<del>Reference Identification (NYPADiscount Indicator)</del>	<del>O</del>	<del>1</del>
<del>44</del>	<del>030</del>	<del>REF</del>	<del>Reference Identification (Utility Discount Indicator)</del>	<del>O</del>	<del>1</del>
<del>45</del>	<del>030</del>	<del>REF</del>	<del>Reference Identification (Industrial Classification Code)</del>	<del>O</del>	<del>1</del>
<del>46</del>	<del>030</del>	<del>REF</del>	<del>Reference Identification (Tax Exempt Status)</del>	<del>O</del>	<del>1</del>
<del>4247</del>	040	DTM	Date/Time Reference (Effective Date of Change)	O	1
<del>4348</del>	040	DTM	Date/Time Reference (Assigned Service Start Date)	O	1
<del>4449</del>	040	DTM	Date/Time Reference (Assigned Service End Date)	O	1
<del>50</del>	<del>040</del>	<del>DTM</del>	<del>Date/Time Reference (ICAP Effective Date)</del>	<del>O</del>	<del>1</del>
<del>4550</del>	060	AMT	Monetary Amount ( <del>E/MESCO</del> Budget Plan Installment Amount)	O	1
<del>4651</del>	060	AMT	Monetary Amount (Tax Exemption Percent)	O	1
<del>4752</del>	060	AMT	Monetary Amount ( <del>E/MESCO</del> Commodity Price)	O	1
<del>4853</del>	060	AMT	Monetary Amount ( <del>E/MESCO</del> Fixed Charge)	O	1
<del>4954</del>	060	AMT	Monetary Amount ( <del>E/MESCO</del> Customer's Tax Rate for Charges -1)	O	1
<del>5055</del>	060	AMT	Monetary Amount ( <del>E/MESCO</del> Customer's Tax Rate for Charges -2)	O	1
<del>5156</del>	060	AMT	Monetary Amount ( <del>Electric Capacity Assignment</del> ICAP)	O	1
LOOP ID - NM1					>1
<del>5258</del>	080	NM1	Metered or UnMetered Service Points	O	1
<del>5460</del>	130	REF	Reference Identification (Reason for Change - Meter Level)	O	>1
<del>5561</del>	130	REF	Reference Identification (Old Meter Number)	O	1
<del>5662</del>	130	REF	Reference Identification (Utility Rate Service Class)	O	1
<del>5763</del>	130	REF	Reference Identification (Utility Rate Sub Class)	O	1
<del>5864</del>	130	REF	Reference Identification (Utility Load Profile Group Code)	O	1
<del>5965</del>	130	REF	Reference Identification (Measurement Type and Reporting Interval)	O	1
<del>6167</del>	130	REF	Reference Identification (Use Time of Day)	O	>1
<del>6369</del>	130	REF	Reference Identification ( <del>E/MESCO</del> Rate Code)	O	1
<del>6470</del>	150	SE	Transaction Set Trailer	M	1
E-1	Examples				

#### Transaction Set Notes:

1. The N1 loop is used to identify the parties to this transaction.
2. The LIN loop is used to transmit account level data.
3. The NM1 loop is used to transmit meter level data.

<b>Segment:</b>	<b>ST</b> Transaction Set Header
<b>Position:</b>	010
<b>Loop:</b>	
<b>Level:</b>	Heading
<b>Usage:</b>	Mandatory
<b>Max Use:</b>	1
<b>Purpose:</b>	To indicate the start of a transaction set and to assign a control number
<b>Syntax Notes:</b>	
<b>Semantic Notes:</b>	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).
<b>Notes:</b>	Request: Required Response: Required ST~814~0001

#### Data Element Summary

	<u>Ref.</u> <u>Des.</u>	<u>Data</u> <u>Element</u>	<u>Name</u>	<u>Attributes</u>
Mand.	ST01	143	Transaction Set Identifier Code 814 General Request, Response or Confirmation	M ID 3/3
Mand.	ST02	329	Transaction Set Control Number Identifying control number assigned by the originator of a transaction set. This identifier must be unique for each transaction set within a functional group.	M AN 4/9

**Segment:** **BGN** Beginning Segment  
**Position:** 020  
**Loop:**  
**Level:** Heading  
**Usage:** Mandatory  
**Max Use:** 1  
**Purpose:** To indicate the beginning of a transaction set  
**Syntax Notes:** 1 If BGN05 is present, then BGN04 is required.  
**Semantic Notes:** 1 BGN02 is the transaction set reference number.  
 2 BGN03 is the transaction set date.  
 3 BGN04 is the transaction set time.  
 4 BGN05 is the transaction set time qualifier.  
 5 BGN06 is the transaction set reference number of a previously sent transaction affected by the current transaction.

**Notes:** Request: Required  
 Response: Required

Request: BGN~13~20000301145101~20060917  
 Response: BGN~11~20000402072434~20060919~~~20000301145101

#### Data Element Summary

	Ref.	Data			
	<u>Des.</u>	<u>Element</u>	<u>Name</u>		<u>Attributes</u>
Mand.	BGN01	353	Transaction Set Purpose Code		M ID 2/2
			11 Response		
			13 Request		
Mand.	BGN02	127	Reference Identification		M AN 1/30
			A unique transaction identifier number assigned by the originator of this transaction.		
			The BGN02 element from a Request transaction is placed in the BGN06 element in the corresponding Response transaction(s) sent in response to the Request transaction.		
Mand.	BGN03	373	Date		M DT 8/8
			The date the transaction was created by the sender's applications system in the form CCYYMMDD.		
Cond.	BGN06	127	Reference Identification		O AN 1/30
			Refers to the BGN02 identification number of the original Request. This element is "Not Used" on Request transactions but is "Required" on Response transactions.		

**Segment:** N1 Name (ESCO/~~Marketer~~)  
**Position:** 040  
**Loop:** N1 Optional (Must Use)  
**Level:** Heading  
**Usage:** Optional (Must Use)  
**Max Use:** 1  
**Purpose:** To identify a party by type of organization, name, and code  
**Syntax Notes:** 1 At least one of N102 or N103 is required.  
2 If either N103 or N104 is present, then the other is required.

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

Request: Required  
Response: Required  
N1~SJ~~24~123456789  
N1~SJ~ESCO/~~MARKETER~~ NAME~24~123456789

**Data Element Summary**

	Ref. Des.	Data Element	Name	Attributes
Mand.	N101	98	Entity Identifier Code SJ Service Provider Identifies name and address information as pertaining to a service provider for which billing is being rendered Identifies the ESCO/ <del>Marketer</del> participating in this transaction.	M ID 2/3
Optional	N102	93	Name Free Form ESCO/ <del>Marketer</del> Company Name Supplemental text information supplied, if desired, to provide "eyeball" identification of the ESCO/ <del>Marketer</del> . It is not necessary for successful completion of the transaction but may be provided by mutual agreement between trading partners.	X AN 1/60
Must Use	N103	66	Identification Code Qualifier 1 D-U-N-S Number, Dun & Bradstreet 9 D-U-N-S+4, D-U-N-S Number with Four Character Suffix 24 Employer's Identification Number Federal Tax ID	X ID 1/2
Must Use	N104	67	Identification Code The D-U-N-S number or the Federal Tax ID	X AN 2/80

**Segment:** **N1** Name (Utility)  
**Position:** 040  
**Loop:** N1 Optional (Must Use)  
**Level:** Heading  
**Usage:** Optional (Must Use)  
**Max Use:** 1  
**Purpose:** To identify a party by type of organization, name, and code  
**Syntax Notes:** 1 At least one of N102 or N103 is required.  
 2 If either N103 or N104 is present, then the other is required.

**Semantic Notes:**  
**Notes:** Request: Required  
 Response: Required  
 N1~8S~~24~012345678  
 N1~8S~UTILITY COMPANY~24~912345678

Data Element Summary				
	Ref. Des.	Data Element	Name	Attributes
Mand.	N101	98	Entity Identifier Code 8S Consumer Service Provider (CSP) Identifies the Utility participating in this transaction.	M ID 2/3
Optional	N102	93	Name Free Form Utility Company Name Supplemental text information that may be supplied to provide "eyeball" identification of the Utility. It is not necessary for successful completion of the transaction but may be provided by mutual agreement between trading partners.	X AN 1/60
Must Use	N103	66	Identification Code Qualifier 1 D-U-N-S Number, Dun & Bradstreet 9 D-U-N-S+4, D-U-N-S Number with Four Character Suffix 24 Employer's Identification Number Federal Tax ID	X ID 1/2
Must Use	N104	67	Identification Code The D-U-N-S number or Federal Tax ID	X AN 2/80

<b>Segment:</b>	<b>N1</b> Name (Customer)
<b>Position:</b>	040
<b>Loop:</b>	N1 Optional (Dependent)
<b>Level:</b>	Heading
<b>Usage:</b>	Optional (Dependent)
<b>Max Use:</b>	1
<b>Purpose:</b>	To identify the customer in this transaction.
<b>Syntax Notes:</b>	<b>1</b> At least one of N102 or N103 is required. <b>2</b> If either N103 or N104 is present, then the other is required.
<b>Semantic Notes:</b>	
<b>Notes:</b>	Request: Conditional Response: Not Used  This segment must be sent in a Request when a change in the customer name associated with the account (Utility or <del>E/MESCO</del> ) or service address (Utility) or customer telephone number (Utility or <del>E/MESCO</del> ) is being reported.  N1~8R~NAME N1~8R~JOHN SMITH N1~8R~DAIMLER-BENZ NA CORP

#### Data Element Summary

	<u>Ref.</u> <u>Des.</u>	<u>Data</u> <u>Element</u>	<u>Name</u>	<u>Attributes</u>
Mand.	N101	98	Entity Identifier Code 8R	M ID 2/3 Consumer Service Provider (CSP) Customer Identify the end use customer targeted by this transaction.
Mand.	N102	93	Name	M AN 1/60 The new customer name or the literal "NAME".  When a change in service address is being sent, an N1 segment (in addition to the N3 and N4 segments) is required. For address changes the N102 element may contain the actual customer name or the literal 'NAME'.

**Segment:** **N3** **Address Information (Service Address)**  
**Position:** 060  
**Loop:** N1 Optional (Dependent)  
**Level:** Heading  
**Usage:** Optional (Dependent)  
**Max Use:** 1  
**Purpose:** To specify the location of the named party  
**Syntax Notes:**  
**Semantic Notes:**  
**Notes:**

Utility Request : Conditional  
 Responses: Not Used

The N3 and N4 segments within the N1\*8R loop are sent when the Utility is reporting a change in service address and must be accompanied by an N1\*8R segment.

N3~375 PARK AVE

N3~OUTDOOR - PETER COOPER VILLAGE CORNER OF EAST 20TH & FI~RST AVENUE

#### Data Element Summary

	<u>Ref.</u> <u>Des.</u>	<u>Data</u> <u>Element</u>	<u>Name</u>	<u>Attributes</u>
Mand.	N301	166	Address Information	M AN 1/55
			Customer Service Address	
Cond.	N302	166	Address Information	O AN 1/55
			Service address overflow	

**Segment:** **N4** Geographic Location (Service Address)  
**Position:** 070  
**Loop:** N1 Optional (Dependent)  
**Level:** Heading  
**Usage:** Optional (Dependent)  
**Max Use:** 1  
**Purpose:** To specify the geographic place of the named party  
**Syntax Notes:** 1 If N406 is present, then N405 is required.  
**Semantic Notes:**  
**Notes:**

Utility Request: Conditional  
 Responses: Not Used

~~The N3 and N4 segments within the N1\*8R loop are sent when the Utility is reporting a change in service address and must be accompanied by an N1\*8R segment.~~

N4~NY~NY~10152  
 N4~MYCITY~NY~19123  
 N4~MYCITY~NY~191230123

#### Data Element Summary

	Ref.	Data		
	<u>Des.</u>	<u>Element</u>	<u>Name</u>	<u>Attributes</u>
Must Use	N401	19	City Name	O AN 2/30
Must Use	N402	156	State or Province Code	O ID 2/2
			<del>Code (Standard State/Province) as defined by appropriate government agency.</del>	
Must Use	N403	116	Postal Code	O ID 3/15
			<del>Code defining international postal zone code excluding punctuation and blanks (zip code for United States)</del>	



**Segment:** **PER** Administrative Communications Contact (Customer Phone Number)  
**Position:** 080  
**Loop:** N1 Optional (Dependent)  
**Level:** Heading  
**Usage:** Optional (Dependent)  
**Max Use:** 1  
**Purpose:** To identify a person or office to whom administrative communications should be directed  
**Syntax Notes:** 1 If either PER03 or PER04 is present, then the other is required.  
 2 If either PER05 or PER06 is present, then the other is required.  
 3 If either PER07 or PER08 is present, then the other is required.

**Semantic Notes:**

**Notes:** Requests: Conditional  
 Responses: Not Used

This segment may be sent by the utility to provide the ~~customers~~customer's telephone number when a number was unavailable at the time an enrollment request was processed or to correct a telephone number previously sent in an Enrollment Accept Response transaction. This segment may be sent by an ~~E~~AMESCO to provide the correct telephone number when the telephone number previously provided in an Enrollment Response has been determined to be incorrect. This segment is sent in an N1 (Customer) Loop and must be accompanied by an N1\*8R segment.

If a change is made to this segment the PERIC code is transmitted in the REF\*TD segment at position 030.

PER~IC~~TE~8456756271

**Data Element Summary**

	Ref. Des.	Data Element	Name	Attributes
Mand.	PER01	366	Contact Function Code	M ID 2/2
			IC Information Contact	
Must Use	PER03	365	Communication Number Qualifier	X ID 2/2
			TE Telephone	
			Contact telephone number for the customer associated with this account.	
Must Use	PER04	364	Communication Number	X AN 1/80
			Customer's telephone number in the format xxxyyyzzzz (Area code+7 digit number).	

**Segment:** **N1** Name (Name for Mailing)  
**Position:** 040  
**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.  
**2** If either N103 or N104 is present, then the other is required.

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

Request : Conditional  
Response: Not Used

This segment must be sent by either the Utility or the **EMESCO** when the customer receives a consolidated bill and the name associated with the mailing address for billing and/or the mailing address or customer's telephone number changes.

N1~BT~Daimler-Benz C/O Siegfried Schwung  
N1~BT~Robert J. McDonald DBA Tiny Tots  
N1~BT~Ben Jones, Mgr. Store 16

#### Data Element Summary

	Ref. Des.	Data Element	Name	Attributes
Mand.	N101	98	Entity Identifier Code BT Bill-to-Party Name for Mailing Address	M ID 2/3
Mand.	N102	93	Name Name associated with the mailing address for billing. This N1 segment must be sent to report a change in the name associated with the mailing address for billing. This segment must also be sent when reporting a change in the address for billing (the N3/N4 segments) and/or a change in the <del>customers</del> customer's telephone number (the PER segment). When a change is being requested in either mailing address or telephone number, this element may contain the literal "NAME".	M AN 1/60

**Segment:** **N3** Address Information (Mailing Address)  
**Position:** 060  
**Loop:** N1 Optional (Dependent)  
**Level:** Heading  
**Usage:** Optional (Dependent)  
**Max Use:** 1  
**Purpose:** To specify the location of the named party  
**Syntax Notes:**  
**Semantic Notes:**  
**Notes:**

Request: Conditional  
Responses: Not Used

This segment must be sent by the Utility or ~~EAMESCO~~ when a change in mailing address for billing occurs and the customer receives a consolidated bill. This segment must be accompanied by an N1\*BT segment.

For NFG, the N301 and N302 elements may contain the street address, City Name, State and postal code when the mailing address is located outside their service territory (for either domestic or foreign addresses).

N3~Epplestrasse 225 70567  
N3~123 N Main St~Room 323  
N3~One Parklane Blvd 911 East Dearborn MI 48126  
N3~107 980 West 1st St North Vancouver British Columbia Ca~nada

#### Data Element Summary

	Ref. Des.	Data Element	Name	Attributes
Mand.	N301	166	Address Information Mailing Address for Billing	M AN 1/55
Cond.	N302	166	Address Information Mailing Address for Billing Overflow	O AN 1/55

**Segment:** **N4 Geographic Location (Mailing Address)**  
**Position:** 070  
**Loop:** N1 Optional (Dependent)  
**Level:** Heading  
**Usage:** Optional (Dependent)  
**Max Use:** 1  
**Purpose:** To specify the geographic place of the named party  
**Syntax Notes:** 1 If N406 is present, then N405 is required.  
**Semantic Notes:**  
**Notes:**

Request: Conditional  
Response: Not used

This segment must be sent in conjunction with N1\*BT and N3 (Mailing Address) when the mailing address for billing changes and the customer receives a consolidated bill. This segment must be accompanied by an N1\*BT segment.

N4~Stuttgart Germany 011-49-711-17-0  
 N4~FOREIGN ADDRESS  
 N4~MYCITY~NY~19123  
 N4~North Vancouver BC Canada  
 N4~Dearborn~MI~48126

#### Data Element Summary

Ref. Des.	Data Element	Name	Attributes
Must Use	N401	19 City Name	O AN 2/30
		Domestic addresses: <del>Except for NFG, this</del> This field will contain the City Name. <del>NFG will</del> Alternatively, a utility may populate this field with a City Name <u>only</u> when the City is located within their service territory. <del>If provided that if</del> the City is outside <del>their</del> its service territory, the City Name, State and postal code will be sent in the N3 segment and the N401 will contain the literal "Outside Service Territory". Foreign addresses (other than Canada): The Country Code will not be sent in the N404 element. <del>Niagara Mohawk, RG&amp;E, and O&amp;R</del> In its Utility Maintains EDI Guide, a utility will <u>specify the way it will</u> populate this field with: <ul style="list-style-type: none"> <li><del>City Name and Country Name and transmit postal codes in the N403 element. NFG will populate this field with the</del></li> <li><del>The</del> literal "Foreign Address" and transmit the address in the N3 segment. <del>Con Edison, NYSEG and Keyspan will send the</del></li> <li><del>The</del> City Name, Country Name and postal code in this element (up to 30 characters). <del>Central Hudson will send only</del></li> <li><del>The</del> City Name and Country Name <del>in this element.</del></li> </ul>	
Cond.	N402	156 State or Province Code	O ID 2/2
		Code (Standard State/Province) as defined by appropriate government agency. <del>Niagara Mohawk, RG&amp;E and NYSEG will</del> A utility may elect to populate this element with: <ul style="list-style-type: none"> <li><del>State codes. NFG can populate this element with state</del></li> <li><del>State</del> codes within their service territory, i.e. NY or PA. <del>This</del> Otherwise, <del>this</del> element will not be sent by other Utilities.</li> </ul>	
Cond.	N403	116 Postal Code	O ID 3/15
		<del>Code defining international postal zone code excluding punctuation and blanks (zip code for United States)</del> <del>Most</del> Code defining international postal zone code excluding punctuation and blanks (zip code for United States). Utilities will populate this element only with US zip code information, <del>except for Niagara Mohawk who will unless a utility elects to</del> populate this element with: <ul style="list-style-type: none"> <li><del>US zip codes and Canadian or other foreign postal codes. NFG will populate this element with</del></li> <li><del>US zip code information only when the mailing address is located</del></li> </ul>	

within their service territory.

PROPOSED

**Segment:** **PER** Administrative Communications Contact (Customer Phone Number)  
**Position:** 080  
**Loop:** N1 Optional (Dependent)  
**Level:** Heading  
**Usage:** Optional (Dependent)  
**Max Use:** 1  
**Purpose:** To identify a person or office to whom administrative communications should be directed  
**Syntax Notes:** 1 If either PER03 or PER04 is present, then the other is required.  
 2 If either PER05 or PER06 is present, then the other is required.  
 3 If either PER07 or PER08 is present, then the other is required.

**Semantic Notes:**

**Notes:**

Utility request: Not Used  
~~E/M~~ESCO response: Not Applicable

~~E/M~~ESCO request: Conditional  
 Utility response: Not Used

This segment should be sent when the ~~E/M~~ESCO becomes aware of a change in the customer's telephone number coincident with a change in mailing address. This segment is sent in the N1 Name (Name for Mailing) Loop and must be accompanied by an N1\*BT segment.

If a change is made to this segment the PERIC code is transmitted in the REF\*TD segment at position 030.

PER~IC~~TE~7166756271

**Data Element Summary**

	Ref. Des.	Data Element	Name	Attributes
Mand.	PER01	366	Contact Function Code	M ID 2/2
			IC Information Contact	
Must Use	PER03	365	Communication Number Qualifier	X ID 2/2
			TE Telephone	
			Contact telephone number for the customer associated with this account.	
Must Use	PER04	364	Communication Number	X AN 1/80
			Customer's telephone number in the format xxxyyyzzzz (Area code+7 digit number).	

**Segment:** **LIN** **Item Identification**  
**Position:** 010  
**Loop:** LIN Optional (Must Use)  
**Level:** Detail  
**Usage:** Optional (Must Use)  
**Max Use:** 1  
**Purpose:** To specify basic item identification data  
**Syntax Notes:** 1 If either LIN04 or LIN05 is present, then the other is required.  
2 If either LIN06 or LIN07 is present, then the other is required.  
3 If either LIN08 or LIN09 is present, then the other is required.  
4 If either LIN10 or LIN11 is present, then the other is required.  
5 If either LIN12 or LIN13 is present, then the other is required.  
6 If either LIN14 or LIN15 is present, then the other is required.  
7 If either LIN16 or LIN17 is present, then the other is required.  
8 If either LIN18 or LIN19 is present, then the other is required.  
9 If either LIN20 or LIN21 is present, then the other is required.  
10 If either LIN22 or LIN23 is present, then the other is required.  
11 If either LIN24 or LIN25 is present, then the other is required.  
12 If either LIN26 or LIN27 is present, then the other is required.  
13 If either LIN28 or LIN29 is present, then the other is required.  
14 If either LIN30 or LIN31 is present, then the other is required.

**Semantic Notes:** 1 LIN01 is the line item identification

**Notes:** Request : Required  
Response: Required

Each change at the Account Level must be sent in a separate LIN Loop.

The LIN03 specifies the product (electric or gas) and the LIN05 specifies the action event.

LIN~AACCCDD0102004A~SH~EL~SH~CE This change pertains to electric service

#### Data Element Summary

Ref.	Data	Name	Attributes
Des.	Element		
Must Use	LIN01	350 Assigned Identification	O AN 1/20
		The identifier supplied in this element either by itself or in conjunction with the BGN02 element from the BGN segment must uniquely identify each LIN request item over time.	
		The LIN01 identifier sent in a Request transaction must be returned in the transaction containing the response to that request (see examples).	
Mand.	LIN02	235 Product/Service ID Qualifier	M ID 2/2
		SH Service Requested	
		A numeric or alphanumeric code from a list of services available to the customer	
Mand.	LIN03	234 Product/Service ID	M AN 1/48
		Commodity - there may be only one commodity (Electric or Gas) for each 814 transaction.	
		EL	
		GAS	
Mand.	LIN04	235 Product/Service ID Qualifier	M ID 2/2
		SH Service Requested	
		A numeric or alphanumeric code from a list of services available to the customer	
Mand.	LIN05	234 Product/Service ID	M AN 1/48
		CE Customer Enrollment	
		Request for change in customer account information.	

**Segment:** **ASI** Action or Status Indicator  
**Position:** 020  
**Loop:** LIN Optional (Must Use)  
**Level:** Detail  
**Usage:** Optional (Must Use)  
**Max Use:** 1  
**Purpose:** To indicate the action to be taken with the information provided or the status of the entity described

**Syntax Notes:**  
**Semantic Notes:**  
**Notes:**

Request: Required  
Response: Required  
ASI~7~001 Request for change  
ASI~WQ~001 Accept Response for request for change  
ASI~U~001 Reject Response to a request for change

#### Data Element Summary

	<u>Ref.</u> <u>Des.</u>	<u>Data</u> <u>Element</u>	<u>Name</u>	<u>Attributes</u>
Mand.	ASI01	306	Action Code 7 U	M ID 1/2
			Request Reject Inability to accept for processing due to the lack of required information	
Mand.	ASI02	875	WQ Maintenance Type Code 001	M ID 3/3
			Accept Change	



<b>Segment:</b>	<b>REF</b> Reference Identification (Reject Response Reasons)
<b>Position:</b>	030
<b>Loop:</b>	LIN Optional (Must Use)
<b>Level:</b>	Detail
<b>Usage:</b>	Optional (Dependent)
<b>Max Use:</b>	1
<b>Purpose:</b>	To specify identifying information
<b>Syntax Notes:</b>	<b>1</b> At least one of REF02 or REF03 is required. <b>2</b> If either C04003 or C04004 is present, then the other is required. <b>3</b> If either C04005 or C04006 is present, then the other is required.
<b>Semantic Notes:</b>	<b>1</b> REF04 contains data relating to the value cited in REF02.
<b>Notes:</b>	Request: Not used Reject Response: Required Other Responses: Not Used  This segment is required when the transaction is a Response transaction (BGN01=11) and the action or status is Reject (ASI01=U) in order to describe the reason that a change request has been rejected. REF~7G~C11

#### Data Element Summary

	<u>Ref.</u> <u>Des.</u>	<u>Data</u> <u>Element</u>	<u>Name</u>	<u>Attributes</u>
<b>Mand.</b>	<b>REF01</b>	<b>128</b>	<b>Reference Identification Qualifier</b> 7G Data Quality Reject Reason Reject reasons associated with a reject status notification.	<b>M ID 2/3</b>
<b>Must Use</b>	<b>REF02</b>	<b>127</b>	<b>Reference Identification</b> A13 Other (REF03 required) A76 Account not found (this includes inactive account numbers as well as no account number found) A91 Account does not have service requested API Required information missing (REF03 Required) C11 Change reason (REF*TD) missing or invalid FRB Incorrect billing option (REF*BLT) requested FRC Incorrect bill calculation type (REF*PC) requested M76 Meter Number Invalid or Not Found W05 Requested rate not found	<b>X AN 1/30</b>
<b>Cond.</b>	<b>REF03</b>	<b>352</b>	<b>Description</b> Used to provide explanatory text for an A13 or API reject code.	<b>X AN 1/80</b>

<b>Segment:</b>	<b>REF</b> Reference Identification (Reason for Change - Account Level)
<b>Position:</b>	030
<b>Loop:</b>	LIN Optional (Must Use)
<b>Level:</b>	Detail
<b>Usage:</b>	Optional (Dependent)
<b>Max Use:</b>	≥1
<b>Purpose:</b>	To specify identifying information
<b>Syntax Notes:</b>	<ol style="list-style-type: none"> <li>1 At least one of REF02 or REF03 is required.</li> <li>2 If either C04003 or C04004 is present, then the other is required.</li> <li>3 If either C04005 or C04006 is present, then the other is required.</li> </ol>
<b>Semantic Notes:</b>	<ol style="list-style-type: none"> <li>1 REF04 contains data relating to the value cited in REF02.</li> </ol>
<b>Notes:</b>	Request: Conditional Response: Optional  This segment is used to identify the data segment(s) sent at the account level that are being changed. See page 48 of this Implementation Guide for a description of the codes used to identify a change in the data segment(s) sent at the meter level. REF~TD~N18R

## Data Element Summary

	<u>Ref.</u> <u>Des.</u>	<u>Data</u> <u>Element</u>	<u>Name</u>	<u>Attributes</u>
Mand.	REF01	128	Reference Identification Qualifier TD	M ID 2/3
Must Use	REF02	127	Reference Identification AMT9M	X AN 1/30
			Change Customers' Tax Rate 1	
			Utility Rate Ready Consolidated Billing Only. Used to report a change in the <del>customers</del> customer's tax rate when the utility is calculating ESCO charges. The 9M code should also be used to report a change in the residential tax rate applicable to a portion of the service -(i.e. a REF*RP was present in the Enrollment transaction) when URR billing is in effect. The AMT9N code should be used to report a change in the portion of the account taxed at a commercial rate.	
			AMT9N	
			Change Customers' Tax Rate 2	
			Utility Rate Ready Consolidated Billing Only. This code should only be used to report a change in the <del>customers</del> customer's tax rate applicable to the portion of the service taxed at a commercial rate in instances when part of the service is taxed at a residential rate and the balance at a commercial rate (i.e. REF*RP was present in the Enrollment transaction). The AMT9M code should be used to report a change in the residential tax rate on that account.	
			AMTB5	
			Change <del>E/MESCO</del> Budget Plan Installment Amount	
			National Fuel Gas Only. Supported only if indicated within a utility's Utility Maintained EDI Guide.	
			AMTBD	
			Change <del>E/MESCO</del> Budget Plan Balance	
			National Fuel Gas Only. Supported only if indicated within a utility's Utility Maintained EDI Guide.	
			AMTDP	
			Change Percentage of Service Tax Exempt	
			AMTFW	
			Change <del>E/MESCO</del> Fixed Charge	
			AMTKZ	
			Change <del>Transmission Obligation</del> ICAP	
			ELECTRIC Service Only. Used by O&R to report a change in customer's electric capacity assignment.	
			AMTRJ	
			Change <del>E/MESCO</del> Commodity Price	
			DTM007	
			Change Effective Date	
			DTM150	
			Change Service Period Start Date	

DTM151	Enrollment is pending. This code is used by the Utility to report a change in the Assigned Service Start Date. Change Service Period End Date
<del>A Drop is pending. This code is used by the Utility to report a change in the Assigned Service End Date.</del>	
N18R	Change Name or Service Address Use this code when the name on the account is being changed and/or a change of service address is being reported.
N1BT	Change Name for Mailing or Mailing Address Use this code when the name for mailing and/or the mailing address is being changed.
PERIC	Change Information Contact Information Use this code when reporting a change in the Customer's Telephone Number in an N1 (Customer) or N1 (Name for Mailing) Loop.
REF11	Change <del>E/MESCO</del> Customer Account Number
REF12	Change Utility Account Number
REF65	Change Meter Read Cycle
REFBF	Change Bill Cycle
REFBLT	Change Billing Type (Bill Presenter)
REFGC	Change Gas Capacity Assignment/Obligation GAS Service Only
<del>REFII</del>	<del>Change Industrial Classification Code</del>
<del>REFLF</del>	<del>Change <del>E/MESCO</del> Late Fee Policy</del> <del>National Fuel Gas Only. Supported only if indicated within a utility's Utility Maintained EDI Guide.</del>
REFNR	Change Current Budget Billing Status
REFPC	Change Party that Calculates the Bill (Bill Calculator)
REFPGC	Change Partial Participation Portion
REFRP	Change Portion Taxed Residential
<del>REFSG</del>	<del>Change Utility Discount Indicator</del>
REFSPL	Change ISO LBMP Zone ELECTRIC Service Only
REFSU	Change Special Processing Code Use this code to report a change in the Customer's Life Support status (Single Retailer Model)
<del>REFTDT</del>	<del>Change Account Settlement Indicator</del>
<del>REFTX</del>	<del>Change Utility Tax Exempt Status</del>
REFVI	Change Gas Pool ID GAS Service Only

**REF****Reference Identification (ESCO/~~Marketer~~ Customer Account Number)****Position:**

030

**Loop:**

LIN 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.
- 2 If either C04003 or C04004 is present, then the other is required.
- 3 If either C04005 or C04006 is present, then the other is required.

**Semantic Notes:**

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

**Notes:**

Utility Request: Not Used

~~E/MESCO~~ Response: Not Applicable~~E/MESCO~~ Request: Conditional

Utility Response: Conditional

This segment is sent by the ~~E/MESCO~~ when the Utility is the bill presenter and the ~~E/MESCO~~ account number for the customer is being changed. This segment may be returned in a response transaction at the discretion of the utility.  
REF~11~A12345009Z

**Data Element Summary**

	<u>Ref.</u> <u>Des.</u>	<u>Data</u> <u>Element</u>	<u>Name</u>	<u>Attributes</u>
Mand.	REF01	128	Reference Identification Qualifier	M ID 2/3
			11 Account Number Number identifies a telecommunications industry account REF02 is the ESCO/ <del>Marketer</del> Assigned account number for the customer.	
Must Use	REF02	127	Reference Identification	X AN 1/30
			ESCO Marketer's assigned account number for the customer.	

<b>Segment:</b>	<b>REF</b> Reference Identification (Utility Account Number)
<b>Position:</b>	030
<b>Loop:</b>	LIN Optional (Must Use)
<b>Level:</b>	Detail
<b>Usage:</b>	Optional (Must Use)
<b>Max Use:</b>	1
<b>Purpose:</b>	To specify identifying information
<b>Syntax Notes:</b>	<ol style="list-style-type: none"> <li>1 At least one of REF02 or REF03 is required.</li> <li>2 If either C04003 or C04004 is present, then the other is required.</li> <li>3 If either C04005 or C04006 is present, then the other is required.</li> </ol>
<b>Semantic Notes:</b>	1 REF04 contains data relating to the value cited in REF02.
<b>Notes:</b>	Request: Required Response: Required  The Utility account number assigned to the customer is used for validation and must be present on all transactions. The Utility is required to report any change in the customer's account number. The new/current account number is sent in the REF*12 segment and the prior account number must be sent in a REF*45 segment (see notes on line 49 of the 814C data dictionary). The Response transaction must contain the new account number in the REF*12 segment.  REF~12~011231287654398 REF~12~011231287654398~U

#### Data Element Summary

	<u>Ref. Des.</u>	<u>Data Element</u>	<u>Name</u>	<u>Attributes</u>
Mand.	REF01	128	Reference Identification Qualifier	M ID 2/3
			12 Billing Account Account number under which billing is rendered REF02 contains the Utility-assigned account number for the customer.	
Must Use	REF02	127	Reference Identification	X AN 1/30
			Utility assigned customer account number  The utility account number must be supplied without intervening spaces or non-alphanumeric characters. (Characters added to aid in visible presentation on a bill, for example, should be removed)	
Cond.	REF03	352	Description	X AN 1/80
			<del>The</del> For utilities that support the practice of responding to requests pertaining specifically to the un-metered portion of accounts, the REF03 element in the REF*12 segment should only be sent to, or received by, <del>Orange &amp; Rockland</del> the utility when the commodity indicated in the LIN segment is Electric but the change request pertains only to the un-metered portion of the electric service on the account. This element should not be sent when the LIN request pertains to all electric service on the account.	
			U Un-Metered Service	

<b>Segment:</b>	<b>REF</b> Reference Identification (Previous Utility Account Number)
<b>Position:</b>	030
<b>Loop:</b>	LIN Optional (Must Use)
<b>Level:</b>	Detail
<b>Usage:</b>	Optional (Dependent)
<b>Max Use:</b>	1
<b>Purpose:</b>	To specify identifying information
<b>Syntax Notes:</b>	<ol style="list-style-type: none"> <li>1 At least one of REF02 or REF03 is required.</li> <li>2 If either C04003 or C04004 is present, then the other is required.</li> <li>3 If either C04005 or C04006 is present, then the other is required.</li> </ol>
<b>Semantic Notes:</b>	<ol style="list-style-type: none"> <li>1 REF04 contains data relating to the value cited in REF02.</li> </ol>
<b>Notes:</b>	<p>Utility Request: Conditional</p> <p><del>E/M</del>ESCO Response: Not Used</p> <p><del>E/M</del>ESCO Request: Not Used</p> <p>Utility Response: Not Applicable</p> <p>This segment must be sent by the Utility when the utility assigned account number for the customer is changed.</p> <p>REF~45~9194132485705971</p>

#### Data Element Summary

	<u>Ref.</u> <u>Des.</u>	<u>Data</u> <u>Element</u>	<u>Name</u>	<u>Attributes</u>
Mand.	REF01	128	Reference Identification Qualifier 45 Old Account Number Identifies accounts being changed REF02 is the Utility's previous account number for the customer.	M ID 2/3
Must Use	REF02	127	Reference Identification Prior utility assigned account number for the customer designated in this transaction. Current utility assigned account number for the customer must be present in REF*12.	X AN 1/30

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

**Position:** 030

**Loop:** LIN 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.
- 2 If either C04003 or C04004 is present, then the other is required.
- 3 If either C04005 or C04006 is present, then the other is required.

**Semantic Notes:**

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

**Notes:**

Utility Requests: Conditional  
Responses: Conditional

This segment is sent to report a change in the utility assigned account number for the ESCO/~~Marketer~~.

REF~AJ~3134597

#### Data Element Summary

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

<b>Segment:</b>	<b>REF</b> Reference Identification (Meter Cycle Code)
<b>Position:</b>	030
<b>Loop:</b>	LIN Optional (Must Use)
<b>Level:</b>	Detail
<b>Usage:</b>	Optional (Dependent)
<b>Max Use:</b>	1
<b>Purpose:</b>	To specify identifying information
<b>Syntax Notes:</b>	<b>1</b> At least one of REF02 or REF03 is required. <b>2</b> If either C04003 or C04004 is present, then the other is required. <b>3</b> If either C04005 or C04006 is present, then the other is required.
<b>Semantic Notes:</b>	<b>1</b> REF04 contains data relating to the value cited in REF02.
<b>Notes:</b>	Utility Request: Conditional <del>E/M</del> ESCO Response: Not Used  <del>E/M</del> ESCO Request: Not Used Utility Response: Not Applicable  This segment is sent to report a change in the <del>customers</del> customer's meter read cycle.  REF~65~A12~MON REF~65~18~BIM

#### Data Element Summary

	<u>Ref.</u> <u>Des.</u>	<u>Data</u> <u>Element</u>	<u>Name</u>	<u>Attributes</u>
<b>Mand.</b>	<b>REF01</b>	<b>128</b>	<b>Reference Identification Qualifier</b> Meter Cycle Code	<b>M ID 2/3</b>
			65 Total Order Cycle Number	
<b>Must Use</b>	<b>REF02</b>	<b>127</b>	<b>Reference Identification</b> An alphanumeric code indicating when meter reads are scheduled for this account. This code will be used to obtain the meter reading schedule information from a Utility's web site.	<b>X AN 1/30</b>
<b>Cond.</b>	<b>REF03</b>	<b>352</b>	<b>Description</b> REF03 should be sent if the code in REF02 is insufficient to communicate the usage period to be reported when regularly scheduled use information is sent in an 867 transaction.	<b>X AN 1/80</b>
			BIM bi-monthly	
			MON monthly	
			QTR quarterly	



**Segment:** **REF** Reference Identification (Bill Cycle Code)  
**Position:** 030  
**Loop:** LIN 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.  
 2 If either C04003 or C04004 is present, then the other is required.  
 3 If either C04005 or C04006 is present, then the other is required.  
**Semantic Notes:** 1 REF04 contains data relating to the value cited in REF02.

**Notes:** Utility Request: Conditional  
~~E/M~~ESCO Response: Not Used

~~E/M~~ESCO Request: Not Used  
 Utility Response: Not Applicable

This segment must be sent by the Utility when there has been a change in the ~~customers~~customer's bill cycle date or bill frequency.

REF~BF~18~MON  
 REF~BF~05~QTR

#### Data Element Summary

	Ref. Des.	Data Element	Name	Attributes
Mand.	REF01	128	Reference Identification Qualifier BF Billing Center Identification Billing cycle. Cycle number indicating when this customer is scheduled for billing.	M ID 2/3
Must Use	REF02	127	Reference Identification An alphanumeric code indicating when a scheduled bill is prepared for the customer. Some companies may bill on a cycle other than the read cycle in which case this code would be used to retrieve the scheduled billing date from the utility's web site.	X AN 1/30
Cond.	REF03	352	Description If present, indicates the frequency with which the account is billed by the Utility. Billing frequency information may be implicit in the data provided by the Utility on its web site. If the data sent in REF02 is insufficient to determine bill frequency (by reference to the Utility's web site) and a change in bill cycle is being reported, then this element must be sent. BIM bi-monthly MON monthly QTR quarterly	O AN 1/80

<b>Segment:</b>	<b>REF</b> Reference Identification (Bill Presenter )
<b>Position:</b>	030
<b>Loop:</b>	LIN Optional (Must Use)
<b>Level:</b>	Detail
<b>Usage:</b>	Optional (Dependent)
<b>Max Use:</b>	1
<b>Purpose:</b>	To specify identifying information
<b>Syntax Notes:</b>	<b>1</b> At least one of REF02 or REF03 is required. <b>2</b> If either C04003 or C04004 is present, then the other is required. <b>3</b> If either C04005 or C04006 is present, then the other is required.
<b>Semantic Notes:</b>	<b>1</b> REF04 contains data relating to the value cited in REF02.
<b>Notes:</b>	Utility Request: Conditional <del>E/MESCO</del> Response: Not Used  <del>E/MESCO</del> Request: Conditional Utility Response: Not Used  This segment is sent to report a change in the Bill Presenter. It may be necessary to send additional dependent data segments when requesting a change in either bill presenter or bill calculator (REF*PC). See Front Matter notes (pages i - iv) for further instructions.  This segment is not applicable to the Single Retailer Model.  REF~BLT~DUAL REF~BLT~LDC REF~BLT~ESP REF~BLT~ESP~AGENT

#### Data Element Summary

	Ref.	Data	Name	Attributes
	Des.	Element		
Mand.	REF01	128	Reference Identification Qualifier	M ID 2/3
			BLT	Billing Type
				Identifies whether the bill is a single bill consolidated by the Utility, a single bill consolidated by the <del>ESCO/Marketer</del> , or separate bills presented by each party.
Must Use	REF02	127	Reference Identification	X AN 1/30
			DUAL	Each Party Presents a separate bill
			ESP	ESCO/Marketer is the consolidated Bill Presenter
				REF03 must be sent when the <del>E/MESCO</del> will be the bill presenter under the "NY Billing Agency" model as defined in the NY Uniform Business Rules.
			LDC	Utility is the consolidated Bill Presenter
Cond.	REF03	352	Description	X AN 1/80
				The literal 'AGENT' must appear in the REF03 when a NY Billing agency model applies to an account.

<b>Segment:</b>	<b>REF</b> Reference Identification (Bill Calculator)
<b>Position:</b>	030
<b>Loop:</b>	LIN Optional (Must Use)
<b>Level:</b>	Detail
<b>Usage:</b>	Optional (Dependent)
<b>Max Use:</b>	1
<b>Purpose:</b>	To specify identifying information
<b>Syntax Notes:</b>	<ol style="list-style-type: none"> <li>1 At least one of REF02 or REF03 is required.</li> <li>2 If either C04003 or C04004 is present, then the other is required.</li> <li>3 If either C04005 or C04006 is present, then the other is required.</li> </ol>
<b>Semantic Notes:</b>	1 REF04 contains data relating to the value cited in REF02.
<b>Notes:</b>	<p>Utility Request: Conditional  <del>E/MESCO</del> Response: Not Used</p> <p><del>E/MESCO</del> Request: Conditional            Utility Response: Not Used</p> <p>This segment is sent to report a change in the Bill Calculator. It may be necessary to send additional dependent data segments when requesting a change in either bill presenter (REF*BLT) or bill calculator. See Front Matter notes (pages i - iv) for further instructions.</p> <p>Not used in Single Retailer Model.</p> <p>REF~PC~DUAL            REF~PC~LDC</p>

Data Element Summary				
	Ref. Des.	Data Element	Name	Attributes
Mand.	REF01	128	Reference Identification Qualifier	M ID 2/3
			PC	Production Code
				Indicates this data segment identifies the party that will calculate billed charges.
Must Use	REF02	127	Reference Identification	X AN 1/30
			DUAL	Each Party Calculates its own charges.
				"DUAL" SHOULD BE SENT WHEN:
				The <del>E/MESCO</del> is the Bill Presenter (REF*BLT= ESP) AND the utility will send an 810 to the <del>E/MESCO</del> with bill ready utility charges fully calculated;
				OR
				The Utility is the Bill Presenter (REF*BLT=LDC) AND the <del>E/MESCO</del> will send an 810 to the Utility with bill ready <del>E/MESCO</del> charges fully calculated;
				OR
				Each Party will present their own bill (REF*BLT=DUAL) AND each will calculate their own charges.
			LDC	The Utility Calculates the ESCO/ <del>Marketer</del> Charges RATE READY: The ESCO/ <del>Marketer</del> provides the rate or rate structure to the Utility. The Utility calculates the <del>ESCO/Marketer's</del> ESCO's portion of the bill.

<b>Segment:</b>	<b>REF</b> Reference Identification (Current Budget Billing Status)
<b>Position:</b>	030
<b>Loop:</b>	LIN Optional (Must Use)
<b>Level:</b>	Detail
<b>Usage:</b>	Optional (Dependent)
<b>Max Use:</b>	1
<b>Purpose:</b>	To specify identifying information
<b>Syntax Notes:</b>	<b>1</b> At least one of REF02 or REF03 is required. <b>2</b> If either C04003 or C04004 is present, then the other is required. <b>3</b> If either C04005 or C04006 is present, then the other is required.
<b>Semantic Notes:</b>	<b>1</b> REF04 contains data relating to the value cited in REF02.
<b>Notes:</b>	Utility Request: Conditional <del>E/MESCO</del> Response: Not Used  <del>E/MESCO</del> Request: Conditional Utility Response: Not Used  This segment must be sent when the customer receives a consolidated bill AND the customer is being placed on a budget plan by the initiator of the transaction (either the Utility or <del>E/MESCO</del> ) OR the customer's budget plan with the initiator of the transaction is being discontinued. Budget billing changes can be requested only when consolidated billing is being used AND the billing party has agreed to calculate budget billing amounts for the non-billing party.  REF~NR~Y REFF~NR~N

Data Element Summary				
	Ref. Des.	Data Element	Name	Attributes
Mand.	REF01	128	Reference Identification Qualifier	M ID 2/3
			NR	Progress Payment Number
				Indicates a change to the customer's budget billing status for a customer on consolidated billing.
Must Use	REF02	127	Reference Identification	X AN 1/30
			N	This customer is no longer on budget billing for the sender's charges.
			Y	This customer is, or will be, on budget billing for the sender's charges.

<b>Segment:</b>	<b>REF</b> Reference Identification ( <del>E/MESCO</del> Late Fees)
<b>Position:</b>	030
<b>Loop:</b>	LIN Optional (Must Use)
<b>Level:</b>	Detail
<b>Usage:</b>	Optional (Dependent)
<b>Max Use:</b>	1
<b>Purpose:</b>	To specify identifying information
<b>Syntax Notes:</b>	<ol style="list-style-type: none"> <li>1 At least one of REF02 or REF03 is required.</li> <li>2 If either C04003 or C04004 is present, then the other is required.</li> <li>3 If either C04005 or C04006 is present, then the other is required.</li> </ol>
<b>Semantic Notes:</b>	<ol style="list-style-type: none"> <li>1 REF04 contains data relating to the value cited in REF02.</li> </ol>
<b>Notes:</b>	<p><del>E/MESCO</del> Request: Conditional Utility Response: Conditional</p> <p>Utility Request: Not Used <del>E/MESCO</del> Response: Not Used</p> <p><del>This</del>Where required by a utility this segment is used to report a change in the <del>E/MsESCOs</del> late fee policy to <del>National Fuel Gas</del>the utility when the customer's bill option is Utility Rate Ready consolidated billing and the payment processing method is Pay-As-You-Get-Paid. This segment may be returned by <del>National Fuel</del>the utility in the corresponding Response transaction.</p> <p>The code REFLF should be sent in the REF*TD segment at the account to identify the change. REF~LF~N2 REF~LF~Y2</p>

Data Element Summary				
	Ref. Des.	Data Element	Name	Attributes
Mand.	REF01	128	Reference Identification Qualifier	M ID 2/3
			LF	Assembly Line Feed Location <del>E/MESCO</del> Late Fee Indicator
				Late fees will/will not be assessed by the Billing Party on <del>E/MESCO</del> past due amounts for the account being enrolled.
Optional	REF02	127	Reference Identification	X AN 1/30
			N2	No Late fees should NOT be assessed by the Billing Party on <del>E/MESCO</del> past due amounts.
			Y2	Yes Late fees should be assessed by the Billing Party on <del>E/MESCO</del> past due amounts.

<b>Segment:</b>	<b>REF</b> Reference Identification (Partial Participation Portion)
<b>Position:</b>	030
<b>Loop:</b>	LIN Optional (Must Use)
<b>Level:</b>	Detail
<b>Usage:</b>	Optional (Dependent)
<b>Max Use:</b>	1
<b>Purpose:</b>	To specify identifying information
<b>Syntax Notes:</b>	<ol style="list-style-type: none"> <li>1 At least one of REF02 or REF03 is required.</li> <li>2 If either C04003 or C04004 is present, then the other is required.</li> <li>3 If either C04005 or C04006 is present, then the other is required.</li> </ol>
<b>Semantic Notes:</b>	<ol style="list-style-type: none"> <li>1 REF04 contains data relating to the value cited in REF02.</li> </ol>
<b>Notes:</b>	<p>Utility Request: Conditional  <del>E/M</del>ESCO Response: Not Used</p> <p><del>E/M</del>ESCO Request: Conditional            Utility Response: Not Used</p> <p>This segment is sent to report a change in the portion of a customer's load that will be supplied by the <del>E/M</del>ESCO where the customer is a partial requirements customer of the Utility.</p> <p>REF~PGC~B            REF~PGC~T</p>

#### Data Element Summary

	<u>Ref.</u> <u>Des.</u>	<u>Data</u> <u>Element</u>	<u>Name</u>	<u>Attributes</u>
Mand.	REF01	128	Reference Identification Qualifier PGC	M ID 2/3
			Packing Group Code	
			The value in REF02 indicates what portion of the customer's load will be served by the <del>E/M</del> ESCO when the customer is a partial requirements customer of the Utility due to their participation in economic growth incentive programs.	
Must Use	REF02	127	Reference Identification B T	X AN 1/30
			Base Only Total Load	

<b>Segment:</b>	<b>REF</b> Reference Identification (Customer on Life Support)
<b>Position:</b>	030
<b>Loop:</b>	LIN Optional (Must Use)
<b>Level:</b>	Detail
<b>Usage:</b>	Optional (Dependent)
<b>Max Use:</b>	1
<b>Purpose:</b>	To specify identifying information
<b>Syntax Notes:</b>	<b>1</b> At least one of REF02 or REF03 is required. <b>2</b> If either C04003 or C04004 is present, then the other is required. <b>3</b> If either C04005 or C04006 is present, then the other is required.
<b>Semantic Notes:</b>	<b>1</b> REF04 contains data relating to the value cited in REF02.
<b>Notes:</b>	Request: Conditional Response: Not Used  <b>EMESCO</b> must report a change in an electric <del>customers</del> customer's life support status for the Single Retailer Model. REF~SU~Y REF~SU~N

Data Element Summary				
	<u>Ref. Des.</u>	<u>Data Element</u>	<u>Name</u>	<u>Attributes</u>
Mand.	REF01	128	Reference Identification Qualifier SU	M ID 2/3
			Special Processing Code	
			Life support equipment verification. Customer requires life support equipment.	
Must Use	REF02	127	Reference Identification N Y	X AN 1/30
			Life Support Not Required	
			Life Support Required	

<b>Segment:</b>	<b>REF</b> Reference Identification (Gas Pool ID)
<b>Position:</b>	030
<b>Loop:</b>	LIN Optional (Must Use)
<b>Level:</b>	Detail
<b>Usage:</b>	Optional (Dependent)
<b>Max Use:</b>	1
<b>Purpose:</b>	To specify identifying information
<b>Syntax Notes:</b>	<ol style="list-style-type: none"> <li>1 At least one of REF02 or REF03 is required.</li> <li>2 If either C04003 or C04004 is present, then the other is required.</li> <li>3 If either C04005 or C04006 is present, then the other is required.</li> </ol>
<b>Semantic Notes:</b>	<ol style="list-style-type: none"> <li>1 REF04 contains data relating to the value cited in REF02.</li> </ol>
<b>Notes:</b>	<p>Utility Request: Not Used</p> <p><del>E/AMESCO</del> Response: Not used</p> <p><del>E/AMESCO</del> Request: Conditional</p> <p>Utility Response: Not Used</p> <p>GAS ONLY. This segment is used when the <del>E/AMESCO</del> moves a customer from one Gas Pool to another.</p> <p>REF~VI~211234567</p>

#### Data Element Summary

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



<b>Segment:</b>	<b>REF</b> Reference Identification (Gas Capacity Assignment/Obligation)
<b>Position:</b>	030
<b>Loop:</b>	LIN Optional (Must Use)
<b>Level:</b>	Detail
<b>Usage:</b>	Optional (Dependent)
<b>Max Use:</b>	1
<b>Purpose:</b>	To specify identifying information
<b>Syntax Notes:</b>	<ol style="list-style-type: none"> <li>1 At least one of REF02 or REF03 is required.</li> <li>2 If either C04003 or C04004 is present, then the other is required.</li> <li>3 If either C04005 or C04006 is present, then the other is required.</li> </ol>
<b>Semantic Notes:</b>	1 REF04 contains data relating to the value cited in REF02.
<b>Notes:</b>	<p>Utility Request: Conditional</p> <p><del>E/M</del>ESCO Response: Not Used</p> <p><del>E/M</del>ESCO Request: Conditional (used if supported by the Utility)</p> <p>Utility Response: Not Used</p> <p>GAS ONLY. This segment is used to convey intended or obligated pipeline capacity requirements necessary to meet the needs of the end use customer. A change in pipeline capacity arrangements can only be sent during the non-heating season.</p> <p>REF~GC~YES</p> <p>REF~GC~NO</p>

#### Data Element Summary

	Ref. Des.	Data Element	Name	Attributes
Mand.	REF01	128	Reference Identification Qualifier	M ID 2/3
			GC Government Contract Number	
			Gas Capacity Assignment/Obligation	
Must Use	REF02	127	Reference Identification	X AN 1/30
			N <del>E/M</del> ESCO elects, or must, arrange for capacity for the customer being enrolled	
			Y <del>E/M</del> ESCO wants, or must take, the Utility release or assignment of its pipeline capacity for the customer	

<b>Segment:</b>	<b>REF</b> Reference Identification (ISO Location Based Marginal Pricing Zones)
<b>Position:</b>	030
<b>Loop:</b>	LIN Optional (Must Use)
<b>Level:</b>	Detail
<b>Usage:</b>	Optional (Dependent)
<b>Max Use:</b>	1
<b>Purpose:</b>	To specify identifying information
<b>Syntax Notes:</b>	<ol style="list-style-type: none"> <li>1 At least one of REF02 or REF03 is required.</li> <li>2 If either C04003 or C04004 is present, then the other is required.</li> <li>3 If either C04005 or C04006 is present, then the other is required.</li> </ol>
<b>Semantic Notes:</b>	<ol style="list-style-type: none"> <li>1 REF04 contains data relating to the value cited in REF02.</li> </ol>
<b>Notes:</b>	<p>Utility Request: Conditional  <del>E/M</del>ESCO Response: Not Used</p> <p><del>E/M</del>ESCO Request: Not Used            Utility Response: Not Applicable</p> <p>ELECTRIC ONLY. This segment is sent to report a change in the LBMP zone for a customer.</p> <p>REF~SPL~A</p>

#### Data Element Summary

	<u>Ref.</u> <u>Des.</u>	<u>Data</u> <u>Element</u>	<u>Name</u>	<u>Attributes</u>
Mand.	REF01	128	Reference Identification Qualifier SPL	M ID 2/3
			Standard Point Location Code (SPLC) REF02 contains the ISO Assigned code for New York Location Based Pricing Zones when service type is EL. This is the pricing zone for the account being enrolled.	
Must Use	REF02	127	Reference Identification	X AN 1/30
			A code assigned by the ISO that represents a location based marginal pricing zone. Valid Values for REF02:	
			A WEST	
			B GENESE	
			C CENTRL	
			D NORTH	
			E MHK VL	
			F CAPITL	
			G HUD VL	
			H MILL WD	
			I DUNWOD	
			J N.Y.C.	
			K LONGIL	
			M HQ	
			O OH	
			P PJM	

<b>Segment:</b>	<b>REF</b> Reference Identification (Portion Taxed Residential)
<b>Position:</b>	030
<b>Loop:</b>	LIN Optional (Must Use)
<b>Level:</b>	Detail
<b>Usage:</b>	Optional (Dependent)
<b>Max Use:</b>	1
<b>Purpose:</b>	To specify identifying information
<b>Syntax Notes:</b>	<ol style="list-style-type: none"> <li>1 At least one of REF02 or REF03 is required.</li> <li>2 If either C04003 or C04004 is present, then the other is required.</li> <li>3 If either C04005 or C04006 is present, then the other is required.</li> </ol>
<b>Semantic Notes:</b>	1 REF04 contains data relating to the value cited in REF02.
<b>Notes:</b>	<p>Utility Request: Conditional  <del>E/MESCO</del> Response: Not Used</p> <p><del>E/MESCO</del> Request: Conditional            Utility Response: Not Used</p> <p><del>This</del>Where required by a utility, this segment must be sent to <del>National Grid or Orange &amp; Rockland</del>the utility when there has been a change in the portion of a non-residential account that is taxed at a residential rate AND the customer's bill option is Utility Rate Ready consolidated billing.</p> <p>REF~RP~20            REF~RP~25</p>

Data Element Summary				
	Ref. Des.	Data Element	Name	Attributes
Mand.	REF01	128	Reference Identification Qualifier	M ID 2/3
			RP	Repetitive Pattern Code
				Portion Taxed Residential
				Percent of a Non-Residential account that should be considered residential for tax purposes.
Must Use	REF02	127	Reference Identification	X AN 1/30
			The following codes are to be used:	
		20	Split Rate 10% Residential use	
		21	Split Rate 20% Residential use	
		22	Split Rate 30% Residential use	
		23	Split Rate 40% Residential use	
		24	Split Rate 50% Residential use	
		25	Split Rate 60% Residential use	
		26	Split Rate 70% Residential use	
		27	Split Rate 75% or above Residential use	

**Segment:** ~~DTM~~ Date/Time **REF** Reference ~~(Effective Date of Change)~~ Identification (Account Settlement Indicator)

**Position:** 030  
**Loop:** LIN 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.  
 2 If either C04003 or C04004 is present, then the other is required.  
 3 If either C04005 or C04006 is present, then the other is required.

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

**Notes:** Change Requests: Conditional, for Electric accounts only  
 Change Accept Responses: Not Used

REF~TDT~C

#### Data Element Summary

	<u>Ref.</u>	<u>Data</u>	<u>Name</u>	<u>Attributes</u>
	<u>Des.</u>	<u>Element</u>		
<u>Mand.</u>	<u>REF01</u>	<u>128</u>	<u>Reference Identification Qualifier</u>	<u>M</u> <u>ID 2/3</u>
			<u>TDT</u>	<u>Technical Documentation Type</u>
				<u>Account Settlement Indicator</u>
<u>Must Use</u>	<u>REF02</u>	<u>127</u>	<u>Reference Identification</u>	<u>X</u> <u>AN 1/30</u>
			<u>The following codes are to be used:</u>	
			<u>C</u>	<u>Class Load Shape</u>
			<u>H</u>	<u>Hourly</u>
			<u>M</u>	<u>Mixed</u>
			<u>Account is settled with the NYISO with both Class Shape and Hourly data.</u>	

**Segment:** **REF** **Reference Identification (NYPA Discount Indicator)**

**Position:** 030

**Loop:** LIN Optional

**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.

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

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

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

**Notes:** Change Requests: Electric accounts, if available in the utility's system and the utility do not otherwise provide the indicator through a non-EDI means.  
Change Accept Responses: Not Used

REF~YP~Y

#### Data Element Summary

<u>Ref.</u>	<u>Data</u>	<u>Name</u>	<u>Attributes</u>
<u>Des.</u>	<u>Element</u>		
<u>REF01</u>	<u>128</u>	<u>Reference Identification Qualifier</u>	<u>M</u> <u>ID 2/3</u>
		<u>YP</u>	<u>Selling Arrangement</u>
			<u>NYPA Discount Indicator. The customer receives any special incentives from the New York Power Authority.</u>
<u>REF02</u>	<u>127</u>	<u>Reference Identification</u>	<u>X</u> <u>AN 1/30</u>
		<u>The following codes are to be used:</u>	
		<u>N</u>	<u>No, the customer does not have a NYPA Discount</u>
		<u>Y</u>	<u>Yes, the customer does have a NYPA Discount</u>

**Segment:** **REF** **Reference Identification (Utility Discount Indicator)**

**Position:** 030

**Loop:** LIN 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.

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

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

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

**Notes:** Change Requests: Conditional for non-residential accounts where the customer receives a commodity discount from the utility or a delivery discount that is dependent upon purchase of commodity from the utility. Further, the indicator should be set to "N" in cases where all non –residential customers in a rate class or service receive the same discount or when the delivery discount is portable, i.e. it applies whether the customer purchases commodity from the ESCO or the utility.

Change Accept Responses: Not Used

REF~SG~N

#### Data Element Summary

	<u>Ref.</u>	<u>Data</u>	<u>Name</u>	<u>Attributes</u>
	<u>Des.</u>	<u>Element</u>		
<u>Mand.</u>	<u>REF01</u>	<u>128</u>	<u>Reference Identification Qualifier</u>	<u>M</u> <u>ID 2/3</u>
			<u>SG</u>	<u>Savings</u>
				<u>Utility Discounts/Incentive Rate</u>
<u>Must Use</u>	<u>REF02</u>	<u>127</u>	<u>Reference Identification</u>	<u>X</u> <u>AN 1/30</u>
			The following codes are to be used:	
		<u>N</u>	No, there are not Utility Discounts/Incentive Rates	
		<u>Y</u>	Yes, there are Utility Discounts/Incentive Rates	

<b>Segment:</b>	<b>REF</b>	<b>Reference Identification (Industrial Classification Code)</b>
<b>Position:</b>	030	
<b>Loop:</b>	LIN	Optional (Must Use)
<b>Level:</b>	Detail	
<b>Usage:</b>	Optional (Dependent)	
<b>Max Use:</b>	1	
<b>Purpose:</b>	To specify identifying information	
<b>Syntax Notes:</b>	1	At least one of REF02 or REF03 is required.
	2	If either C04003 or C04004 is present, then the other is required.
	3	If either C04005 or C04006 is present, then the other is required.
<b>Semantic Notes:</b>	1	REF04 contains data relating to the value cited in REF02.
<b>Notes:</b>	Change Request: Conditional if available in the utility's system	
	Change Accept Responses: Not Used	
	REF~IJ~12345~SIC	

Data Element Summary

<u>Ref.</u>	<u>Data</u>	<u>Name</u>	<u>Attributes</u>
<u>Des.</u>	<u>Element</u>		
<u>Cond.</u>	<u>REF01</u>	<u>128</u>	<u>Reference Identification Qualifier</u>
		IJ	M ID 2/3
			Standard Industry Classification (SIC) Code
			Standard Industry Classification (SIC) Code, or North American Industry Classification System (NAISC) Code
<u>Must Use</u>	<u>REF02</u>	<u>127</u>	<u>Reference Identification</u>
			X AN 1/30
			SIC or NAISC Code as stored in the Utility's system
<u>Must Use</u>	<u>REF03</u>	<u>352</u>	<u>Description</u>
		NAISC	X AN 1/80
		SIC	Value contained in REF02 is an NAISC code
			Value contained in REF02 is an SIC code

**Segment: REF Reference Identification (Utility Tax Exempt Status)****Position:** 030**Loop:** LIN 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.

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

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

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

Change Accept Responses: Not Used

Signifies the existence of exemptions and/or certifications, if any, held by the utility that are used to bill the customer for utility services. The indicator is informational only; the utility's exemption is not transferable to the ESCO to bill the customer for ESCO services. The ESCO should not rely upon the utility's information for billing purposes and should contact the customer to obtain necessary information consistent with the requirements of the New York State Department of Taxation & Finance and any applicable laws.

REF~TX~Y

**Data Element Summary**

Ref.	Data			Attributes
Des.	Element	Name		
<b>Mand.</b>	<b>REF01</b>	<b>128</b>	<b>Reference Identification Qualifier</b>	<b>M ID 2/3</b>
		TX	Tax Exempt Number	
			Indicates the Utility's Tax Exemption Status at the time the transaction is created.	
<b>Must Use</b>	<b>REF02</b>	<b>127</b>	<b>Reference Identification</b>	<b>X AN 1/30</b>
			The following codes are to be used:	
		N	No, the customer is fully taxed for distribution charges at the time the transaction is created.	
		Y	Yes, customer has some level of tax exemption for distribution charges at the time the transaction is created.	



**Segment: DTM Date/Time Reference (Effective Date of Change)**

**Position:** 040  
**Loop:** LIN 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:****Notes:**

Utility Request: Conditional  
~~E/MESCO~~ Response: Not Used

~~E/MESCO~~ Request: Conditional  
Utility Response: Conditional

This segment is required on all Utility initiated Requests (except for changes to Assigned Service Start or Assigned Service End Date). This segment is also required on the Utility Response to an ~~E/MESCO~~ Request for a change in customer billing option. This segment is required on ~~E/MESCO~~ initiated Requests reporting a change in the customer's mailing address when the Single Retailer Model is in effect.

This segment may also be sent on ~~E/MESCO~~ initiated Requests to report a change in ~~E/MESCO~~ Commodity Price, Fixed Charge or Rate Code when the Utility is the Bill Presenter and Bill Calculator (Rate Ready Consolidated Billing) AND the Utility has agreed to process price or rate changes on a date other than the regularly scheduled bill cycle date.

DTM~007~20060917

**Data Element Summary**

	<u>Ref.</u> <u>Des.</u>	<u>Data</u> <u>Element</u>	<u>Name</u>	<u>Attributes</u>
Mand.	DTM01	374	Date/Time Qualifier	M ID 3/3
			007	Effective
				The date that the requested change is, or will become, effective.
Must Use	DTM02	373	Date	X DT 8/8
				Date expressed in CCYYMMDD format.

**Segment:** **DTM** Date/Time Reference (Assigned Service Start Date)  
**Position:** 040  
**Loop:** LIN 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:**

**Notes:**

Utility Request: Conditional  
~~E/~~ESCO Request: Not Used  
 Responses: Not Used

May be sent by the Utility only when an enrollment request for the customer is pending.

DTM~150~20060313

**Data Element Summary**

	<u>Ref.</u>	<u>Data</u>	<u>Name</u>	<u>Attributes</u>
	<u>Des.</u>	<u>Element</u>		
Mand.	DTM01	374	Date/Time Qualifier	M ID 3/3
			150 Service Period Start	
Must Use	DTM02	373	Date	X DT 8/8

The date, in the form CCYYMMDD, when the ESCO/~~Marketer~~ will begin serving the enrolling customer. The Utility determines the effective start date for an enrollment. This segment will be sent by the Utility when there is a change in the assigned service start date returned on an Enrollment Accept Response.

**Segment:** **DTM** Date/Time Reference (Assigned Service End Date)  
**Position:** 040  
**Loop:** LIN 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:**

**Notes:**

Utility Request: Conditional  
~~E/MESCO~~ Request: Not Used  
 Responses: Not Used

This segment is sent by the Utility when a Drop is pending for the customer and the assigned service end date will vary by more than three days from the date indicated in the preceding Drop transaction.

DTM~151~20060313

**Data Element Summary**

	<u>Ref.</u> <u>Des.</u>	<u>Data</u> <u>Element</u>	<u>Name</u>	<u>Attributes</u>
Mand.	DTM01	374	Date/Time Qualifier	M ID 3/3
			151 Service Period End	
Must Use	DTM02	373	Date	X DT 8/8
The date, in form CCYYMMDD, when the customer's service with the enrolled <del>E/MESCO</del> will end. The Utility will provide the effective end date.				

PROPOSED

**Segment: DTM Date/Time Reference (ICAP Effective Dates)**

**Position:** 040  
**Loop:** LIN Optional  
**Level:** Detail  
**Usage:** Optional  
**Max Use:** >1  
**Purpose:** To specify pertinent dates and times  
**Syntax Notes:** 1 At least one of DTM02 DTM03 or DTM05 is required.  
2 If DTM04 is present, then DTM03 is required.  
3 If either DTM05 or DTM06 is present, then the other is required.

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

Utility Request: Conditional

Utility Response: Not Used

ESCO Request: Not Used

ESCO Response: Not Used

DTM~AB2~~~~RD8~20140601-20150531

**Data Element Summary**

Ref.	Data			
Des.	Element	Name	Attributes	
<b>Mand.</b>	<b>DTM01</b>	<b>374</b>	<b>Date/Time Qualifier</b>	<b>M ID 3/3</b>
		AB2	Time Period	
			ICAP Tag Effective Dates	
<b>Must Use</b>	<b>DTM05</b>	<b>1250</b>	<b>Date Time Period Format Qualifier</b>	<b>X ID 2/3</b>
		RD8	Range of Dates Expressed in Format CCYYMMDD-CCYYMMDD	
<b>Must Use</b>	<b>DTM06</b>	<b>1251</b>	<b>Date Time Period</b>	<b>X AN 1/35</b>
			Period expressed in the format CCYYMMDD-CCYYMMDD	

Segment: **AMT** Monetary Amount (~~E/M~~**ESCO** Budget Plan Installment Amount)

~~Position:~~ 060

~~Loop:~~ LIN Optional (Must Use)

~~Level:~~ Detail

~~Usage:~~ Optional (Dependent)

~~Max Use:~~ 1

~~Purpose:~~ To indicate the total monetary amount

~~Syntax Notes:~~

~~Semantic Notes:~~

~~Notes:~~  
E/M Request: ~~Conditional~~  
Utility Response: ~~Not Used~~

~~Utility Request: Not Used~~  
~~E/M Response: Not Used~~

~~This segment is sent by an E/M to request a change in the ESCO budget plan installment amount when the customer's bill option is Utility Rate Ready consolidated billing. This segment must be sent to National Fuel Gas to effect a change in the monthly installment associated with an ESCO budget plan.~~

~~The REF\*TD segment at the account level should contain the code AMTB5 to designate this change.~~

~~Position:~~ 060

~~Loop:~~ LIN Optional (Must Use)

~~Level:~~ Detail

~~Usage:~~ Optional (Dependent)

~~Max Use:~~ 1

~~Purpose:~~ To indicate the total monetary amount

~~Syntax Notes:~~

~~Semantic Notes:~~

~~Notes:~~  
ESCO Request: ~~Conditional~~  
Utility Response: ~~Not Used~~

~~Utility Request: Not Used~~  
~~ESCO Response: Not Used~~

~~This segment is sent by an ESCO to request a change in the ESCO budget plan installment amount when the customer's bill option is Utility Rate Ready consolidated billing. Where required by a utility, this segment must be sent to the utility to effect a change in the monthly installment associated with an ESCO budget plan.~~

~~The REF\*TD segment at the account level should contain the code AMTB5 to designate this change.~~

~~AMT~B5~100~~  
~~AMT~B5~20~~

#### Data Element Summary

Mand.	Ref. Des.	Data Element	Name	Attributes
	AMT01	522	Amount Qualifier Code	M ID 1/3
			B5	

Budgeted

~~E/M~~**ESCO** Budget Plan Installment Amount

The amount in AMT02 is the budget plan installment amount the customer is expected to pay each month for the period covered by the customer's budget plan with the ~~E/M~~**ESCO**.

**Mand.**      **AMT02**      **782**      **Monetary Amount**

**M**   **R 1/18**

This element is a real number. Real numbers are assumed to be positive unless preceded by a minus sign. In this instance, budget installment amounts are whole numbers and will always be positive. See Front Matter notes regarding syntax for real number elements.

PROPOSED

**Segment:** **AMT** Monetary Amount (Tax Exemption Percent)  
**Position:** 060  
**Loop:** LIN Optional (Must Use)  
**Level:** Detail  
**Usage:** Optional (Dependent)  
**Max Use:** 1  
**Purpose:** To indicate the total monetary amount  
**Syntax Notes:**  
**Semantic Notes:**  
**Notes:**

~~E/MESCO~~ Request: Conditional  
Utility Request: Not Used  
Responses: Not Used

This segment must be sent by the ~~E/MESCO~~ when there is a change in the tax exemption status of the account and the Utility is the bill calculator.

This segment is not applicable to the Single Retailer Model.

AMT~DP~1  
AMT~DP~.75

#### Data Element Summary

Ref.	Data	Name	Attributes
Des.	Element		
Mand.	AMT01	522 Amount Qualifier Code	M ID 1/3
		DP Exemption	

Tax Exempt Percent: This code is used when some or all of the ~~ESCO/Marketer's ESCO's~~ service is exempt from state sales tax. See AMT02 for valid values.

Mand.	AMT02	782 Monetary Amount	M R 1/18
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For percentage values, the whole number "1" represents 100 percent or the ~~E/MESCO~~ service is fully tax exempt from state sales taxes. Decimal numbers less than "1" represent percentages; "0" indicates the account is NOT exempt from state sales taxes.



**Segment:** **AMT** Monetary Amount (~~E/MESCO~~ Commodity Price)  
**Position:** 060  
**Loop:** LIN Optional (Must Use)  
**Level:** Detail  
**Usage:** Optional (Dependent)  
**Max Use:** 1  
**Purpose:** To indicate the total monetary amount  
**Syntax Notes:**  
**Semantic Notes:**  
**Notes:**

~~E/MESCO~~ Request: Conditional  
~~E/MESCO~~ Response: Not Applicable

Utility Request: Not Used  
 Utility Response: Optional

This segment must be sent by the ~~E/MESCO~~ to report a change in commodity price when the bill option is Utility Rate Ready consolidated billing and the ~~E/MESCO~~ charges are being calculated based on a fixed price for all billed consumption on the account. The price change may be echoed back on the Utility Response transaction, at the option of the Utility, to confirm price changes.

This segment may be accompanied by a DTM\*007 segment to communicate the effective date of the price change when the applicable Utility has agreed to process price changes on a date other than the regularly scheduled bill cycle date.

AMT~RJ~.015  
 AMT~RJ~.05

#### Data Element Summary

Ref.	Data	Name	Attributes
Des.	Element	Amount Qualifier Code	
Mand.	AMT01	522	M ID 1/3

RJ Rate Amount

~~E/MESCO~~ rate for the customer expressed as a monetary amount.

Mand.	AMT02	782	M R 1/18
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Monetary Amount

Contains the unit price for each unit of measure for this customer.

The ESCO/~~Marketer~~ will be required to provide rate codes, in lieu of prices, when different prices will be applied to each meter on a multi-metered account or the ~~E/MESCO~~ price will vary by either the unit of measure for each service end point or the time of day interval for individual service end points.

**Segment:** **AMT** Monetary Amount (~~E/MESCO~~ Fixed Charge)  
**Position:** 060  
**Loop:** LIN Optional (Must Use)  
**Level:** Detail  
**Usage:** Optional (Dependent)  
**Max Use:** 1  
**Purpose:** To indicate the total monetary amount  
**Syntax Notes:**  
**Semantic Notes:**  
**Notes:**

Utility Request: Not Used  
~~E/MESCO~~ Response: Not Applicable

~~E/MESCO~~ Request: Conditional  
Utility Response: Not Used

This segment must be sent by the ~~E/MESCO~~ to report a change in the fixed charge per account when the bill option is Utility Rate Ready consolidated billing and the ~~E/MESCO~~ charges include a fixed charge on each account.

This segment may be accompanied by a DTM\*007 segment to communicate the effective date of the change in fixed charge when the applicable Utility has agreed to process price changes on a date other than the regularly scheduled bill cycle date.

AMT~FW~2.00

#### Data Element Summary

	Ref. Des.	Data Element	Name	Attributes
Mand.	AMT01	522	Amount Qualifier Code	M ID 1/3
			FW Flat Fee Paid Current Month	
			<del>E/MESCO</del> fixed charge expressed as a monetary amount.	
Mand.	AMT02	782	Monetary Amount	M R 1/18
			The fixed charge for this customer. Values must reflect two decimal places.	

**Segment:** **AMT** Monetary Amount-~~H~~Customer's Tax Rate for ~~E/~~**MESCO** Charges -1)  
**Position:** 060  
**Loop:** LIN Optional (Must Use)  
**Level:** Detail  
**Usage:** Optional (Dependent)  
**Max Use:** 1  
**Purpose:** To indicate the total monetary amount  
**Syntax Notes:**  
**Semantic Notes:**  
**Notes:**

~~E/~~**MESCO** Request: Conditional  
~~E/~~**MESCO** Response: Not Applicable

Utility Request: Not Used  
 Utility Response: Optional

Utility Rate Ready Consolidated Billing Only.

This segment is sent by an ~~E/~~**MESCO** to report a change in the customer's tax rate for all service on the account or for the portion of the service taxed at a residential rate when a REF\*RP segment was present in the Enrollment Request transaction.

The tax rate change may be echoed back on the Utility Accept Response transaction, at the option of the Utility, to confirm a tax rate change.

AMT~9M~.045

#### Data Element Summary

Ref.	Data	Name	Attributes
Des.	Element		
Mand.	AMT01	522 Amount Qualifier Code	M ID 1/3
		9M Tax Adjustments	

The rate in AMT02 is the tax rate that should be used by the utility to calculate tax amounts associated with the ~~E/~~**MESCOs** charges when the customer's bill option is Utility Rate Ready consolidated billing.

Mand.	AMT02	782 Monetary Amount	M R 1/18
		For percentage values, the whole number "1" will represent 100 percent; decimal numbers less than "1" represent percentages.	

Segment: **AMT** Monetary Amount-~~H~~(Customer's Tax Rate for ~~E/M~~**ESCO** Charges -2)

**Position:** 060

**Loop:** LIN Optional (Must Use)

**Level:** Detail

**Usage:** Optional (Dependent)

**Max Use:** 1

**Purpose:** To indicate the total monetary amount

**Syntax Notes:**

**Semantic Notes:**

**Notes:**

ESCO Request: Conditional  
ESCO Response: Not Applicable

Utility Request: Not Used  
Utility Response: Optional

Utility Rate Ready Consolidated Billing Only.

This segment is sent by an ESCO to report a change in the customer's tax rate for that portion of the customer's service that is being taxed at a commercial rate when a REF\*RP segment was present in the Enrollment Request transaction.

The tax rate change may be echoed back on the Utility Accept Response transaction, at the option of the Utility, to confirm a tax rate change.

~~AMT~9N~.075~~

**Position:** 060

**Loop:** LIN Optional (Must Use)

**Level:** Detail

**Usage:** Optional (Dependent)

**Max User:** 1

**Purpose:** To indicate the total monetary amount

**Syntax Notes:**

**Semantic Notes:**

**Notes:**

E/M Request: Conditional  
E/M Response: Not Applicable

Utility Request: Not Used  
Utility Response: Optional

Utility Rate Ready Consolidated Billing Only.

This segment is sent by an E/M to report a change in the customer's tax rate for that portion of the customer's service that is being taxed at a commercial rate when a REF\*RP segment was present in the Enrollment Request transaction.

The tax rate change may be echoed back on the Utility Accept Response transaction, at the option of the Utility, to confirm a tax rate change.

~~AMT~9N~.075~~

#### Data Element Summary

	Ref. Des.	Data Element	Name	Attributes
Mand.	AMT01	522	Amount Qualifier Code	M ID 1/3
			9N Tax Balance	
			The rate in AMT02 is the tax rate that should be used by the utility to calculate tax amounts associated with the <del>E/M</del> <b>ESCOs</b> charges applicable to the portion of the <del>customer's</del> <b>customer's</b> service taxed at a commercial rate.	
Mand.	AMT02	782	Monetary Amount	M R 1/18
			For percentage values, the whole number "1" will represent 100 percent; decimal numbers less than "1" represent percentages.	

**Segment:** **AMT** Monetary Amount (~~Electric Capacity Assignment~~ **ICAP**)  
**Position:** 060  
**Loop:** LIN Optional (Must Use)  
**Level:** Detail  
**Usage:** Optional (Dependent)  
**Max Use:** ≥1  
**Purpose:** To indicate the total monetary amount

**Syntax Notes:**  
**Semantic Notes:**

**Comments:**

**Notes:**

Utility Request: —Conditional  
~~E/MESCO~~ Response: —Not Used

~~E/MESCO~~ Request: —Not Used  
 Utility Response: -Not Applicable

~~ELECTRIC ONLY. This segment will be sent by Orange & Rockland~~ Sent for Electric accounts, if available, to report a change in the customer's peak load contribution for Electric Service.

~~AMT03 is a general indicator; i.e. it is not tied to any specific program~~

AMT~KZ~.015

~~AMT~KZ~0.15~C~~

**Data Element Summary**

	<u>Ref.</u> <u>Des.</u>	<u>Data</u> <u>Element</u>	<u>Name</u>	<u>Attributes</u>
Mand.	AMT01	522	Amount Qualifier Code	M ID 1/3
			KZ	<del>Mortgagor's Monthly Obligations</del> Corrective Action Requests - Written
				<del>Transmission obligation—Customer's peak load contribution for Transmission service calculations.</del> ICAP Tag
Mand.	AMT02	782	Monetary Amount	M R 1/18
				For percentage values, the whole number "1" represents 100 percent; decimal numbers less than "1" represent percentages from 1 percent to 99.99 percent.
	<del>AMT03</del>	<del>478</del>	<del>Credit/Debit Flag Code</del>	<del>ID 1/1</del>
			<del>C</del>	<del>Credit</del>
				<del>Yes, there is a Special Program Adjustment Indicator related to the ICAP Tag. For example, a NYPA adjustment has been applied.</del>
			<del>D</del>	<del>Debit</del>
				<del>No, there is no Special Program Adjustment Indicator related to the ICAP Tag.</del>

PROPOSED

<b>Segment:</b>	<b>NM1</b> Metered or Un-Metered Service Points
<b>Position:</b>	080
<b>Loop:</b>	NM1 Optional (Dependent)
<b>Level:</b>	Detail
<b>Usage:</b>	Optional (Dependent)
<b>Max Use:</b>	1
<b>Purpose:</b>	To supply the full name of an individual or organizational entity
<b>Syntax Notes:</b>	<b>1</b> If either NM108 or NM109 is present, then the other is required. <b>2</b> If NM111 is present, then NM110 is required.
<b>Semantic Notes:</b>	<b>1</b> NM102 qualifies NM103.
<b>Notes:</b>	Utility Request: Conditional <del>E/M</del> ESCO Response: Optional  <del>E/M</del> ESCO Request: Conditional Utility Response: Optional  This segment is used to communicate changes at the meter or service end point level. At the Detail Level, all change requests should be grouped by meter in individual LIN Loops, e.g. multiple changes pertaining to the same meter may be sent in one LIN Loop (refer to examples in this implementation guide).  'MA' is used for a meter addition. 'MQ' is used when changes to existing meter data are being sent. 'MX' is used for a meter exchange. 'MR' is used when a meter has been removed but the account will remain active.  A Drop transaction, rather than a Change, will be sent when a meter removal is done coincident with an account termination.  NM1~MA~3~~~~~32~A1234567 Meter addition (new meter number supplied) NM1~MQ~3~~~~~32~A1234567 Change in existing meter or service end point data (when a meter number is being corrected, the corrected meter number is supplied)  NM1~MR~3~~~~~93~A1234567 Meter removal (removed meter number is supplied or the word "Un-metered")  NM1~MX~3~~~~~32~A1234567 Meter exchange (new meter number supplied - old meter number sent in a REF*46)

## Data Element Summary

<u>Mand.</u>	<u>Ref.</u> <u>Des.</u>	<u>Data</u> <u>Element</u>	<u>Name</u>	<u>Attributes</u>
	NM101	98	Entity Identifier Code	M ID 2/3
			MA	Party for whom Item is Ultimately Intended Indicates a Meter Addition. Used when an additional meter is added to a multi-metered account or un-metered account or, when a new meter is added to an active account whose old meter had been recently removed (see the MR code).
			MQ	Metering Location Indicates that this NM1 loop contains a change to delivery point or meter related information unrelated to a meter addition, removal, or exchange. Used when a meter service attribute is changed or when erroneous meter numbers are corrected (for corrections, the NM1*MQ is used in conjunction with the REF*46 segment, which is used to send the incorrect meter number).

			MR	Medical Insurance Carrier		
				Indicates a Meter Removal. This code is used when: one or more meters are removed from a multi-metered account; an account with a single meter is changed to UNMETERED or; a meter has been removed temporarily but the account remains active and another meter is added.		
			MX	Juvenile Witness		
				Indicates a Meter Exchange. This code value in this segment will be used in conjunction with a REF*46 segment, which will contain the old meter number, when there has been a meter exchange. This would include instances in which a meter is added to a previously un-metered account.		
<b>Mand.</b>	<b>NM102</b>	<b>1065</b>	<b>Entity Type Qualifier</b>		<b>M</b>	<b>ID 1/1</b>
			3	Unknown		
				NM102 is an X12 required element.		
<b>Must Use</b>	<b>NM108</b>	<b>66</b>	<b>Identification Code Qualifier</b>		<b>X</b>	<b>ID 1/2</b>
			32	Assigned by Property Operator		
				Use when NM109 contains a meter number.		
			93	Code assigned by the organization originating the transaction set		
				Use when NM109 is not a meter number.		
<b>Must Use</b>	<b>NM109</b>	<b>67</b>	<b>Identification Code</b>		<b>X</b>	<b>AN 2/80</b>
				If NM108 = 32: NM109 will contain the Utility meter number (in conformance with the conditions described above).		
				If NM108 = 93: NM109 will contain the literal "UNMETERED" ( for unmetered accounts) OR the literal "ALL" (used when changes apply to all meters in a multi-metered account).		



<b>Segment:</b>	<b>REF</b> Reference Identification (Reason for Change - Meter Level)
<b>Position:</b>	130
<b>Loop:</b>	NM1 Optional (Dependent)
<b>Level:</b>	Detail
<b>Usage:</b>	Optional (Dependent)
<b>Max Use:</b>	>1
<b>Purpose:</b>	To specify identifying information
<b>Syntax Notes:</b>	<ol style="list-style-type: none"> <li>1 At least one of REF02 or REF03 is required.</li> <li>2 If either C04003 or C04004 is present, then the other is required.</li> <li>3 If either C04005 or C04006 is present, then the other is required.</li> </ol>
<b>Semantic Notes:</b>	<ol style="list-style-type: none"> <li>1 REF04 contains data relating to the value cited in REF02.</li> </ol>
<b>Notes:</b>	Request: Conditional Response: Optional  This REF segment is required to identify the data segment that is being changed when changes in data segment(s) sent at the meter level are bring reported.  REF~TD~REFNH

Data Element Summary				
	<u>Ref.</u> <u>Des.</u>	<u>Data</u> <u>Element</u>	<u>Name</u>	<u>Attributes</u>
Mand.	REF01	128	Reference Identification Qualifier TD	M ID 2/3
Must Use	REF02	127	Reference Identification NM1MQ	X AN 1/30
			NM1MR	Meter removal
			NM1MX	Meter exchange
			NMIMA	Meter addition
			REFLO	Change Load Profile
				Use this code to report a change in the Utility's Load Profile Group Code
			REFMT	Change Meter Type
				Use this code to report changes in measurement type and/or reporting intervals
			REFNH	Change Utility Rate Service Class
			REFPR	Change Utility Rate Sub Class
			REFRB	Change <del>E/MESCO</del> Rate Code
			REFTU	Change Use Time of Day

<b>Segment:</b>	<b>REF</b> Reference Identification (Old Meter Number)
<b>Position:</b>	130
<b>Loop:</b>	NM1 Optional (Dependent)
<b>Level:</b>	Detail
<b>Usage:</b>	Optional (Dependent)
<b>Max Use:</b>	1
<b>Purpose:</b>	To specify identifying information
<b>Syntax Notes:</b>	<ol style="list-style-type: none"> <li>1 At least one of REF02 or REF03 is required.</li> <li>2 If either C04003 or C04004 is present, then the other is required.</li> <li>3 If either C04005 or C04006 is present, then the other is required.</li> </ol>
<b>Semantic Notes:</b>	<ol style="list-style-type: none"> <li>1 REF04 contains data relating to the value cited in REF02.</li> </ol>
<b>Notes:</b>	<p>Utility Request: Conditional</p> <p><del>E/M</del>ESCO Response: Not Used</p> <p><del>E/M</del>ESCO Request: Not Used</p> <p>Utility Response: Not Applicable</p> <p>This segment is used when a meter exchange (MX) is being reported. In this situation, the new meter number is sent in the NM1 segment and the old meter number is sent in this REF segment. This segment is also used when a corrected meter number is being communicated.</p> <p>REF~46~123456789</p> <p>REF~46~UNMETERED</p>

Data Element Summary				
	Ref. Des.	Data Element	Name	Attributes
Mand.	REF01	128	Reference Identification Qualifier	M ID 2/3
			46 Old Meter Number	
			Identifies meters being removed	
Must Use	REF02	127	Reference Identification	X AN 1/30
			Old meter number.	

<b>Segment:</b>	<b>REF</b> Reference Identification (Utility Rate Service Class)
<b>Position:</b>	130
<b>Loop:</b>	NM1 Optional (Dependent)
<b>Level:</b>	Detail
<b>Usage:</b>	Optional (Dependent)
<b>Max Use:</b>	1
<b>Purpose:</b>	To specify identifying information
<b>Syntax Notes:</b>	<ol style="list-style-type: none"> <li>1 At least one of REF02 or REF03 is required.</li> <li>2 If either C04003 or C04004 is present, then the other is required.</li> <li>3 If either C04005 or C04006 is present, then the other is required.</li> </ol>
<b>Semantic Notes:</b>	<ol style="list-style-type: none"> <li>1 REF04 contains data relating to the value cited in REF02.</li> </ol>
<b>Notes:</b>	<p>Utility Request: Conditional</p> <p><del>E/M</del>ESCO Response: Not Used</p> <p><del>E/M</del>ESCO Request: Not Used</p> <p>Utility Response: Not Applicable</p> <p>This segment is sent by the Utility to report a change in the customer's service class designation.</p> <p>REF~NH~1B REF~NH~931</p>

#### Data Element Summary

	<u>Ref.</u> <u>Des.</u>	<u>Data</u> <u>Element</u>	<u>Name</u>	<u>Attributes</u>
<b>Mand.</b>	<b>REF01</b>	<b>128</b>	<b>Reference Identification Qualifier</b> NH Rate Card Number	<b>M ID 2/3</b>
			REF02 contains the Utility specific rate code that references the service class and rates applicable to this service delivery point.	
<b>Must Use</b>	<b>REF02</b>	<b>127</b>	<b>Reference Identification</b> Utility Rate code as found in the tariff. (This code can be used to retrieve rates from a utility's web site.)	<b>X AN 1/30</b>

**Segment:** **REF** Reference Identification (Utility Rate Sub Class)

**Position:** 130

**Loop:** NM1 Optional (Dependent)

**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.
- 2 If either C04003 or C04004 is present, then the other is required.
- 3 If either C04005 or C04006 is present, then the other is required.

**Semantic Notes:**

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

**Notes:**

Utility Request: Conditional

~~E/M~~ESCO Response: Not Used

~~E/M~~ESCO Request: Not Used

Utility Response: Not Applicable

REF~PR~0151

REF~PR~NRSVD

#### Data Element Summary

	<u>Ref.</u> <u>Des.</u>	<u>Data</u> <u>Element</u>	<u>Name</u>	<u>Attributes</u>
Mand.	REF01	128	Reference Identification Qualifier PR	M ID 2/3
			Price Quote Number	
			Utility Rate Subclass - Used to provide further classification of a rate.	
Must Use	REF02	127	Reference Identification	X AN 1/30
			Provides further clarification of a tariff specified in the REF where REF01=NH.	

**Segment:** **REF** Reference Identification (Utility Load Profile Group Code)

**Position:** 130

**Loop:** NM1 Optional (Dependent)

**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.
- 2 If either C04003 or C04004 is present, then the other is required.
- 3 If either C04005 or C04006 is present, then the other is required.

**Semantic Notes:**

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

**Notes:**

Utility Request: Conditional

~~E/M~~ESCO Response: Not Used

~~E/M~~ESCO Request: Not Used

Utility Response: Not Applicable

REF~LO~L01

#### Data Element Summary

	<u>Ref.</u> <u>Des.</u>	<u>Data</u> <u>Element</u>	<u>Name</u>	<u>Attributes</u>
Mand.	REF01	128	Reference Identification Qualifier LO	M ID 2/3
			Load Planning Number	
			REF02 is the Utility assigned electric load profile code.	
Must Use	REF02	127	Reference Identification	X AN 1/30
			Utility assigned load profile code. Load profile code definitions are provided on the Utility web site.	

**Segment:** **REF** Reference Identification (Measurement Type and Reporting Interval)  
**Position:** 130  
**Loop:** NM1 Optional (Dependent)  
**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.  
2 If either C04003 or C04004 is present, then the other is required.  
3 If either C04005 or C04006 is present, then the other is required.  
**Semantic Notes:** 1 REF04 contains data relating to the value cited in REF02.

**Notes:** Utility Request: Conditional  
~~E/M~~ESCO Response: Not Used

~~E/M~~ESCO Request: Not Used  
Utility Response: Not Applicable

This segment is sent to describe the measurement types and reporting intervals associated with the service delivery point(s) identified in the NM109 segment when a meter addition (NM01='MA'), a meter exchange (NM01='MX') or a change in existing meter data (NM01='MQ') is being reported. In some instances, a REF\*TU segment may be required in conjunction with the REF\*MT to adequately describe the consumption and reporting intervals for specific service end points.

REF~MT~KHMON  
REF~MT~COMBO  
REF~MT~TDMON  
REF~MT~KH030

#### Data Element Summary

	Ref.	Data	Name	Attributes
	Des.	Element		
Mand.	REF01	128	Reference Identification Qualifier MT Meter Ticket Number Meter type. Used to identify the type of consumption measured by a meter and the interval between measurements or the type of consumption and reporting interval applicable to the un-metered service delivery points on the account.	M ID 2/3
Cond.	REF02	127	Reference Identification The type and reporting interval for consumption measurements are described in a five-character field. The first two characters are used to describe the type of consumption. The last three characters describe the reporting interval. The literal "COMBO" is sent in the REF02 when the service delivery point(s) identified in the NM109 is capable of providing different measurement types and/or providing measurements for more than one time period in a day. When the REF*MT segment contains "COMBO" OR usage is being measured in timed intervals (e.g. on peak), multiple REF*TU segments are used to provide the measurement types and the daily time period(s) for each measurement the meter will provide, as well as the reporting intervals used for billing.	X AN 1/30

When only one measurement type is applicable to the metered or un-metered service points identified in the NM109 element, the REF02 in this segment should contain one of the following codes as the first two characters to describe the type of consumption:

K1 Kilowatt Demand (kW)  
K2 Kilovolt Amperes Reactive Demand (kVAR)  
K3 Kilovolt Amperes Reactive Hour (kVARH)  
K4 Kilovolt Amperes (kVA)  
K5 Kilovolt Amperes Reactive (kVAR)  
KH Kilowatt Hour (kWh)  
HH Hundred Cubic Feet (CCF)  
TZ Thousand Cubic Feet (MCF)  
TD Therms

The following codes are used in the last three characters of the REF02 to document the interval capabilities for the metered or un-metered service delivery point(s) identified in the NM109. If that capability is not known then the interval that should be reported is the scheduled meter reading interval.

BIM Bi-Monthly  
DAY Daily  
MON Monthly  
QTR Quarterly  
TOU Time of Use

001-999 - Reporting Intervals (e.g. 015 indicates 15 minute intervals, 060 indicates 60 minute intervals, etc.)

<b>Segment:</b>	<b>REF</b> Reference Identification (Use Time of Day)
<b>Position:</b>	130
<b>Loop:</b>	NM1 Optional (Dependent)
<b>Level:</b>	Detail
<b>Usage:</b>	Optional (Dependent)
<b>Max Use:</b>	>1
<b>Purpose:</b>	To specify identifying information
<b>Syntax Notes:</b>	<ol style="list-style-type: none"> <li>1 At least one of REF02 or REF03 is required.</li> <li>2 If either C04003 or C04004 is present, then the other is required.</li> <li>3 If either C04005 or C04006 is present, then the other is required.</li> </ol>
<b>Semantic Notes:</b>	1 REF04 contains data relating to the value cited in REF02.
<b>Notes:</b>	<p>Utility Request: Conditional  <del>E/M</del>ESCO Response: Not Used</p> <p><del>E/M</del>ESCO Request: Not Used            Utility Response: Not Applicable</p> <p>This segment is sent when there is a change in the manner in which usage will be measured on an account due to a meter addition, a meter exchange or a correction to previously reported data AND the "COMBO" code was sent in the REF*MT segment OR usage is measured in time intervals.</p> <p>REF~TU~51~KHMON } The service point identified in NM109 measures kilowatt            REF~TU~41~KHMON } hours monthly for four time intervals: Total, Off Peak,            REF~TU~42~KHMON } On Peak and Shoulder Peak.            REF~TU~43~KHMON }</p>

Data Element Summary				
	Ref. Des.	Data Element	Name	Attributes
Mand.	REF01	128	Reference Identification Qualifier	M ID 2/3
			TU	Trial Location Code
				REF02 will contain a code that indicates the time of day for which measurements are obtained.
Must Use	REF02	127	Reference Identification	X AN 1/30
			41	Off Peak
			42	On Peak
			43	Intermediate Peak
			51	Total/Totalizer
				Use "51" when:
				The total of all consumption of the indicated type for all periods recorded by the meter indicated in the NM1 segment will be reported in the 867 transaction. For example, if only the total usage for a metered service point will be sent in the 867, the REF*TU segment should contain "51". When consumption will be reported by intervals on the 867 transaction, for example, off peak, on peak, and total then multiple REF*TU segments must be present with codes of "41","42" and "51" for the applicable metered service point.



**Must Use**    **REF03**    **352**    **Description**    **X**    **AN 1/80**

The REF03 element is used to associate the time of day intervals in REF02 with the measurement type and meter cycle frequency for the meter(s) indicated in the NM109 element.

For example, if a specific meter provides both kilowatt hours and demand measurements for peak and off peak intervals for a monthly reading period, multiple REF\***TU** segments would be sent as follows:

REF~**TU**~41~KHMON  
REF~**TU**~42~KHMON  
REF~**TU**~41~K1MON  
REF~**TU**~42~K1MON

Valid values for REF03 for consumption types:

K1 Kilowatt Demand (kW)  
K2 Kilovolt Amperes Reactive Demand (kVAR)  
K3 Kilovolt Amperes Reactive Hour (kVARH)  
K4 Kilovolt Amperes (kVA)  
K5 Kilovolt Amperes Reactive (kVAR)  
KH Kilowatt Hour (kWh)

Valid values for metering periods to be reported on an 867:

BIM Bi-Monthly  
DAY Daily  
MON Monthly  
QTR Quarterly  
TOU Time of Use

001-999 is used to report the number of minutes in an interval for an interval meter.

PRO

<b>Segment:</b>	<b>REF</b> Reference Identification ( <del>E/MESCO</del> Rate Code)
<b>Position:</b>	130
<b>Loop:</b>	NM1 Optional (Dependent)
<b>Level:</b>	Detail
<b>Usage:</b>	Optional (Dependent)
<b>Max Use:</b>	1
<b>Purpose:</b>	To specify identifying information
<b>Syntax Notes:</b>	<ol style="list-style-type: none"> <li>1 At least one of REF02 or REF03 is required.</li> <li>2 If either C04003 or C04004 is present, then the other is required.</li> <li>3 If either C04005 or C04006 is present, then the other is required.</li> </ol>
<b>Semantic Notes:</b>	<ol style="list-style-type: none"> <li>1 REF04 contains data relating to the value cited in REF02.</li> </ol>
<b>Notes:</b>	<p>Utility Request: Not Used  <del>E/MESCO</del> Response: Not Applicable</p> <p><del>E/MESCO</del> Request: Conditional          Utility Response: Conditional</p> <p>This segment must be sent by the <del>E/MESCO</del> to report a change in the <del>E/MESCO</del> Rate Code when the bill option is Utility Rate Ready consolidated billing and the <del>E/MESCO</del> charges are being calculated based on a rate code table. This segment may be echoed back in Utility Accept Responses at the discretion of the utility.          This segment may be accompanied by a DTM*007 segment to communicate the effective date of the change in Rate Code when the applicable Utility has agreed to process such changes on a date other than the regularly scheduled bill cycle date.</p> <p>REF~RB~R23X40          REF~RB~1150100</p>

## Data Element Summary

	<u>Ref.</u> <u>Des.</u>	<u>Data</u> <u>Element</u>	<u>Name</u>	<u>Attributes</u>
<b>Mand.</b>	<b>REF01</b>	<b>128</b>	<b>Reference Identification Qualifier</b>	<b>M ID 2/3</b>
			RB	Rate code number REF02 Contains the ESCO/ <del>Marketer</del> Rate Code that will indicate the prices to be applied to this service point.
<b>Must Use</b>	<b>REF02</b>	<b>127</b>	<b>Reference Identification</b>	<b>X AN 1/30</b>
				An alphanumeric rate code indicating a table of rates used to calculate net charges associated with this metering point.

<b>Segment:</b>	<b>SE</b> Transaction Set Trailer
<b>Position:</b>	150
<b>Loop:</b>	
<b>Level:</b>	Detail
<b>Usage:</b>	Mandatory
<b>Max Use:</b>	1
<b>Purpose:</b>	To indicate the end of the transaction set and provide the count of the transmitted segments (including the beginning (ST) and ending (SE) segments)
<b>Syntax Notes:</b>	
<b>Semantic Notes:</b>	
<b>Notes:</b>	Request: Required Response: Required SE~27~0001

Data Element Summary				
	<u>Ref.</u> <u>Des.</u>	<u>Data</u> <u>Element</u>	<u>Name</u>	<u>Attributes</u>
Mand.	SE01	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 only. Although they are syntactically correct with respect to the published transaction standard for TS814 Change Request & Response, it should be understood that these examples reflect certain assumptions regarding optional and conditional data segments in this standard. Accordingly, these examples are not necessarily indicative of the manner in which a specific Utility or ESCO/~~MARKETER~~ would map a specific transaction.

### *Scenario 1A: Utility Change Request – Correct Customer Name*

ST*814*0001!	Transaction Set header; transaction defined is an <b>814</b> ; control number assigned by originator
BGN*13*20060918001*20060918!	Transaction is a <b>Request</b> ; Unique id number for this transaction; transaction creation date
N1*SJ* <del>E/MESCO</del> NAME*1*845767011!	<del>E/MESCO</del> Name and DUNS number
N1*8S*UTILITY NAME*1*006977763!	Utility Name and DUNS number
N1*8R*ALFRED K BROWN!	New Customer Name
LIN*AABBDD001*SH*EL*SH*CE!	Unique transaction reference number, request pertains to electric services
ASI*7*001!	Action is a Change Request
REF*TD*N18R!	Change Reason - Change in Customer Name or Service Address
REF*12*011231287654398!	Utility Account Number
DTM*007*20060918!	Effective Change Date
SE*11*0001!	Transaction Set trailer; segment count; control number

### *Scenario 1B: ~~E/MESCO~~ Response to Request to Change Customer Name*

ST*814*0003!	Transaction Set header; transaction defined is an <b>814</b> ; control number assigned by originator
BGN*11*00013415*20060920***20060918001!	Transaction is a <b>Response</b> ; Unique id number for this transaction; transaction creation date; BGN02 from Request transaction
N1*SJ* <del>E/MESCO</del> NAME*1*845750011!	<del>E/MESCO</del> Name and DUNS number
N1*8S*UTILITY NAME*1*006977763!	Utility Name and DUNS number
LIN*AABBDD001*SH*EL*SH*CE!	Unique transaction reference number, response pertains to electric services
ASI*WQ*001!	Accept Request
REF*TD*N18R!	Echo Back Change Reason - Change in Customer Name or Service Address
REF*12*011231287654398!	Utility Account Number
SE*9*0003!	Transaction Set trailer; segment count; control number

### Scenario 2A: E/MESCO Change Request – Change Mailing Address and Telephone Number

ST*814*0002!	Transaction Set header; transaction defined is an <b>814</b> ; control number assigned by originator
BGN*13*200609185101*20060918!	Transaction is a <b>Request</b> ; Unique id number for this transaction; transaction creation date
N1*SJ* <u>E/MESCO</u> NAME*1*845750011!	<u>E/MESCO</u> Name and DUNS number
N1*8S*UTILITY NAME*1*006982359!	Utility Name and DUNS number
N1*BT*SAMS SHOES C/O A.E.JONES, CPA!	New Name for Mailing
N3*237 WEST 35 ST 16FL!	New Mailing Address – Street
N4*NEW YORK*NY*10001-1905!	New Mailing Address – City, State, Postal Code
PER*IC**TE*2125556271!	New Telephone Number
LIN*AC2006089A*SH*EL*SH*CE!	Unique transaction reference number, request pertains to electric service
ASI*7*001!	Action is a Change Request
REF*TD*N1BT!	Change Reason – Change in Name for Mailing or Mailing Address
REF*12*994102162510009!	Utility Account Number
LIN*AC2006089B*SH*EL*SH*CE!	2 <sup>nd</sup> LIN Request
ASI*7*001!	Action is a Change Request
REF*TD*PERIC!	Change Reason – Change in Customer's Telephone Number
REF*12*994102162510009!	Utility Account Number
SE*17*0002!	Transaction Set trailer; segment count; control number

### 2. B. Response(s) to Request to Change Mailing Address and Telephone Number (Separate Response transaction for each LIN Request)

#### a. First Response Transaction:

ST*814*0004!	Transaction Set header; transaction defined is an <b>814</b> ; control number assigned by originator
BGN*11*00056799*20060920***200609185101!	Transaction is a <b>Response</b> ; Unique id number for this transaction; transaction creation date; BGN02 from Request transaction
N1*SJ* <u>E/MESCO</u> NAME*1*845750011!	<u>E/MESCO</u> Name and DUNS number
N1*8S*UTILITY NAME*1*006982359!	Utility Name and DUNS number
LIN*AC2006089A*SH*EL*SH*CE!	Unique transaction reference number for the request, response pertains to electric service
ASI*WQ*001!	Accept Request
REF*TD*N1BT!	Echo Back Change Reason – Change in Name for Mailing or Mailing Address
REF*12*994102162510009!	Utility Account Number
DTM*007*20060920!	Effective Date of Change
SE*10*0004!	Transaction Set trailer; segment count; control number

**b. Second Response Transaction:**

ST*814*0005!	Transaction Set header; transaction defined is an <b>814</b> ; control number assigned by originator
BGN*11*20060920048*20060920***200609185101!	Transaction is a <b>Response</b> ; Unique id number for this transaction; transaction creation date; BGN02 from Request transaction
N1*SJ* <del>E</del> /MESCO NAME*1*845750011!	<del>E</del> /MESCO Name and DUNS number
N1*8S*UTILITY NAME*1*006982359!	Utility Name and DUNS number
LIN*AC2006089B*SH*EL*SH*CE!	Unique transaction reference number for the request, response pertains to electric service
ASI*WQ*001!	Accept Request
REF*TD*PERIC!	Echo back Change Reason – Change in Customer’s Telephone Number
REF*12*994102162510009!	Utility Account Number
DTM*007*20060920!	Effective Date of Change
SE*10*0005!	Transaction Set trailer; segment count; control number

**Scenario 3A: Utility Request – Meter Exchange: Change Meter Read Cycle, Bill Cycle, Rate Service Class, Measurement Type**

ST*814*0005!	Transaction Set header; transaction defined is an <b>814</b> ; control number assigned by originator
BGN*13*10000301145101*20060918!	Transaction is a <b>Request</b> ; Unique id number for this transaction; transaction creation date
N1*SJ* <del>E</del> /MESCO NAME*1*845750011!	<del>E</del> /MESCO Name and DUNS number
N1*8S*UTILITY NAME*1*848068529!	Utility Name and DUNS number
LIN*ABC001*SH*GAS*SH*CE!	Unique transaction reference number, change pertains to gas services
ASI*7*001!	Action is a Change Request
REF*TD*REF65!	Change Reason Code – Change in Meter Cycle Code
REF*12*3754464703!	Utility Account Number
REF*65*15*MON!	New Meter Cycle Code and Frequency
DTM*007*20061015!	Effective Date of Change
LIN*ABC002*SH*GAS*SH*CE!	2 <sup>nd</sup> LIN Request
ASI*7*001!	Action is a Change Request
REF*TD*REFBF!	Change Reason - Change in Bill Cycle Code
REF*12*3754464703!	Utility Account Number
REF*BF*15*MON!	New Bill Cycle Code and Frequency
DTM*007*20061015!	Effective Date of Change
LIN*ABC003*SH*GAS*SH*CE!	3 <sup>rd</sup> LIN Request
ASI*7*001!	Action is a Change Request
REF*12*3754464703!	Utility Account Number
DTM*007*20061015!	Effective Date of Change
NM1*MX*3*****32*00926770!	Start of Meter Attribute Change Loop; New Meter Number
REF*TD*NM1MX!	Change Reason - Meter Exchange
REF*TD*REFMT!	Change Reason – Change in measurement type
REF*TD*REFNH!	Change Reason – Change in Utility Rate Service Class
REF*46*000527469!	Meter Number for the meter that was removed
REF*NH*170!	New Rate Service Class
REF*MT*HHMON!	New Measurement Type
SE*28*0005!	Transaction Set trailer; segment count; control number

**Scenario 3B: E/MESCO Response to Meter Exchange Request**

ST*814*0006!	Transaction Set header; transaction defined is an <b>814</b> ; control number assigned by originator
BGN*11*10000402072435*20060920***10000301145101!	Transaction is a <b>Response</b> ; Unique id number for this transaction; transaction creation date; BGN02 from Request transaction
N1*SJ* <u>E/MESCO</u> NAME*1*845750011!	<u>E/MESCO</u> Name and DUNS number
N1*8S*UTILITY NAME*1*848068529!	Utility Name and DUNS number
LIN*ABC001*SH*GAS*SH*CE!	Unique transaction reference number for the request, response pertains to gas services
ASI*WQ*001!	Accept Request
REF*12*3754464703!	Utility Account Number
LIN*ABC002*SH*GAS*SH*CE!	2 <sup>nd</sup> LIN Request
ASI*WQ*001!	Accept Request
REF*12*3754464703!	Utility Account Number
LIN*ABC003*SH*GAS*SH*CE!	3 <sup>rd</sup> LIN Request
ASI*WQ*001!	Accept Request
REF*12*3754464703!	Utility Account Number
SE*14*0006!	Transaction Set trailer; segment count; control number

**Scenario 4A: ~~E/MESCO~~ Request: Change Bill Option from Dual to Utility Rate Ready Consolidated**

ST*814*0001!	Transaction Set header; transaction defined is an <b>814</b> ; control number assigned by originator
BGN*13*20060918058*20060918!	Transaction is a <b>Request</b> ; Unique id number for this transaction; transaction creation date
N1*SJ* <del>E/MESCO</del> NAME*1*845750011!	<del>E/MESCO</del> Name & DUNS number
N1*8S*UTILITY NAME*1*006994708!	Utility Name & DUNS number
N1*8R*HICKORY VILLAGE!	<del>E/MESCO</del> Customer Name
LIN*20060918A051*SH*GAS*SH*CE!	Unique transaction reference number, change pertains to gas service
ASI*7*001!	Action is a Change Request
REF*TD*REFBLT!	Change Reason Code – Change Bill Presenter
REF*11*A12345009Z!	<del>E/MESCO</del> Account Number for the Customer
REF*12*5219350004!	Utility Account Number for the Customer
REF*BLT*LDC!	New Bill Presenter is Utility
LIN*20060918A052*SH*GAS*SH*CE!	<b>2<sup>nd</sup> LIN Request</b>
ASI*7*001!	Action is a Change Request
REF*TD*REFPC!	Change Reason Code – Change Bill Calculator
REF*12*5219350004!	Utility Account Number for the Customer
REF*PC*LDC!	New Bill Calculator is Utility
LIN*20060918A053*SH*GAS*SH*CE!	<b>3<sup>rd</sup> LIN Request</b>
ASI*7*001!	Action is a Change Request
REF*TD*REFNR!	Change Reason Code – Change Budget Bill Status
REF*12*5219350004!	Utility Account Number for the Customer
REF*NR*Y!	Customer is on budget billing for senders charges
LIN*20060918A054*SH*GAS*SH*CE!	<b>4<sup>th</sup> LIN Request</b>
ASI*7*001!	Action is a Change Request
REF*12*5219350004!	Utility Account Number
REF*TD*AMT9M!	Change Reason Code – Change Customers Tax Rate for <del>E/MESCO</del> Charges
AMT*9M*.045!	Tax Rate Used to Calculate Taxes Applicable to <del>E/MESCO</del> Charges
LIN*20060918A055*SH*GAS*SH*CE!	<b>5<sup>th</sup> LIN Request</b>
ASI*7*001!	Action is a Change Request
REF*12*5219350004!	Utility Account Number
NM1*MQ*3*****93*ALL!	Start of Meter Attribute Change Loop; Change pertains to all existing meters on this account
REF*TD*REFRB!	Change Reason Code – Change <del>E/MESCO</del> Rate Code
REF*RB*R23X40!	New <del>E/MESCO</del> Rate Code
SE*33*0001!	Transaction Set trailer; segment count; control number



**4. B. Utility Response – Accept Change in Bill Presenter, Bill Calculator, Tax Rate & ~~E/MESCO~~ Rate Code;  
Reject Budget Bill Change**

ST*814*0002!	Transaction Set header; transaction defined is an <b>814</b> ; control number assigned by originator
BGN*11*10000402072434*20060920***20060918058!	Transaction is a <b>Response</b> ; Unique id number for this transaction; transaction creation date; BGN02 from Request transaction
N1*SJ* <del>E/MESCO</del> NAME*1*845750011!	<del>E/MESCO</del> Name and DUNS number
N1*8S*UTILITY NAME*1*006994708!	Utility Name and DUNS number
LIN*20060918A051*SH*GAS*SH*CE!	Unique transaction reference number for the request, response pertains to gas service
ASI*WQ*001!	Accept Change Request
REF*TD*REFBLT!	Echo Back Reason for Change – Change Bill Presenter
REF*11*A12345009Z!	<del>E/MESCO</del> Account Number for the Customer
REF*12*5219350004!	Utility Account Number for the Customer
DTM*007*20061008!	Effective Date of Change
LIN*20060918A052*SH*GAS*SH*CE!	<b>2<sup>nd</sup> LIN Response</b>
ASI*WQ*001!	Accept Change Request
REF*TD*REFPC!	Echo Back Reason for Change – Change Bill Calculator
REF*12*5219350004!	Utility Account Number for the Customer
DTM*007*20061008!	Effective Date of Change
LIN*20060918A053*SH*GAS*SH*CE!	<b>3<sup>rd</sup> LIN Response</b>
ASI*U*001!	Reject Change Request
REF*7G*A13*BUDGET BILL NOT OFFERED!	Reason Request was Rejected
REF*TD*REFNR!	Echo Back Reason for Change – Change Budget Billing Status
REF*12*5219350004!	Utility Account Number for the Customer
LIN*20060918A054*SH*GAS*SH*CE!	<b>4<sup>th</sup> LIN Response</b>
ASI*WQ*001!	Accept Change Request
REF*12*5219350004!	Utility Account Number for the Customer
DTM*007*20061008!	Effective Date of Change
AMT*9M*.045!	Echo Back Reason for Change – Change Customer's Tax Rate for <del>E/MESCO</del> Charges
LIN*20060918A055*SH*GAS*SH*CE!	<b>5<sup>th</sup> LIN Response</b>
ASI*WQ*001!	Accept Change Request
REF*12*5219350004!	Utility Account Number for the Customer
DTM*007*20061008!	Effective Date of Change
NM1*MQ*3*****93*ALL!	Start of Meter Attribute Change Loop; Change pertains to all existing meters on this account
REF*TD*REFRB!	Echo Back Change Reason – <del>E/MESCO</del> Rate Code
REF*RB*R23X40!	Echo Back <del>E/MESCO</del> Rate Code
SE*33*0002!	Transaction Set trailer; segment count; control number

**Scenario 5A: E/MESCO Change Request: Change E/MESCO Commodity Price & Fixed Charge  
Effective Date is Mid-cycle**

ST*814*0003!	Transaction Set header; transaction defined is an <b>814</b> ; control number assigned by originator
BGN*13*40000301145101*20060918!	Transaction is a <b>Request</b> ; Unique id number for this transaction; transaction creation date
N1*SJ* <u>E/MESCO</u> NAME*1*845750011!	<u>E/MESCO</u> Name & DUNS number
N1*8S*UTILITY NAME*1*006994708!	Utility Name & DUNS number
LIN*AACCDD01004A*SH*EL*SH*CE!	Unique transaction reference number, change pertains to electric service
ASI*7*001!	Action is a Change Request
REF*TD*AMTRJ!	Change Reason Code – Change <u>E/MESCO</u> Commodity Price
REF*11*A12345009Z!	<u>E/MESCO</u> Account Number for the Customer
REF*12*5219350004!	Utility Account Number for the Customer
DTM*007*20061001!	Effective Date is Mid-Cycle
AMT*RJ*.018!	New <u>E/MESCO</u> Commodity Price
LIN*AACCDD01005A*SH*EL*SH*CE!	<b>2<sup>nd</sup> LIN Request</b>
ASI*7*001!	Action is a Change Request
REF*TD*AMTFW!	Change Reason Code – Change <u>E/MESCO</u> Fixed Charge
REF*11*A12345009Z!	<u>E/MESCO</u> Account Number for the Customer
REF*12*5219350004!	Utility Account Number for the Customer
DTM*007*20061001!	Effective Date is Mid-Cycle
AMT*FW*2.25!	New Fixed Charge Amount
SE*19*0003!	Transaction Set trailer; segment count; control number

**Scenario 5B: a. Utility Response: Accept Change in Commodity Price & Fixed Charge;  
Set New Effective Date**

ST*814*0004!	Transaction Set header; transaction defined is an <b>814</b> ; control number assigned by originator
BGN*11*0123456*20060920***40000301145101!	Transaction is a <b>Response</b> ; Unique id number for this transaction; transaction creation date; BGN02 from Request transaction
N1*SJ* <u>E/MESCO</u> NAME*1*845750011!	<u>E/MESCO</u> Name and DUNS number
N1*8S*UTILITY NAME*1*006994708!	Utility Name & DUNS number
LIN*AACCDD01004A*SH*EL*SH*CE!	Unique transaction reference number for the request, response pertains to electric service
ASI*WQ*001!	Accept Change Request
REF*TD*AMTRJ!	Echo back Reason for Change – Change in <u>E/MESCO</u> Commodity Price
REF*11*A12345009Z!	<u>E/MESCO</u> Account Number for the Customer
REF*12*5219350004!	Utility Account Number for the Customer
DTM*007*20061008!	New Effective Date for Change
AMT*RJ*.018!	Echo back Commodity Price Amount
LIN*AACCDD01005A*SH*EL*SH*CE!	Response to 2 <sup>nd</sup> LIN Request
ASI*WQ*001!	Accept Change Request
REF*TD*AMTFW!	Echo back Reason for Change – Change in <u>E/MESCO</u> Fixed Charge
REF*11*A12345009Z!	<u>E/MESCO</u> Account Number for the Customer
REF*12*5219350004!	Utility Account Number for the Customer
DTM*007*20061008!	New Effective Date for Change
AMT*FW*2.25!	Echo back Fixed Charge Amount

SE*19*0004!	Transaction Set trailer; segment count; control number
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**Scenario 5B: b. Utility Response: Reject Change Requests  
Will Not Process Off-Cycle Changes**

ST*814*0005!	Transaction Set header; transaction defined is an <b>814</b> ; control number assigned by originator
BGN*11*9797900*20060920***40000301145101!	Transaction is a <b>Response</b> ; Unique id number for this transaction; transaction creation date; BGN02 from Request transaction
N1*SJ* <del>E</del> /MESCO NAME*1*845750011!	<del>E</del> /MESCO Name and DUNS number
N1*8S*UTILITY NAME*1*006994708!	Utility Name & DUNS number
LIN*AACCDD01004A*SH*EL*SH*CE!	Unique transaction reference number for the request, response pertains to electric service
ASI*U*001!	Reject Change Request
REF*7G*A13*OFF CYCLE CHG NOT ALLOWED!	Reject Reason Code & Supplemental text indicating reason for rejection
REF*TD*AMTRJ!	Echo back Reason for Change – Change in <del>E</del> /MESCO Commodity Price
REF*11*A12345009Z!	<del>E</del> /MESCO Account Number for the Customer
REF*12*5219350004!	Utility Account Number for the Customer
LIN*AACCDD01005A*SH*EL*SH*CE!	Response to 2 <sup>nd</sup> LIN Request
ASI*7*001!	Reject Change Request
REF*7G*A13*OFF CYCLE CHG NOT ALLOWED!	Reject Reason Code & Supplemental text indicating reason for rejection
REF*TD*AMTFW!	Echo back Reason for Change – Change in <del>E</del> /MESCO Fixed Charge
REF*11*A12345009Z!	<del>E</del> /MESCO Account Number for the Customer
REF*12*5219350004!	Utility Account Number for the Customer
SE*17*0005!	Transaction Set trailer; segment count; control number

**Scenario 6: Utility Change Request: Change Customer Account Number; Change Meter Cycle;  
Change Bill Cycle on a Combination Account**

**Gas Account:**

ST*814*0006!	Transaction Set header; transaction defined is an <b>814</b> ; control number assigned by originator
BGN*13*200609180001*20060918!	Transaction is a <b>Request</b> ; Unique id number for this transaction; transaction creation date
N1*SJ* <del>E</del> /MESCO NAME*1*845750011!	<del>E</del> /MESCO Name and DUNS number
N1*8S*UTILITY NAME*1*006977763!	Utility Name and DUNS number
N1*8R*WALLMART #56!	Customer Name
N3*21 VERNETH DRIVE!	Customer Service Address – Street
N4*BINGHAMTON*NY*13901!	Customer Service Address – City, State, Postal Code
LIN*00101*SH*GAS*SH*CE!	Unique transaction reference number, change pertains to gas services
ASI*7*001!	Action is a Change Request
REF*TD*REF12!	Change Reason Code – Change in Utility Account Number
REF*11*A1234009Z!	<del>E</del> /MESCO Account Number for the Customer
REF*12*158103080400027!	New Utility Account Number for Customer
REF*45*158100980400027!	Old Utility Account Number for Customer
DTM*007*20060918!	Effective Date of Change
LIN*00102*SH*GAS*SH*CE!	<b>2<sup>nd</sup> LIN Request</b>
ASI*7*001!	Action is a Change Request
REF*TD*REF65!	Change Reason Code – Change Meter Cycle Code & Frequency
REF*11*A1234009Z!	<del>E</del> /MESCO Account Number for the Customer
REF*12*158103080400027!	New Utility Account Number for the Customer
REF*65*15*MON!	Meter Cycle Code & Frequency
DTM*007*20060918!	Effective Date of Change
LIN*00103*SH*GAS*SH*CE!	<b>3<sup>rd</sup> LIN Request</b>
ASI*7*001!	Action is a Change Request
REF*TD*REFBF!	Change Reason Code – Change Bill Cycle Code & Frequency
REF*11*A1234009Z!	<del>E</del> /MESCO Account Number for the customer
REF*12*158103080400027!	New Utility Account Number for the customer
REF*BF*15*MON!	Bill Cycle Code & Frequency
DTM*007*20060918!	Effective Date of Change
SE*29*0006!	Transaction Set trailer; segment count; control number

**Electric Account:**

ST*814*0007!	Transaction Set header; transaction defined is an <b>814</b> ; control number assigned by originator
BGN*13*200609180002*20060918!	Transaction is a <b>Request</b> ; Unique id number for this transaction; transaction creation date
N1*SJ* <del>E/MESCO</del> NAME*1*845750011!	<del>E/MESCO</del> Name and DUNS number
N1*8S*UTILITY NAME*1*006977763!	Utility Name and DUNS number
N1*8R*WALLMART #56!	Customer Name
N3*21 VERNETH DRIVE!	Customer Service Address – Street
N4*BINGHAMTON*NY*13901!	Customer Service Address – City, State, Postal Code
LIN*00104*SH*EL*SH*CE!	Unique transaction reference number, change pertains to electric service
ASI*7*001!	Action is a Change Request
REF*TD*REF12!	Change Reason Code – Change in Utility Account Number
REF*11*A1234009Z!	<del>E/MESCO</del> Account Number for the Customer
REF*12*158103080400027!	New Utility Account Number for Customer
REF*45*158100980400027!	Old Utility Account Number for Customer
DTM*007*20060918!	Effective Date of Change
LIN*00105*SH*EL*SH*CE!	2 <sup>nd</sup> LIN Request
ASI*7*001!	Action is a Change Request
REF*TD*REF65!	Change Reason Code – Change Meter Cycle Code & Frequency
REF*11*A1234009Z!	<del>E/MESCO</del> Account Number for the Customer
REF*12*158103080400027!	New Utility Account Number for Customer
REF*65*15*MON!	Meter Cycle Code & Frequency
DTM*007*20060918!	Effective Date of Change
LIN*00106*SH*EL*SH*CE!	3 <sup>rd</sup> LIN Request
ASI*7*001!	Action is a Change Request
REF*TD*REFBF!	Change Reason Code – Change Bill Cycle Code & Frequency
REF*11*A1234009Z!	<del>E/MESCO</del> Account Number for the Customer
REF*12*158103080400027!	New Utility Account Number for Customer
REF*BF*15*MON!	Bill Cycle Code & Frequency
DTM*007*20060918!	Effective Date of Change
<del>LIN*00107*SH*EL*SH*CE!</del>	<del>4th LIN Request</del>
<del>ASI*7*001!</del>	<del>Action is a Change Request</del>
<del>REF*TD*REFTX!</del>	<del>Change Reason Code – Utility Tax Exempt Status</del>
<del>REF*11*A1234009Z!</del>	<del>ESCO Account Number for the Customer</del>
<del>REF*12*158103080400027!</del>	<del>New Utility Account Number for Customer</del>
<del>REF*TX*Y!</del>	<del>Utility Tax Exempt Status</del>
<del>DTM*007*20060918!</del>	<del>Effective Date of Change</del>
SE*29*0006!	Transaction Set trailer; segment count; control number

### Scenario 7A: Utility Change Request – Add/Update Telephone Number

ST*814*0001!	Transaction Set header; transaction defined is an <b>814</b> ; control number assigned by originator
BGN*13*20060918001*20060918!	Transaction is a <b>Request</b> ; Unique id number for this transaction; transaction creation date
N1*SJ* <b>E/MESCO</b> NAME*1*625401997!	<b>E/MESCO</b> Name and DUNS number
N1*8S*CENTRAL HUDSON GAS & ELEC CORP*1*006993695!	Utility Name and DUNS number
N1*8R*JOHN SMITH!	Customer Name
PER*IC**TE*8455551111!	Customer Telephone Number
LIN*0099*SH*EL*SH*CE!	Unique transaction reference number, request pertains to electric services
ASI*7*001!	Action is a Change Request
REF*TD*PERIC!	Change Reason - Change in Customer Telephone Number
REF*12*6157324112!	Utility Account Number for Customer
DTM*007*20060918!	Effective Change Date
SE*12*0001!	Transaction Set trailer; segment count; control number

### Scenario 7B: **E/MESCO** Response to Change Telephone Number

ST*814*0083!	Transaction Set header; transaction defined is an <b>814</b> ; control number assigned by originator
BGN*11*00013415*20060920***20060918001!	Transaction is a <b>Response</b> ; Unique id number for this transaction; transaction creation date; BGN02 from Request transaction
N1*SJ* <b>E/MESCO</b> NAME*1*625401997!	<b>E/MESCO</b> Name and DUNS number
N1*8S*CENTRAL HUDSON GAS & ELEC CORP*1*006993695!	Utility Name and DUNS number
LIN*0099*SH*EL*SH*CE!	Unique transaction reference number, response pertains to electric services
ASI*WQ*001!	Accept Request
REF*TD*PERIC!	Echo Back Change Reason - Change in Customer Telephone Number
REF*12*6157324112!	Utility Account Number for Customer
SE*9*0083!	Transaction Set trailer; segment count; control number

### Scenario 8A: Utility Change Request – Change Service Period Start Date

ST*814*0001!	Transaction Set header; transaction defined is an <b>814</b> ; control number assigned by originator
BGN*13*20060705099*20060705!	Transaction is a <b>Request</b> ; Unique id number for this transaction; transaction creation date
N1*SJ* <del>E/MESCO</del> NAME*1*006817952!	<del>E/MESCO</del> Name and DUNS number
N1*8S*ORANGE & ROCKLAND*24*231234567!	Utility Name and DUNS number
LIN*9158*SH*EL*SH*CE!	Unique transaction reference number, request pertains to electric services
ASI*7*001!	Action is a Change Request
REF*12*0941235550!	Utility assigned account number for the customer
REF*TD*DTM150!	Change Reason – Change Service Period Start Date
DTM*150*20060721!	New Service Period Start Date
SE*10*0001!	Transaction Set trailer; segment count; control number

### Scenario 8B: ~~E/MESCO~~ Response to Change of Service Period Start Date

ST*814*0001!	Transaction Set header; transaction defined is an <b>814</b> ; control number assigned by originator
BGN*11*001266489*20060707***20060705099!	Transaction is a <b>Response</b> ; Unique id number for this transaction; transaction creation date; BGN02 from Request transaction
N1*SJ* <del>E/MESCO</del> NAME*1*006817952!	<del>E/MESCO</del> Name and DUNS number
N1*8S*ORANGE & ROCKLAND*24*231234567!	Utility Name and DUNS number
LIN*9158*SH*EL*SH*CE!	Unique transaction reference number, response pertains to electric services
ASI*WQ*001!	Accept Request
REF*12*0941235550!	Utility assigned account number for the customer
SE*8*0001!	Transaction Set trailer; segment count; control number

# Electronic Data Exchange Standards for Energy Deregulation in New York

**814 Change (Account  
Maintenance)**

**~~EDI 814~~ Data Dictionary**

**~~May 17, 2006~~October 23, 2014**  
Version 1.**45**



	<b>Summary of Changes</b>
<b>July 20, 2001</b>	<b>Initial Release</b>
<b>April 16, 2002</b>	<b>Version 1.1 Released</b>
	Implementation Guide (Changes Did Not Affect Data Dictionary)
<b>August 7, 2002</b>	<b>Version 1.2 Issued</b>
	<p>Inserted new REF*AJ segment (Utility Account Number for ESCO/Marketer)</p> <p>Modified the REF03 element note for the REF*65 segment to clarify the use attribute for this element.</p> <p>Renumbered lines and adjusted line references in the 'Comments' column.</p>
<b>March 17, 2004</b>	<b>Version 1.3 Issued</b>
	<p>Added AMT*9M and AMT*9N segments to enable ESCOs to transmit customer's tax rate information when the bill option requested is Utility Rate Ready consolidated billing and the Utility requires ESCOs to provide this data in an Enrollment transaction. When different tax rates are applicable to portions of the customers service it will be necessary to send both the AMT*9M (residential tax rate applicable to a portion of the service) and the AMT*9N segment (commercial tax rate applicable) when a REF*RP segment is present in a Request transaction.</p> <p>Coding for the REF*GC (Gas Capacity Assignment/Obligation) has been corrected (from Yes/No to Y/N) to be consistent with the coding for the same segment in the Enrollment Standard.</p> <p>Corrected the segment notes for the NM1 Loop to indicate that transmitting an NM1 Loop in a Response transaction is 'Optional' rather than "Not Used".</p>
<b>May 17, 2006</b>	<b>Version 1.4 Issued</b>
	<p>References to Niagara Mohawk or NMPC throughout the document are revised to refer to National Grid.</p> <p>References to RG&amp;E's use of the Single Retailer Model have been deleted. This model is no longer offered in Rochester's service territory.</p> <p>A PER segment is added to the N1 (Customer) Loop (N101=8R) to enable parties to communicate changes in a <del>customers</del>customer's telephone number where the telephone number was initially sent in an Enrollment Accept Response transaction in an N1 (Customer) Loop.</p> <p>The N1*8R (Customer) segment note is revised to reflect the addition of a PER segment in the N1 (Customer) Loop.</p> <p>The REF*11 (ESCO/Marketer Customer Account Number) segment note is changed to indicate that this segment must be sent when the Utility is the bill presenter and there is a change in the account number.</p>

	<p><b>Version 1.4 Continued</b></p> <p>A REF03 element is added to the REF*12 segment (Utility Account Number) for use in Change Requests sent to, or received from, Orange &amp; Rockland Utilities when the reported change pertains to the un-metered portion of a <del>customers</del><u>customer's</u> electric service when both metered and un-metered service are present on the same account.</p> <p>The REF*AJ (Utility Assigned Account Number for ESCO/Marketer) segment note is revised to indicate that this segment is Not Used in a Response transaction.</p> <p>A REF*LF (E/M Late Fees) segment is added at the account level to enable E/Ms to communicate a change in late fee policies for customers receiving a Rate Ready consolidated bill from National Fuel Gas.</p> <p>An- AMT*B5 (E/M Budget Plan Installment Amount) segment is added for use in National Fuel Gas service territory. The AMT*B5 segment is used in that service territory to communicate a change in the customers budget plan installment amount for E/M charges when the bill option is Rate Ready consolidated billing and the payment option is Pay-As-You-Get-Paid.</p> <p>Additional codes were added to the REF*TD (Reason for Change – Account Level) segment to accommodate the new segments (PERIC, REFLF and AMTB5).</p> <p>The segment notes for the LIN and REF*TD segments were revised to clarify the number of changes that may be sent in a LIN Loop at the Header and Detail levels.</p> <p>The REF*RB (ESCO Rate Code) segment notes and use attribute are revised to indicate that this segment may be echoed back in transactions responding to requests for rate code changes for an ESCO Referral Program account. Renumbered lines and adjusted line references in the 'Comments' column.</p>
<b>October 23, 2014</b>	<p><b>Version 1.5</b></p> <p><u>Utility specific notes are generalized, as appropriate, and designated for relocation to/reference within Utility Maintained EDI Guides, as necessary.</u></p> <p><u>Replaced references to Marketer and E/M with ESCO.</u></p> <p><u>New Change Reason Codes added at the account level and new segments from Case No. 12-M-0476:</u></p> <p><u>REFIJ – Change Industrial Classification Code</u></p> <p><u>REFSG – Change Utility Discount Indicator</u></p> <p><u>REFTDT – Change Account Settlement Indicator</u></p> <p><u>REFTX – Change Tax Exempt Status</u></p> <p><u>REFYP – Change NYPA Discount Indicator</u></p> <p><u>DTM*AB2 (ICAP Effective Dates)</u></p>

		<b><u>Version 1.5 Continued</u></b>
		<u>Adding AMT03 field to the AMT*KZ segment to accommodate the ICAP Special Program Indicator Code.</u>

Row No	NY DD Field Name	Loop ID	Segment	Level	Position	Ref Desc	Name	Description	Code	Data Type	Request	Response	Comments
1	Transaction Set Header	None	ST	HDR	010	01	Transaction Set Identifier Code	Indicates Type of transaction	814	ID(3/3)	Required	Required	
2	Transaction Set Header	None	ST	HDR	010	02	Transaction Set Control Number	Unique number generated by senders system	ID#	AN(4/9)	Required	Required	
3	Beginning Segment	None	BGN	HDR	020	01	Transaction Set Purpose Code	Purpose of transaction	Request =13 Response =11	ID(2/2)	Required	Required	
4	Beginning Segment	None	BGN	HDR	020	02	Reference Identification	Unique and permanent ID for this transaction	ID#	AN(1/30)	Required	Required	
5	Beginning Segment	None	BGN	HDR	020	03	Date	Date transaction was created in senders system	CCYYMMDD	DT(8/8)	Required	Required	
6	Beginning Segment	None	BGN	HDR	020	06	Reference Identification	If BGN01=11, this element is the BGN02 from the original transaction	ID#	AN(1/30)	Not Used	Conditional	This element is required on Response transactions.
7	Name (ESCO/Mark-eter)	N1 Loop	N1	HDR	040	01	Entity Identifier Code	Code identifying the E/MESCO in this transaction	SJ	ID(2/3)	Required	Required	
8	Name (ESCO/Mark-eter)	N1 Loop	N1	HDR	040	02	Name	Literal name of the E/MESCO	free form text	AN(1/60)	Optional	Optional	E/MESCO name is not necessary but may be provided by mutual agreement of the trading partners.
9	Name (ESCO/Mark-eter)	N1 Loop	N1	HDR	040	03	Identification Code Qualifier	Indicates type of ID number that will be sent in the N104 element of this segment	1=DUNS # 9=DUNS#4 24=Federal Tax ID	ID(1/2)	Required	Required	
10	Name (ESCO/Mark-eter)	N1 Loop	N1	HDR	040	04	Identification Code	ID number for E/MESCO	ID#	AN(2/80)	Required	Required	
11	Name (Utility)	N1 Loop	N1	HDR	040	01	Entity Identifier Code	Code identifying the utility in this transaction	8S	ID(2/3)	Required	Required	
12	Name (Utility)	N1 Loop	N1	HDR	040	02	Name	Literal name of the Utility in this transaction	free form text	AN(1/60)	Optional	Optional	Utility name is not necessary but may be provided by mutual agreement of the trading partners.
13	Name (Utility)	N1 Loop	N1	HDR	040	03	Identification Code Qualifier	Indicates type of ID number that will be sent in the N104 element of this segment	1=DUNS # 9=DUNS#4 24=Federal Tax ID	ID(1/2)	Required	Required	
14	Name (Utility)	N1 Loop	N1	HDR	040	04	Identification Code	ID number for Utility	ID#	AN(2/80)	Required	Required	
15	Name (Customer)	N1 Loop	N1	HDR	040	01	Entity Identifier Code	Code identifying the customer in this transaction	8R	ID(2/3)	Conditional	Not used	This segment must be sent in a Request when a change in customer name (Utility or E/MESCO) or service address (Utility) or customer telephone number (Utility or

Row No	NY DD Field Name	Loop ID	Segment	Level	Position	Ref Desc	Name	Description	Code	Data Type	Request	Response	Comments
													<u>E/MESCO</u> is being reported.
16	Name (Customer)	N1 Loop	N1	HDR	040	02	Name	Literal name of the customer in this transaction	Text or the literal "NAME"	AN(1/60)	Required	Not used	When an N1*8R segment is sent, this element is required. When the Utility reports a service address change, the Request transaction must contain either the actual customer name or the literal 'NAME' in the N102 element of this segment. If either the Utility or <u>E/MESCO</u> is reporting a change in the customer's name the N102 element must contain the new name.
17	Address Information (Service Address)	N1 Loop	N3	HDR	060	01	Address Information	Customer Service Address - Street	Text	AN(1/55)	Conditional	Not used	The N3 segment is sent when the Utility is reporting a change in the customer service address - street.
18	Address Information (Service Address)	N1 Loop	N3	HDR	060	02	Address Information (overflow)	If N301 exceeds 55 characters, the overflow is sent in N302	Text	AN(1/55)	Conditional	Not used	When a change in customer service address - street is being reported this element is used for the overflow when the street address exceeds 55 characters.
19	Geographic Location (Service Address)	N1 Loop	N4	HDR	070	01	City Name	Customer Service Address - City Name	Text	AN(2/30)	Conditional	Not used	This segment must be sent when the Utility is reporting a change in service address.
20	Geographic Location (Service Address)	N1 Loop	N4	HDR	070	02	State or Province Code	Customer Address - State Name	Text	ID(2/2)	Required	Not used	<u>See Note on Line 19.</u> When an N4 segment is being sent, this element is required.
21	Geographic Location (Service Address)	N1 Loop	N4	HDR	070	03	Postal Code	Customer Address- zipcode	Text	ID(3/15)	Required	Not used	<u>See Note on Line 19.</u> When an N4 segment is being sent, this element is required.
22	Administrative Communications Contact (Customer Phone number)	N1 Loop	PER	HDR	080	01	Contact Function Code	Code indicating customer's phone number will be transmitted.	IC	ID(2/2)	Conditional	Not used	This segment may be sent by either the Utility or <u>E/MESCO</u> to provide, or to update, a customer's phone number. If the phone contact information was initially provided in an N1 (Customer) Loop (an N1*8R segment) then the change should be reported in the same Loop in a Change Request transaction. An N1*8R segment must be present in addition to the PER segment for this change.
23	Administrative	N1	PER	HDR	080	02		Code indicating	TE	ID(2/2)	Required	Not used	When a PER segment is being sent,

Row No	NY DD Field Name	Loop ID	Segment	Level	Position	Ref Desc	Name	Description	Code	Data Type	Request	Response	Comments
	e Communications Contact (Customer Phone number)	Loop						telephone communication					this element is required.
24	Administrative Communications Contact (Customer Phone number)	N1 Loop	PER	HDR	080	04	Communications or NumberCom munications Identifier	Customer's phone number; area code + 7 digit number (xxxxxyzzzz)	xxxxxyzzzz		Required		When a PER segment is being sent, this element is required.
25	Name (Name for Mailing )	N1 Loop	N1	HDR	040	01	Entity Identifier Code	Code indicating that the address information in N3/N4 is the customer's mailing address for billing	BT	ID(2/3)	Conditional	Not used	This segment must be sent by either the Utility or the <b>E/MESCO</b> when the customer receives a consolidated bill and the name associated with the mailing address and/or the mailing address has changed. This segment must also be sent by <b>E/MESCO</b> to report a change in the customer's telephone number.
26	Name (Name for Mailing )	N1 Loop	N1	HDR	040	02	Name	Name associated with the mailing address	Text or the literal 'NAME'	AN(1/60)	Required	Not used	When an N1*BT segment is being sent, this element is required. When a change in the name associated with the billing address is being reported, this element should contain the new name. If the name for mailing is unchanged but a new address is being reported, this element may contain either the -actual name associated with the mailing address or the literal "NAME" at the discretion of the sender.
27	Address Information (Mailing Address )	N1 Loop	N3	HDR	060	01	Address Information	Customer's mailing address - Street.	Text	AN(1/55)	Conditional	Not used	<b>See Notes on lines 25-26.</b> Refer to the implementation guide for the conditions associated with the N3 segment. This element may contain additional data when NFG is the initiator of the Request transaction.
28	Address Information (Mailing Address )	N1 Loop	N3	HDR	060	02	Address Information	If N301 exceeds 55 characters, the overflow is sent in N302	Text	AN(1/55)	Conditional	Not used	<b>See Notes on lines 25-26.</b> Refer to the implementation guide for the conditions associated with the N3 segment. The N302 element may be required if the mailing address - street exceeds 55 characters. This element may contain additional data when <b>NFGa utility that elects the practice in</b>

Row No	NY DD Field Name	Loop ID	Segment	Level	Position	Ref Desc	Name	Description	Code	Data Type	Request	Response	Comments
													its Utility Maintained EDI Guide is the initiator of the Request transaction.
	Geographic Location (Mailing Address )	N1 Loop	N4	HDR	070	01	City Name	Customer Mailing Address - City Name	Text	AN(2/30)	Conditional	Not used	See Notes on lines 25-26. Refer to the implementation guide for the conditions associated with the N4 segment.
30	Geographic Location (Mailing Address )	N1 Loop	N4	HDR	070	02	State or Province Code	Customer Mailing Address - State Name	Text	ID(2/2)	Conditional	Not used	See Notes on lines 25-26. Refer to the implementation guide for the conditions associated with the N4 segment and the conditions associated with the N402 element.
31	Geographic Location (Mailing Address )	N1 Loop	N4	HDR	070	03	Postal Code	Customer Mailing Address - zip code	Text	ID(3/15)	Conditional	Not used	See Notes on lines 25-26. Refer to the implementation guide for the conditions associated with the N4 segment and the conditions associated with the N403 element.
32	Administrative Communications Contact (Customer Phone number)	N1 Loop	PER	HDR	080	01	Contact Function Code	Code indicating customer's phone number will be transmitted.	IC	ID(2/2)	Conditional	Not used	This segment should be sent by the E/MESCO in conjunction with an N1*BT segment when there has been a change in the customer's telephone number.
33	Administrative Communications Contact (Customer Phone number)	N1 Loop	PER	HDR	080	03	Communication Number Qualifier	Code indicating telephone communication	TE	ID(2/2)	Required	Not used	See Note on line 32. When a PER*IC segment is sent, this element is required.
34	Administrative Communications Contact	N1 Loop	PER	HDR	080	04	Communication Number	Customer's phone number; area code + 7 digit number (xxxxyyzzzz)	xxxxyyzzzz	AN(1/80)	Required	Not used	See Note on line 32. When a PER*IC segment is sent, this element is required.

Row No	NY DD Field Name	Loop ID	Segment	Level	Position	Ref Desc	Name	Description	Code	Data Type	Request	Response	Comments
	(Customer Phone number)												
35	Item Identification	LIN Loop	LIN	DTL	010	01	Assigned Identification	Unique identifier assigned to this LIN request	Unique ID for each LIN request generated by the sender	AN(1/20)	Required	Required	All segments in a Change Request or Response transaction must pertain to the same account number and commodity (electric or gas). A single Change transaction may be used to request or respond to multiple changes on an account for the commodity specified. It is necessary to transmit each change segment in the header section in a separate LIN loop; changes at the NM1 (Detail level) may be grouped by meter number or ALL or Un-Metered in one LIN loop. The LIN01 identifier identifying the response to a request must be the same identifier sent in the request transaction (refer to sample transactions in the IG). For more detailed instructions regarding LIN looping structure please refer to the Front Matter notes in the 814 Change Implementation Guide.
36	Item Identification	LIN Loop	LIN	DTL	010	02	Product/Service ID Qualifier	Indicates a service is being requested	SH	ID(2/2)	Required	Required	
37	Item Identification	LIN Loop	LIN	DTL	010	03	Product/Service ID	Commodity Type	EL or GAS	AN(1/48)	Required	Required	Only one commodity (Electric or Gas) may be reported in each 814 Change transaction.
38	Item Identification	LIN Loop	LIN	DTL	010	04	Product/Service ID Qualifier	Indicates a service is being requested	SH	ID(2/2)	Required	Required	
39	Item Identification	LIN Loop	LIN	DTL	010	05	Product/Service ID	Indicates the change reported pertains to the enrollment for energy services.	CE	AN(1/48)	Required	Required	The CE code is generally associated with enrollment for energy services. The ASI02 element (line 38 below) contains the code (001) indicating this is a Change transaction.
40	Action or Status Indicator	LIN Loop	ASI	DTL	020	01	Action Code	Code indicating the action or status of the LIN request.	7=Request U=Reject WQ=Accept	ID(1/2)	Required	Required	
41	Action or Status Indicator	LIN Loop	ASI	DTL	020	02	Maintenance Type Code	Code indicating that this 814 transaction is a Change transaction.	001=Change	ID(3/3)	Required	Required	
42	Reference	LIN	REF	DTL	030	01	Reference	Code indicating that	7G	ID(2/3)	Not Used	Conditional	This segment is used on Reject



Row No	NY DD Field Name	Loop ID	Segment	Level	Position	Ref Desc	Name	Description	Code	Data Type	Request	Response	Comments
	Identification (Reject Response Reasons)	Loop					Identification Qualifier	REF02 contains a reject reason					Response transactions to indicate the reason a change request has been rejected.
43	Reference Identification (Reject Response Reasons)	LIN Loop	REF	DTL	030	02	Reference Identification	Code corresponding to the reason for a rejection	A13, A76, A91, API, C11, FRB, FRC, M76, W05	AN(1/30)	Not Used	Required	<u>See Note on line 42.</u> —When a REF*7G segment is sent, this element is required. Refer to the IG for code definitions.
44	Reference Identification (Reject Response Reasons)	LIN Loop	REF	DTL	030	03	Reference Identification	Text supplied to provide further clarification when REF02 = A13 or API	Text	AN(1/80)	Not Used	Conditional	<u>See Note on line 42.</u> —When REF02 in this segment is A13 (Other) or API (Required Information Missing) this element is required to clarify the reason for the rejection.
45	Reference Identification (Reason for Change - Account Level)	LIN Loop	REF	DTL	030	01	Reference Identification Qualifier	Reason for change	TD	ID(2/3)	Conditional	Optional	The REF*TD segments contain codes that identify the data segment(s) that contain the data that has, or will be, changed. The first occurrence of the REF*TD (at position 030) is used to identify the data segment(s) at the account level that are being changed. The REF*TD -at position 130 is used to identify -the data segment(s) at the meter level that are being changed ( <u>see line 107</u> ).—The REF*TD segments may be echoed back on Response transactions at the option of the sender.
46	Reference Identification (Reason for Change - Account Level)	LIN Loop	REF	DTL	030	02	Reference Identification	Code which describes the change identified in the LIN loop.	see list of codes in IG	AN(1/30)	Required	<u>Optional Required</u>	<u>See Notes on line 45. Required when a REF*TD segment is sent.</u> The first portion of the code identifies the segment (e.g. AMT, DTM, N1, REF, etc.) that contains the data that has been, or will be, changed. The remaining portion of the code identifies the relevant code qualifier (e.g. for AMT segments the qualifiers would be "DP", "FW", etc.) for the data that has been changed. The changed data will be sent in the appropriate element of the identified segment. See Implementation Guide for examples.
47	Reference	LIN	REF	DTL	030	01	Reference	Code indicating that	11	ID(2/3)	Conditional	Conditional	This segment must be sent by the

Row No	NY DD Field Name	Loop ID	Segment	Level	Position	Ref Desc	Name	Description	Code	Data Type	Request	Response	Comments
	Identification (ESCO/ <del>Mark</del> <del>eter</del> Customer Account Number)	Loop					Identification Qualifier	the REF02 element contains the <del>E/MESCO</del> assigned account number for the customer			al		<del>E/MESCO</del> when the Utility is the bill presenter and the <del>E/MESCO</del> account number for the customer is being changed. This segment may be echoed back in a Response transaction at the option of the Utility.
48	Reference Identification (ESCO/ <del>Mark</del> <del>eter</del> Customer Account Number)	LIN Loop	REF	DTL	030	02	Reference Identification	Customer's account number	Account #	AN(1/30)	Required	<del>Not used</del> <del>Required</del>	<del>See Line 47.</del> —When a REF*11 is being sent this element is required. This is the new account number for the customer assigned by the <del>E/MESCO</del> .
49	Reference Identification (Utility Account Number)	LIN Loop	REF	DTL	030	01	Reference Identification Qualifier	Code indicating that the REF02 element contains the Utility assigned account number for the customer	12	ID(2/3)	Required	Required	The Utility account number assigned to the customer is used for validation and must be present on all transactions. The Utility is required to report a change in the customer's account number. The new/current account number is sent in the REF*12 segment of the Request transaction and the prior account number is sent in the REF*45 segment (see line 52). The Response transaction must contain the new account number in the REF*12 segment.
50	Reference Identification (Utility Account Number)	LIN Loop	REF	DTL	030	02	Reference Identification	Customer's account number	Account #	AN(1/30)	Required	Required	<del>See Line 46.</del> —When a REF*12 is sent, this element is required.
51	Reference Identification (Utility Account Number)	LIN Loop	REF	DTL	030	03	Description	Un-metered service designator (electric accounts only)	U	AN(1/80)	Conditional	Conditional	<del>This</del> For utilities that support the practice of responding to requests pertaining specifically to the un-metered portion of accounts, this element is only sent in Requests to, or provided in Responses from, <del>O&amp;R</del> the utility when the change being reported pertains to the un-metered service on an electric account that includes both metered and un-metered service. When the Request pertains to all service on an electric account this element is not used. The <del>O&amp;R</del> Response transaction will contain this element if present in the Request transaction.
52	Reference Identification (Previous Utility Account Number)	LIN Loop	REF	DTL	030	01	Reference Identification Qualifier	Code indicating that REF02 contains the Utility's previous account number for the customer	45	ID(2/3)	Conditional	Not used	This segment must be sent by the Utility when a customer's account number has changed.

Row No	NY DD Field Name	Loop ID	Segment	Level	Position	Ref Desc	Name	Description	Code	Data Type	Request	Response	Comments
53	Reference Identification (Previous Utility Account Number)	LIN Loop	REF	DTL	030	02	Reference Identification	Customer's old account number	Account #	AN(1/30)	Required	Not used	<del>See Line 52.</del> When a REF*45 segment is sent, this element is required.
54	Reference Identification (Utility Account Number for ESCO/Market er)	LIN Loop	REF	DTL	030	01	Reference Identification Qualifier	Code indicating that REF02 contains a Utility assigned account number for the ESCO/Marketer.	AJ	ID(2/3)	Conditional	Conditional	An account number assigned to the ESCO/Marketer by the Utility may be provided by mutual agreement of the trading partners.
55	Reference Identification (Utility Account Number for ESCO/Market er)	LIN Loop	REF	DTL	030	02	Reference Identification	Utility account number for the ESCO/Marketer	Account #	AN(1/30)	Required	Required	When a REF*AJ is being sent, this element is required.
56	Reference Identification (Meter Cycle Code)	LIN Loop	REF	DTL	030	01	Reference Identification Qualifier	Code indicating that REF02 contains the meter cycle code for the account being enrolled.	65	ID(2/3)	Conditional	Not used	This segment is sent by the Utility when there is a change in the customer's meter read cycle or there is a change in the frequency of the meter reads on a cycle. The code sent can be used to obtain the meter reading cycle date from the Utility's web site.
57	Reference Identification (Meter Cycle Code)	LIN Loop	REF	DTL	030	02	Reference Identification		Meter reading cycle code	AN(1/30)	Required	Not used	<del>See Line 56.</del> When a REF*65 segment is sent this element is required.
58	Reference Identification (Meter Cycle Code)	LIN Loop	REF	DTL	030	03	Description	Description of the normal reporting period covered by usage data to be sent on the 867.	MON, BIM, or QTR	AN(1/80)	Conditional	Not used	<del>See Line 56.</del> The REF03 should be sent when the data in REF02 is insufficient for the recipient to determine the reporting period associated with a service end point.
59	Reference Identification (Bill Cycle Code)	LIN Loop	REF	DTL	030	01	Reference Identification Qualifier	Code indicating that the data contained in REF02/03 describes the bill cycle for the customer being enrolled	BF	ID(2/3)	Required	Not used	This segment will be sent by the Utility when there is a change in the customer's billing cycle or a change in the frequency of billing on a cycle.
60	Reference Identification (Bill Cycle Code)	LIN Loop	REF	DTL	030	02	Reference Identification	An alphanumeric code used to obtain data on a customer's bill cycle.		AN(1/30)	Required	Not used	Bill cycle codes may be used to reference data on a Utility web site regarding the customer's billing cycle.

Row No	NY DD Field Name	Loop ID	Segment	Level	Position	Ref Desc	Name	Description	Code	Data Type	Request	Response	Comments
61	Reference Identification (Bill Cycle Code)	LIN Loop	REF	DTL	030	03	Description	Text indicating how frequently the customer is billed.	MON, BIM, QTR	AN(1/80)	Conditional	Not used	This element should be sent when the bill cycle has changed and bill frequency data is not made available on the Utility web site.
62	Reference Identification (Bill Presenter )	LIN Loop	REF	DTL	030	01	Reference Identification Qualifier	Code indicating REF02 identifies the bill presenter	BLT	ID(2/3)	Conditional	Not used	This segment will be sent by Utilities or <del>E/MS</del> ESCOs to indicate a change in bill presenter status. This segment is not used in the Single Retailer Model. It may be necessary to send other data segments when requesting a change in either bill presenter or bill calculator. See the Front Matter notes in the Implementation Guide for further instructions.
63	Reference Identification (Bill Presenter )	LIN Loop	REF	DTL	030	02	Reference Identification	Code indicating the customer's bill presenter arrangements	DUAL, ESP, or LDC	AN(1/30)	Required	Not used	When a REF*BLT segment is sent, this element is required.
64	Reference Identification (Bill Presenter )	LIN Loop	REF	DTL	030	03	Description	If REF02=ESP and NY Billing Agency Model will be used, REF03 must contain the literal "AGENT"	text = AGENT	AN(1/80)	Conditional	Not used	This element is required when REF02 = ESP AND the Billing Agency Model is being used. Refer to the NY Uniform Business Rules for a description of the Billing Agency requirements.
65	Reference Identification (Bill Calculator)	LIN Loop	REF	DTL	030	01	Reference Identification Qualifier	Code indicating REF02 identifies the bill calculator	PC	ID(2/3)	Conditional	Not used	This segment is sent by Utilities or <del>E/MS</del> ESCOs to indicate a change in bill calculator. This segment is not used in the Single Retailer Model. It may be necessary to send other data segments when requesting a change in either bill presenter or bill calculator. See the Front Matter notes in the Implementation Guide for further instructions.
66	Reference Identification (Bill Calculator)	LIN Loop	REF	DTL	030	02	Reference Identification	Each party calculates their own charges or Utility is the bill calculator	DUAL or LDC	AN(1/30)	Required	Not used	<del>See Line 65.</del> When a REF*PC segment is being sent, this element is required.
67	Reference Identification (Current Budget Billing Status)	LIN Loop	REF	DTL	030	01	Reference Identification Qualifier	Code indicating this segment contains data on the customer's budget billing status.	NR	ID(2/3)	Conditional	Not used	This segment is sent when the customer receives a consolidated bill and the <del>customer's</del> customer's budget plan status with the initiator of the Request transaction is, or will be, changing. Changes in budget bill status are only applicable where the billing party has agreed to calculate budget bill amounts for the non-billing party.

Row No	NY DD Field Name	Loop ID	Segment	Level	Position	Ref Desc	Name	Description	Code	Data Type	Request	Response	Comments
68	Reference Identification (Current Budget Billing Status)	LIN Loop	REF	DTL	030	02	Reference Identification	Code indicating that the customer is, or is not, on a budget plan for the sender's charges.	Y or N	AN(1/30)	Required	Not used	When a REF*NR segment is being sent, this element is required.
69	Reference Identification (E/MESCO Late Fees)	LIN Loop	REF	DTL	030	01	Reference Identification Qualifier	Code indicating that REF02 indicates a change in the E/MESCO late fee policy when the bill option is utility consolidated billing and the payment option is Pay-As-You-Get-Paid.	LF	ID(2/3)	Conditional	Conditional	This segment is sent to NFG when a change in the E/MESCO late fee policy is being reported. This segment is only applicable to Utility Rate Ready consolidated billing with Pay-As-You-Get-Paid. NFGA utility that elects the practice in its Utility Maintained EDI Guide may return this segment in a response transaction.
70	Reference Identification (E/MESCO Late Fees)	LIN Loop	REF	DTL	030	02	Reference Identification	Late fees will/will not be assessed by the Billing Party on E/MESCO past due amounts.	N2,Y2	AN(1/30)	Required	Required	This element is required when a REF*LF segment is being sent.
71	Reference Identification (Partial Participation Portion)	LIN Loop	REF	DTL	030	01	Reference Identification Qualifier	Code indicating the segment contains data on the load to be supplied by the E/MESCO for partial requirements customers.	PGC	ID(2/3)	Conditional	Not used	A partial requirements customer of a Utility may elect to change the portion of load served by an E/MESCO and may notify either the Utility or the E/MESCO. This segment is then sent to report the change to the other party.
72	Reference Identification (Partial Participation Portion)	LIN Loop	REF	DTL	030	02	Reference Identification	E/MESCO will serve base load or total load.	B (base) or T (total)	AN(1/30)	Required	Not used	When a REF*PGC is sent, this element is required.
73	Reference Identification (Customer on Life Support)	LIN Loop	REF	DTL	030	01	Reference Identification Qualifier	Code indicating the customer's use of life support equipment.	SU	ID(2/3)	Conditional	Not used	Under the Single Retailer Model, the E/MESCO is required to send a change request when the customer's life support status changes.
74	Reference Identification (Customer on Life Support)	LIN Loop	REF	DTL	030	02	Reference Identification	Indicates whether life support equipment is required or not required	N= Life support not required Y=Life support required	AN(1/30)	Required	Not used	See Line 73.—When a REF*SU is being sent, this element is required.
75	Reference Identification (Gas Pool ID)	LIN Loop	REF	DTL	030	01	Reference Identification Qualifier	Code indicating REF02 contains the customer's gas pool id.	VI	ID(2/3)	Conditional	Not used	GAS ONLY. Sent on a Request by the E/MESCO to indicate the customer has been moved from one gas pool to another.
76	Reference Identification (Gas Pool ID)	LIN Loop	REF	DTL	030	02	Reference Identification	The pool id	ID#	AN(1/30)	Required	Not used	When a REF*VI is being sent, this element is required to indicate the new pool id.

Row No	NY DD Field Name	Loop ID	Segment	Level	Position	Ref Desc	Name	Description	Code	Data Type	Request	Response	Comments
77	Reference Identification (Gas Capacity Assignment/Obligation)	LIN Loop	REF	DTL	030	01	Reference Identification Qualifier	Code indicating that REF 02 contains data describing gas capacity arrangements for the customer.	GC	ID(2/3)	Conditional	Not used	GAS ONLY. This segment may be sent by either the Utility or <u>E/MESCO</u> (where supported) to indicate a change in the customers gas capacity arrangements. Changes in capacity arrangements may only be sent during the non-heating season.
78	Reference Identification (Gas Capacity Assignment/Obligation)	LIN Loop	REF	DTL	030	02	Reference Identification	Text indicating new capacity arrangement	Y or N	AN(1/30)	Required	Not used	When a REF*GC is being sent, this element is required. Please refer to the 814 Change Implementation Guide for the definition of Y and N.
79	Reference Identification (ISO Location Based Marginal Pricing Zones)	LIN Loop	REF	DTL	030	01	Reference Identification Qualifier	Code indicating the ISO LBMP zone for the customer.	SPL	ID(2/3)	Conditional	Not used	ELECTRIC ONLY. Sent by the Utility to report a change in the customer's LBMP zone.
80	Reference Identification (ISO Location Based Marginal Pricing Zones)	LIN Loop	REF	DTL	030	02	Reference Identification	Code indicating the ISO LBMP zone in which the customer resides.	refer to codes listed in IG	AN(1/30)	Required	Not used	When a REF*SPL segment is sent, this element is required.
81	Reference Identification (Portion Taxed Residential)	LIN Loop	REF	DTL	030	01	Reference Identification Qualifier	Code indicating the data in REF 02 describes the percent of a non-residential account that is taxed at a residential rate.	RP	ID(2/3)	Conditional	Not used	<u>This Where a utility that elects the practice in its Utility Maintained EDI Guide, this segment must be sent to National Grid and/or O&amp;R the utility when the bill option is Utility Rate Ready consolidated billing and there has been a change in the portion of the non-residential account that is taxed at a residential rate (see also lines 99-102). 100-103).</u>
82	Reference Identification (Portion Taxed Residential)	LIN Loop	REF	DTL	030	02	Reference Identification		refer to codes listed in IG	AN(1/30)	Required	Not used	When a REF*RP is being sent, this element is required.
<u>86</u>	<u>Reference Identification (Account Settlement Indicator)</u>	<u>LIN Loop</u>	<u>REF</u>	<u>DTL</u>	<u>030</u>	<u>01</u>	<u>Reference Identification Qualifier</u>	<u>Code indicating that REF02 contains the Account Settlement Indicator for the account requested.</u>	<u>TDT</u>	<u>ID(2/3)</u>	<u>Conditional</u>	<u>Not used</u>	<u>ELECTRIC ONLY. Sent by the Utility to report a change in the customer's Account Settlement.</u>
<u>87</u>	<u>Reference</u>	<u>LIN</u>	<u>REF</u>	<u>DTL</u>	<u>030</u>	<u>02</u>	<u>Reference</u>	<u>Code indicating how</u>	<u>C=Class</u>	<u>AN(1/30)</u>	<u>Required</u>	<u>Not used</u>	<u>When REF*TDT is being sent, this</u>

Row No	NY DD Field Name	Loop ID	Segment	Level	Position	Ref Desc	Name	Description	Code	Data Type	Request	Response	Comments
	<u>Identification (Account Settlement Indicator)</u>	<u>Loop</u>					<u>Identification</u>	<u>the usage is settled with NYISO for the account requested.</u>	<u>Load Shape</u> <u>H=Hourly</u> <u>M=Mixed</u>				<u>element is required.</u>
<u>88</u>	<u>Reference Identification (NYPA Discount Indicator)</u>	<u>LIN Loop</u>	<u>REF</u>	<u>DTL</u>	<u>030</u>	<u>01</u>	<u>Reference Identification Qualifier</u>	<u>Code indicating that REF02 contains the NYPA Discount Indicator for the account requested.</u>	<u>YP</u>	<u>ID(2/3)</u>	<u>Optional</u>	<u>Not used</u>	<u>ELECTRIC ONLY. Sent by the Utility to report a change in the customer's NYPA Discount program status.</u>
<u>89</u>	<u>Reference Identification (NYPA Discount Indicator)</u>	<u>LIN Loop</u>	<u>REF</u>	<u>DTL</u>	<u>030</u>	<u>02</u>	<u>Reference Identification</u>	<u>Code indicating whether the account requested participates in the NYPA Discount Program.</u>	<u>N=No, the customer does not participate in the program</u> <u>Y=Yes, the customer does participate in the program</u>	<u>AN(1/30)</u>	<u>Required</u>	<u>Not used</u>	<u>When REF*YP is being sent, this element is required.</u>
<u>90</u>	<u>Reference Identification (Utility Discount Indicator)</u>	<u>LIN Loop</u>	<u>REF</u>	<u>DTL</u>	<u>030</u>	<u>01</u>	<u>Reference Identification Qualifier</u>	<u>Code indicating that REF02 contains the Utility Discount Indicator for the account requested.</u>	<u>SG</u>	<u>ID(2/3)</u>	<u>Conditional</u>	<u>Not used</u>	<u>Sent by the Utility to report a change in the customer's Utility Discount status.</u>
<u>91</u>	<u>Reference Identification (Utility Discount Indicator)</u>	<u>LIN Loop</u>	<u>REF</u>	<u>DTL</u>	<u>030</u>	<u>02</u>	<u>Reference Identification</u>	<u>Code indicating whether the account requested receives a Discount or Incentive Rate from the Utility.</u>	<u>N=No, there are no Utility Discounts/Incentive Rates</u> <u>Y=Yes, there are Utility Discounts/Incentive Rates program</u>	<u>AN(1/30)</u>	<u>Required</u>	<u>Not used</u>	<u>When REF*SG is being sent, this element is required.</u>
<u>92</u>	<u>Reference Identification (Industrial Classification Code)</u>	<u>LIN Loop</u>	<u>REF</u>	<u>DTL</u>	<u>030</u>	<u>01</u>	<u>Reference Identification Qualifier</u>	<u>Code indicating that REF02 contains the Industrial Classification Code for the account.</u>	<u>IJ</u>	<u>ID(2/3)</u>	<u>Conditional</u>	<u>Not used</u>	<u>Sent by the Utility to report a change in the customer's SIC or NAISC Code.</u>
<u>93</u>	<u>Reference Identification (Industrial Classification Code)</u>	<u>LIN Loop</u>	<u>REF</u>	<u>DTL</u>	<u>030</u>	<u>02</u>	<u>Reference Identification</u>	<u>The Industrial Classification Code for the account.</u>		<u>AN(1/30)</u>	<u>Required</u>	<u>Not used</u>	<u>When REF*IJ is being sent, this element is required.</u>
<u>94</u>	<u>Reference Identification (Industrial Classification Code)</u>	<u>LIN Loop</u>	<u>REF</u>	<u>DTL</u>	<u>030</u>	<u>03</u>	<u>Description</u>	<u>Code indicating whether REF02 contains the SIC or</u>	<u>NAISC=REF 02 contains NAISC Code</u>	<u>AN(1/80)</u>	<u>Required</u>	<u>Not used</u>	<u>When REF*IJ is being sent, this element is required.</u>

Row No	NY DD Field Name	Loop ID	Segment	Level	Position	Ref Desc	Name	Description	Code	Data Type	Request	Response	Comments
	<u>Classification Code</u>							<u>the NAISC Code.</u>	<u>SIC=REF02 contains SIC Code</u>				
<u>95</u>	<u>Reference Identification (Utility Tax Exempt Status)</u>	<u>LIN Loop</u>	<u>REF</u>	<u>DTL</u>	<u>030</u>	<u>01</u>	<u>Reference Identification Qualifier</u>	<u>Code indicating that REF02 contains the Utility Tax Exempt Status for the account requested.</u>	<u>TX</u>	<u>ID(2/3)</u>	<u>Conditional</u>	<u>Not used</u>	<u>Sent by the Utility to report a change in the customer's Tax Exempt Status.</u>
<u>96</u>	<u>Reference Identification (Utility Tax Exempt Status)</u>	<u>LIN Loop</u>	<u>REF</u>	<u>DTL</u>	<u>030</u>	<u>02</u>	<u>Reference Identification</u>	<u>Code indicating the Utility's Tax Exempt Status at the time the transaction was created for the account requested.</u>	<u>N=No Exemption, the customer is fully taxed for distribution charges. Y=Yes, the customer has some level of tax exemption for distribution charges.</u>	<u>AN(1/30)</u>	<u>Required</u>	<u>Not used</u>	<u>When REF*TX is being sent, this element is required.</u>
<u>8397</u>	Date/Time Reference (Effective Date of Change)	LIN Loop	DTM	DTL	040	01	Date/Time Qualifier	Code indicating segment contains effective date of change	007	ID(3/3)	Conditional	Conditional	Required on all Utility <del>initiated</del> <u>initiated</u> requests (except for changes to Assigned Service Start or Assigned Service End Date). Required on the Utility Response to an <u>E/MESCO</u> request for a change in a customer's billing option. Required on <del>on</del> requests from Single Retailer marketers when an address change is being reported. This segment should also be sent on <u>E/MESCO</u> Request transactions when a change in <u>E/MESCO</u> Commodity Price, Fixed Charge or Rate Code is being requested AND the Utility has agreed to process rate or price changes on a date other than the regularly scheduled bill cycle date.
<u>8498</u>	Date/Time Reference (Effective Date of Change)	LIN Loop	DTM	DTL	040	02	Date		CCYYMMDD	DT(8/8)	Required	Required	When a DTM*007 segment is sent, this element is required.
<u>8599</u>	Date/Time Reference (Assigned Service Start Date)	LIN Loop	DTM	DTL	040	01	Date/Time Qualifier	Code indicating this segment contains the assigned service start date	150	ID(3/3)	Conditional	Not used	This segment is used by the Utility to report a change in the effective date of the <u>customer's-customer's</u> enrollment and will only be sent during the period an enrollment is pending for the customer.
<u>8610</u> <u>0</u>	Date/Time Reference	LIN Loop	DTM	DTL	040	02	Date		CCYYMMDD	DT(8/8)	Required	Not used	When a DTM*150 segment is being sent, this element is required.



Row No	NY DD Field Name	Loop ID	Segment	Level	Position	Ref Desc	Name	Description	Code	Data Type	Request	Response	Comments
	(Assigned Service Start Date)												
<u>8710</u> <u>1</u>	Date/Time Reference (Assigned Service End Date)	LIN Loop	DTM	DTL	040	01	Date/Time Qualifier	Code indicating segment contains the assigned service end date	151	ID(3/3)	Conditional	Not used	This segment is sent by the Utility to report a change in the service end date when a drop is pending for the customer. It is required when the service end date varies from the estimated end date provided in the Drop transaction by more than three days.
<u>8810</u> <u>2</u>	Date/Time Reference (Assigned Service End Date)	LIN Loop	DTM	DTL	040	02	Date		CCYYMMDD	DT(8/8)	Required	Not used	When a DTM*151 segment is being sent, this element is required.
<u>103</u>	<u>Date/Time Reference (ICAP Effective Dates)</u>	<u>PTD Loop</u>	<u>DTM</u>	<u>DTL</u>	<u>020</u>	<u>01</u>	<u>Date/Time Qualifier</u>	<u>Code indicating that this DTM segment identifies the effective dates associated with the ICAP data provided.</u>	<u>AB2</u>	<u>ID 3/3</u>	<u>Optional</u>	<u>Not used</u>	<u>The Utility may provide an effective date range for the ICAP data in this transaction.</u>
<u>104</u>	<u>Date/Time Reference (ICAP Effective Dates)</u>	<u>PTD Loop</u>	<u>DTM</u>	<u>DTL</u>	<u>020</u>	<u>05</u>	<u>Date Time Period Format Qualifier</u>	<u>Code indicating that the value sent element 06 in this segment will be a range of Dates Expressed in Format CCYYMMDD-CCYYMMDD.</u>	<u>RD8</u>	<u>ID 2/3</u>	<u>Required</u>	<u>Not used</u>	<u>When a DTM*AB4 is being sent, this element is required.</u>
<u>105</u>	<u>Date/Time Reference (ICAP Effective Dates)</u>	<u>PTD Loop</u>	<u>DTM</u>	<u>DTL</u>	<u>020</u>	<u>06</u>	<u>Date Time Period</u>	<u>Period expressed in the format CCYYMMDD-CCYYMMDD</u>		<u>AN 1/35</u>	<u>Required</u>	<u>Not used</u>	<u>When a DTM*AB4 is being sent, this element is required.</u>
<u>8910</u> <u>6</u>	Monetary Amount (Tax Exemption Percent)	LIN Loop	AMT	DTL	060	01	Amount Qualifier Code	Code indicating some or all of the <u>E/MESCO</u> service is exempt from state sales tax.	DP	ID(1/3)	Conditional	Not used	This segment pertains to a change in the state sales taxes applicable to the <u>E/MeESCOs</u> service on the account. This segment should be sent by the <u>E/MESCO</u> when there is a change in the tax exemption status of the account and the Utility is the bill calculator. This segment is not used in the Single Retailer Model.
<u>9910</u> <u>7</u>	Monetary Amount (Tax Exemption Percent)	LIN Loop	AMT	DTL	060	02	Monetary Amount	"1" = 100 percent (fully tax exempt); decimal numbers less than "1" represent percentages.	0.0000	R(1/18)	Required	Not used	When an AMT*DP segment is sent, this element is required. A "1" indicates the <u>E/MESCO</u> service on the account is fully tax exempt from state sales taxes. A "0" indicates the

Row No	NY DD Field Name	Loop ID	Segment	Level	Position	Ref Desc	Name	Description	Code	Data Type	Request	Response	Comments
													account is NOT exempt from state sales taxes.
<u>9410</u> <u>8</u>	Monetary Amount ( <u>E/MESCO</u> Budget Plan Installment Amount)	LIN Loop	AMT	DTL	060	01	Amount Qualifier Code	Code indicating that AMT02 contains the installment amount that should appear on the customer's consolidated bill for a budget plan negotiated with the <u>E/MESCO</u> .	B5	ID(1/3)	Condition al	<u>Optional</u> <u>Not used</u>	<u>NFG Only</u> —ThisWhere a utility that <u>elects the practice in its Utility</u> <u>Maintained EDI Guide</u> , this segment is sent in <u>E/MESCO</u> Request transactions to change the monthly budget installment amount the customer is expected to pay under <u>E/MESCO</u> negotiated budget plans. It is only applicable when the bill option is rate ready consolidated billing and the payment option is Pay-As-You- Get-Paid.
<u>9210</u> <u>9</u>	Monetary Amount ( <u>E/MESCO</u> Budget Plan Installment Amount)	LIN Loop	AMT	DTL	060	02	Monetary Amount	Budget Plan Installment Amount	Whole numbers of the form xxx or xx (e.g. 100 or 75)	R(1/18)	Required	<u>Required</u> <u>Not used</u>	When <u>aan</u> AMT*B5 segment is sent this element is required.
<u>9311</u> <u>0</u>	Monetary Amount ( <u>E/MESCO</u> Commodity Price)	LIN Loop	AMT	DTL	060	01	Amount Qualifier Code	Code indicating that segment contains the <u>E/MESCO</u> commodity price	RJ	ID(1/3)	Condition al	Optional	This segment is sent by an <u>E/MESCO</u> to report a change in its commodity price when the bill option is Utility Rate Ready consolidated billing. The price change may be echoed back on the Utility Response transaction, at the option of the Utility, to confirm price changes. This segment may be accompanied by a DTM*007 segment to communicate the effective date of the change in Commodity Price when the applicable Utility has agreed to process such changes on a date other than the regularly scheduled bill cycle date. This segment is not used in the Single Retailer Model.
<u>9411</u> <u>1</u>	Monetary Amount ( <u>E/MESCO</u> Commodity Price)	LIN Loop	AMT	DTL	060	02	Monetary Amount	Dollar amount	0.00	R(1/18)	Required	Optional	<u>See Line 93</u> —When <u>aan</u> AMT*RJ is being sent, this element is required.
<u>9511</u> <u>2</u>	Monetary Amount ( <u>E/MESCO</u> Fixed Charge)	LIN Loop	AMT	DTL	060	01	Amount Qualifier Code	Code indicating that segment contains the <u>E/MESCO</u> fixed charge per account	FW	ID(1/3)	Condition al	<u>Optional</u> <u>Not used</u>	This segment is sent by an <u>E/MESCO</u> to report a change in its fixed charge per account when the bill option is Utility Rate Ready consolidated billing. This segment may be echoed back on the Utility Response transaction, at the option of the Utility, to confirm the

Row No	NY DD Field Name	Loop ID	Segment	Level	Position	Ref Desc	Name	Description	Code	Data Type	Request	Response	Comments
													change in the amount of the fixed charge on the account. This segment may be accompanied by a DTM*007 segment to communicate the effective date of the change in Fixed Charge when the applicable Utility has agreed to process such changes on a date other than the regularly scheduled bill cycle date. This segment is not used in the Single Retailer Model.
<u>9611</u> <u>3</u>	Monetary Amount ( <u>E/MESCO</u> Fixed Charge)	LIN Loop	AMT	DTL	060	02	Monetary Amount	Dollar amount	0.00	R(1/18)	Required	<u>Optional</u> <u>Not used</u>	<u>See Line 95.</u> —When <u>aan</u> AMT*FW is being sent, this element is required.
<u>9711</u> <u>4</u>	Monetary Amount ( <u>Electric</u> Capacity Assignment) <u>ICAP</u> )	LIN Loop	AMT	DTL	060	01	Amount Qualifier Code	Code indicating that segment contains the <u>customers peak-load contribution</u> <u>customer's ICAP tag.</u>	KZ	ID(1/3)	Conditional	Not used	ELECTRIC ONLY. This segment will be sent <u>by O&amp;R</u> to report a change in the customer's <u>peak-load contribution</u> <u>ICAP Tag.</u>
<u>9811</u> <u>5</u>	Monetary Amount ( <u>Electric</u> Capacity Assignment) <u>ICAP</u> )	LIN Loop	AMT	DTL	060	02	Monetary Amount	"1" = 100 percent; decimal numbers less than "1" represent percentages.	0.0000	R(1/18)	Required	Not used	ELECTRIC ONLY.— <u>See Line 97.</u> When an AMT*KZ segment is being sent, this element is required.
<u>116</u>	<u>Monetary Amount</u> <u>(ICAP)</u>	<u>LIN</u> <u>Loop</u>	<u>AMT</u>	<u>DTL</u>	<u>060</u>	<u>03</u>	<u>Special Program Adjustment Indicator</u>	Code indicating if the <u>ICAP tag</u> has been <u>adjusted for a Special Program.</u>	<u>D=No, there is no Special Program Adjustment Indicator related to the ICAP Tag.</u> <u>C=Yes, there is a Special Program Adjustment Indicator related to the ICAP Tag.</u>	<u>ID(1/1)</u>	<u>Optional</u>	<u>Not used</u>	<u>A general indicator not tied to any specific program.</u>
<u>9911</u> <u>Z</u>	Monetary Amount (Customers Tax Rate for <u>E/MESCO</u> Charges - 1)	LIN Loop	AMT	DTL	060	01	Amount Qualifier Code	Code indicating that AMT02 contains the tax rate that should be used by the utility to calculate tax amounts applicable to <u>E/MsESCOs</u> charges either for all service on the account OR for	9M	ID(1/3)	Conditional	Optional	Utility Rate Ready billing only. This segment is sent by an <u>E/MESCO</u> to report a change in the <u>customerscustomer's</u> tax rate for all service on the account OR for the portion taxed at a residential rate when the applicable utility requires the <u>E/MESCO</u> to provide tax data via EDI. When portions of the customer's

Row No	NY DD Field Name	Loop ID	Segment	Level	Position	Ref Desc	Name	Description	Code	Data Type	Request	Response	Comments
								the portion of the service that is taxed at a residential rate.					service are taxed at different rates (i.e. a REF*RP was sent in the Enrollment request), then it may be necessary to send both an AMT*9M and an AMT*9N (see below). This segment may be echoed back in the response transaction at the option of the utility.
<del>4001</del> <u>18</u>	Monetary Amount (Customers Tax Rate for <del>E/MESCO</del> Charges - 1)	LIN Loop	AMT	DTL	060	02	Monetary Amount	Decimal numbers less than "1".	0.0000	R(1/18)	Required	Required	When an AMT*9M segment is sent, this element is required. Since tax rate information is being sent, the AMT02 should <1.
<del>4011</del> <u>19</u>	Monetary Amount (Customers Tax Rate for <del>E/MESCO</del> Charges - 2)	LIN Loop	AMT	DTL	060	01	Amount Qualifier Code	Code indicating that AMT02 contains the tax rate that should be used by the utility to calculate tax amounts applicable to <del>E/MsESCOs</del> charges for the portion of the service that is taxed at a commercial -rate.	9N	ID(1/3)	Conditional	Optional	Utility Rate Ready billing only. This segment is sent by an <del>E/MESCO</del> to report a change in the <del>customers</del> customer's tax rate for the portion of service taxed at a commercial rate when the applicable utility requires the <del>E/MESCO</del> to provide tax data via EDI. This segment is only applicable when a REF*RP was sent in the Enrollment request or split tax status was communicated in a prior change request. This segment may be echoed back in the response transaction at the option of the utility.
<del>4021</del> <u>20</u>	Monetary Amount (Customers Tax Rate for <del>E/MESCO</del> Charges - 2)	LIN Loop	AMT	DTL	060	02	Monetary Amount	Decimal numbers less than "1".	0.0000	R(1/18)	Required	Required	When an AMT*9N segment is sent, this element is required. Since tax rate information is being sent, the AMT02 should be <1.
<del>4031</del> <u>21</u>	Metered or UnMetered Service points	NM1 Loop	NM1	DTL	080	01	Entity Identifier Code	Codes used to describe an activity or a change in data associated with metered and/or unmetered service end points.	valid codes: MA, MQ, MR, MX	ID(2/3)	Conditional	Optional	An NM1 loop is used to report activity or changes in data associated with individual metered or unmetered service end points on an account and/or alternatively a change which pertains to all service end points on an account. This would include changes in the <del>E/MESCO</del> rate code for the account indicated in the Request transaction. Valid values for the Utility are: MA, MQ, MR and MX. The "MQ" code is the only valid value for an <del>E/MESCO</del> Request.
<del>4041</del> <u>22</u>	Metered or UnMetered	NM1 Loop	NM1	DTL	080	02	Entity Type Qualifier	Required by X12	3	ID(1/1)	Required	Required	<del>See Line 403.</del> When an NM1 segment is sent, this element is

Row No	NY DD Field Name	Loop ID	Segment	Level	Position	Ref Desc	Name	Description	Code	Data Type	Request	Response	Comments
	Service points												required.
<del>4061</del> <u>23</u>	Metered or UnMetered Service points	NM1 Loop	NM1	DTL	080	08	Identification Code Qualifier	Code 32 used to indicate that NM109 contains a meter number; Code 93 is used to indicate that NM109 is a literal.	32 or 93	ID(1/2)	Required	Required	<del>See Line 103.</del> —When an NM1 segment is sent, -this element is required.
<del>4061</del> <u>24</u>	Metered or UnMetered Service points	NM1 Loop	NM1	DTL	080	09	Identification Code		meter number or text 'ALL' or 'UNMETERED'	AN(2/80)	Required	Required	<del>See Line 103.</del> —When an NM1 segment is sent, -this element is required.
<del>4071</del> <u>25</u>	Reference Identification (Reason for Change - Meter Level)	NM1 Loop	REF	DTL	130	01	Reference Identification Qualifier	Code which describes the change identified in the NM1 loop.	TD	ID(2/3)	Conditional	Optional	The REF*TD at position 130 is used to identify which data segment(s) are being changed at the detail (or meter) level (see notes on lines 45-46). A transaction may contain more than one REF*TD segment at this level. The REF*TD segments may be echoed back on Response transactions at the option of the sender.
<del>4081</del> <u>26</u>	Reference Identification (Reason for Change - Meter Level)	NM1 Loop	REF	DTL	130	02	Reference Identification	Code identifying the type of segment and segment qualifier for the data that has, or will be, changed.	see list of codes in IG	AN(1/30)	Required	Required	<del>See Lines 45 and 107.</del> —When a REF*TD segment is being sent at position 130, this element is required.
<del>4091</del> <u>27</u>	Reference Identification (Old Meter Number)	NM1 Loop	REF	DTL	130	01	Reference Identification Qualifier	Code indicating <del>old</del> Old Meter Number is being communicated	46	ID(2/3)	Conditional	Not used	This segment is used to report the old meter number when one meter is being exchanged for another. The new meter number is sent in element NM109.
<del>4401</del> <u>28</u>	Reference Identification (Old Meter Number)	NM1 Loop	REF	DTL	130	02	Reference Identification	<del>old</del> Old Meter Number	<del>old</del> Old Meter Number	AN(1/30)	Required	Not used	When a REF*46 is being sent, this element is required to report the OLD meter number.
<del>4441</del> <u>29</u>	Reference Identification (Utility Rate Service Class)	NM1 Loop	REF	DTL	130	01	Reference Identification Qualifier	Code indicating REF02 contains the utility rate class	NH	ID(2/3)	Conditional	Not used	This segment is sent by the Utility when there has been a change in the customer's Utility rate service class.
<del>4421</del> <u>30</u>	Reference Identification (Utility Rate Service Class)	NM1 Loop	REF	DTL	130	02	Reference Identification	Utility rate service class	Text	AN(1/30)	Required	Not used	When a REF*NH is sent, this element is required. The data sent in REF02 may be used to retrieve rate information from a utility's web site.
<del>4431</del> <u>31</u>	Reference Identification (Utility Rate)	NM1 Loop	REF	DTL	130	01	Reference Identification Qualifier	Code indicating REF 02 contains the utility rate sub-class for the	PR	ID(2/3)	Conditional	Not used	This data segment will be sent by the Utility to communicate a change in the customer's Utility rate sub-class.

Row No	NY DD Field Name	Loop ID	Segment	Level	Position	Ref Desc	Name	Description	Code	Data Type	Request	Response	Comments
	Sub Class)							customer					
<del>4441</del> <u>32</u>	Reference Identification (Utility Rate Sub Class)	NM1 Loop	REF	DTL	130	02	Reference Identification	Utility rate sub-class	Text	AN(1/30)	Required	Not used	When a REF*PR is sent, this element is required. The data sent in REF02 may be used to retrieve rate information from a utility's web site.
<del>4451</del> <u>33</u>	Reference Identification (Utility Load Profile Group Code)	NM1 Loop	REF	DTL	130	01	Reference Identification Qualifier	Code indicating the Utility assigned load profile code	LO	ID(2/3)	Conditional	Not used	ELECTRIC ONLY. This segment will be sent by the Utility to communicate a change in the customers load profile code.
<del>4461</del> <u>34</u>	Reference Identification (Utility Load Profile Group Code)	NM1 Loop	REF	DTL	130	02	Reference Identification	Utility assigned load profile code	Utility assigned load profile code	AN(1/30)	Required	Not used	When a REF*LO is being sent, this element is required.
<del>4471</del> <u>35</u>	Reference Identification (Measurement Type and Reporting Interval)	NM1 Loop	REF	DTL	130	01	Reference Identification Qualifier	Code indicating that this segment will contain the type of consumption measured by the meter and the interval between measurements.	MT	ID(2/3)	Conditional	Not used	This segment will be sent by the Utility to describe the measurement types and reporting intervals for the service delivery point(s) identified in the NM109 element when (1) one meter has been exchanged for another and the measurement types and/or reporting intervals for the new meter are different than the measurement types and/or reporting intervals associated with the old meter; (2) a meter has been added; or (3) there are changes or corrections to the measurement types and/or reporting intervals for an existing meter.
<del>4481</del> <u>36</u>	Reference Identification (Measurement Type and Reporting Interval)	NM1 Loop	REF	DTL	130	02	Reference Identification		refer to codes in IG	AN(1/30)	Required	Not used	When a REF*MT segment is sent, this element is required.
<del>4491</del> <u>37</u>	Reference Identification (Use Time of Day)	NM1 Loop	REF	DTL	130	01	Reference Identification Qualifier	Code indicating that this segment contains data on the time of day classification for which measurements are obtained.	TU	ID(2/3)	Conditional	Not used	ELECTRIC ONLY. This segment is sent when there is a change in the manner usage will be measured on an account due to a meter addition or a meter exchange or a correction in previously reported data AND the "COMBO" code was sent in the REF*MT segment OR usage is measured in time intervals.

Row No	NY DD Field Name	Loop ID	Segment	Level	Position	Ref Desc	Name	Description	Code	Data Type	Request	Response	Comments
<del>1201</del> <u>38</u>	Reference Identification (Use Time of Day)	NM1 Loop	REF	DTL	130	02	Reference Identification Qualifier	Codes indicating time of day classification	41, 42, 43, or 51	AN(1/30)	Required	Not used	When a REF* <u>TU</u> segment is being sent, this element is required.
<del>1241</del> <u>39</u>	Reference Identification (Use Time of Day)	NM1 Loop	REF	DTL	130	03	Description	Codes used to describe the measurement type and interval between measurements.	Type: K1, K2, K3, K4, K5, or KH Interval: BIM, DAY, MON, QTR, or TOU, or 001-999 for minutes.		Required	Not used	When a REF* <u>TU</u> segment is being sent, this element is required.
<del>1221</del> <u>40</u>	Reference Identification ( <del>E/MESCO</del> Rate Code)	NM1 Loop	REF	DTL	130	01	Reference Identification Qualifier	Code indicating REF02 contains the <del>E/MESCO</del> rate code for a meter, all meters or all unmetered service.	RB	ID(2/3)	Conditional	Conditional	This segment will be sent by the <del>E/MESCO</del> to report a change in rate code for the customer (only applicable to Utility Rate Ready consolidated billing situations). This segment may be accompanied by a DT <u>M</u> *007 segment to communicate the effective date of the change in Rate Code when the applicable Utility has agreed to process such changes on a date other than the regularly scheduled bill cycle date. <del>Rate code changes on ESCO Referral Program accounts may be echoed back in the Response transaction.</del>
<del>1231</del> <u>41</u>	Reference Identification ( <del>E/MESCO</del> Rate Code)	NM1 Loop	REF	DTL	130	02	Reference Identification Qualifier	<del>E/MESCO</del> Rate Code	text	AN(1/30)	Required	Required	When a REF* <u>RB</u> segment is being sent, this element is required.
<del>1241</del> <u>42</u>	Transaction Set Trailer	None	SE	TLR	150	01	Number of Included Segments	Number of segments in this transaction.	#	NO 1/10	Required	Required	Required in all transactions.
<del>1251</del> <u>43</u>	Transaction Set Trailer	None	SE	TLR	150	02	Transaction Set Control Number		ST02	AN(4/9)	Required	Required	Required in all transactions.

PROPOSED



## ACCOUNT CHANGE BUSINESS PROCESS

*This document describes the detailed Account Change business processes for the State of New York. It was developed from recommendations made by the NY EDI Collaborative Workgroup (CWG)<sup>1</sup> and subsequently adopted by the New York Commission. This document describes the detailed processes to be followed to address changes in a customer's account data. In developing its business processes, the Collaborative reviewed the NY Retail Access Uniform Business Practices (UBP), issued and effective 4/15/99 to determine the applicability of these rules to the account change process. In this instance, the Collaborative Work Group found no specific business practices addressing the processing of account change data. On May 18, 2001 the Commission issued Uniform Business Practices governing Billing and Payment Processing. To the extent that these rules are applicable to the business processes described in this document they have been reproduced here and can be identified by the notation (UBP-B&PP). -In developing these business processes, the following documents were reviewed:*

- Order Taking Actions to Improve the Residential and Small Nonresidential Retail Access Markets, issued and effective February 25, 2014 in Case 12-M-0476 et.al.

### NOTES:

- Any item displayed under a Process component (i.e. rules, etc.) is also applicable for its sub-processes, unless otherwise noted.
- All Customer information is considered confidential.
- For purposes of validating EDI transactions, the E/MESCO must provide the customer's utility account number (with check digit, if included).
- The effective date of change will be communicated by the Utility on Change Request transactions and on certain Change Response transactions. Some utilities (~~RG&E~~) may require the E/MESCO to provide an effective date of change on some change requests. For change responses where there are no rules regarding effective date, the default date will be the date the positive response was sent, indicating the recipient has accepted the responsibility of making any necessary changes in their system. Rules for effective date of change are addressed in the sub-processes where applicable.

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<sup>1</sup> The processes contained herein were reviewed and updated by the Case 12-M-0476 EDI Working Groups.

## ACCOUNT CHANGE BUSINESS PROCESS

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- Each change transaction may contain only one account for one commodity. Each transaction may contain multiple changes for an individual account.
- Only the Utility can change the effective service start or end dates.
- Although transactions may be sent to Utilities at any time, they will only be processed during Utility normal business days and hours. Utilities are expected to respond to most change requests within two business days. For example, if the required response time is two business days and a Utility receives a valid change request at its Web server at 3:00 AM on Day 1, the Utility must respond by the close of business on Day 2. If the request were received at 8:00 PM on Day 1, the Utility would respond by the close of business on Day 3.

**ACCOUNT CHANGE BUSINESS PROCESS**

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<i>AC0 Process Account Change Request.....</i>	<i>4</i>
<i>AC1.0 Change In Service Start/ End Date.....</i>	<i>8</i>
<i>AC2.0 Change in Billing Option .....</i>	<i>10</i>
<i>AC3.0 Change In Customer/Account Data.....</i>	<i>15</i>

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## ACCOUNT CHANGE BUSINESS PROCESS

PROCESS NUMBER:	AC0
PROCESS NAME:	<i>PROCESS ACCOUNT CHANGE REQUEST</i>
PROCESS DEFINITION:	The process by which a Utility or ESCO/ <del>Marketer (E/M)</del> communicates a change in the service effective dates, the customer's billing option or other customer information. Depending on the type of change requested, changes may be communicated during the period an enrollment is pending for a customer, after the customer has been established with an <u>E/MESCO</u> or during the period a drop is pending for a customer.
TRIGGER(S):	Customer advises Utility or <u>E/MESCO</u> of change to customer information; Utility makes a change to customer account/service; <u>E/MESCO</u> makes a change to customer account/service.
ESTIMATED / PEAK TRANSACTION RATE:	Varies: high during promotional periods; lower during open enrollment. The volume is expected to fluctuate during enrollment activity, but may also be affected by internal Utility activity such as periods in which meter reading cycles are being changed.
PROCESS INPUTS:	<p>Utility Information; <u>E/MESCO</u> information; Customer Information; Service Information; reason for change, change data including original data where applicable, effective date of change (see Change Implementation Guide).</p> <p>A change in one data element may necessitate changes in dependent data elements. For example, if a change in service Start/End Date occurs due to a change in the customers meter cycle date, a change to the cycle code will also be sent in the Change Request.</p>

## ACCOUNT CHANGE BUSINESS PROCESS

<b>PROCESS OUTPUTS:</b>	<p><b>Positive Response:</b> See Sub-processes.</p> <p><b>Negative Response:</b></p> <p>Account Not Found (this includes inactive account numbers as well as no account number found).</p> <p>Account Does Not Have Service Requested.</p> <p>Required Information Missing</p> <p>Change Reason Missing Or Invalid</p> <p>Meter Number Invalid or Not Found</p>
<b>SUB OR PRECEDING PROCESSES:</b>	<ul style="list-style-type: none"> <li>• Utility or <del>E</del>/MESCO makes a change to a customer account.</li> <li>• Utility or <del>E</del>/MESCO reports the change to the other party.</li> <li>• Utility or <del>E</del>/MESCO processes update to customer account as applicable.</li> <li>• Utility or <del>E</del>/MESCO responds to change request.</li> </ul> <p>The following sub-processes are described in this document:</p> <ul style="list-style-type: none"> <li>• AC1.0 Change In Service Start/ End Date.</li> <li>• AC2.0 Change in Billing Option.</li> <li>• AC3.0 Change In Customer/Account Data.</li> </ul>
<b>PROCESS RULES:</b>	<p>Each 814 Change transaction may contain changes applicable to only one account for one commodity, but several changes for that account and commodity may be communicated in each 814 Change transaction.</p> <p>Multiple responses to a change request may be initiated as each individual change is processed.</p> <p>The Utility must always communicate the effective date of change on a Change Request transaction.</p> <p>The Utility Change Response transaction may contain an “effective date of change”.</p> <p>In the Single Retailer Model, the <del>E</del>/MESCO may be required to communicate an effective date for</p>

## ACCOUNT CHANGE BUSINESS PROCESS

certain changes in their Change Request transactions.

Change Request transactions initiated by an ~~E/MESCO~~ may contain an effective date when a change in ~~E/MESCO~~ Commodity Price, Fixed Charge or Rate Code is being requested, the Utility is the Bill Presenter and Bill Calculator (Rate Ready consolidated billing) and the applicable Utility has agreed to process such changes on a date other than the regularly scheduled bill cycle date. The Effective Date of Change indicated in the Utility Response transaction sent in response to these requests will govern the actual date that the change in ~~E/MESCO~~ prices, charges or rates is, or will be, processed.

For Change Response transactions where there are no rules governing the effective date, the default date is the date the positive Response transaction was sent, indicating that the recipient has accepted the responsibility of making any necessary changes in their system.

The recipient of an 814 Change Request transaction is responsible for making any changes in their system as necessary. A positive or negative Change Response transaction must be sent in response to each Change Request transaction. A positive response will indicate only that the Change Request transaction was valid and that the change information was present. The recipient of the Change Request transaction will determine whether to update their system with the change data.

Only the Utility can initiate a Change Request transaction to modify the effective service start or end dates for a customer enrollment. A change in the service start date can only be made when an enrollment is pending; likewise, a change to the service end date can only be made when a drop is pending.

The Utility can request a change in the Service Start Date, Service End Date, Billing Option and Customer/Account Data.

The ESCO/~~Marketer~~ can request a change in Customer/Account Data and Billing Option.

A Change Request transaction pertaining to Customer/Account Data and Billing Option may be sent at any time. However there may be other process rules that control the effective date of change ( see sub process rules).

## ACCOUNT CHANGE BUSINESS PROCESS

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	Agreements between the Utility and a participating ESCO/ <del>Marketer</del> should document the specific data elements that must be reported and/or updated by each party.
COMMENTS :	

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## ACCOUNT CHANGE BUSINESS PROCESS

<b>PROCESS NUMBER:</b>	AC 1.0
<b>PROCESS NAME:</b>	<i>CHANGE IN SERVICE START/ END DATE</i>
<b>PROCESS DEFINITION:</b>	The process by which the Utility communicates a change in service start date or service end date.
<b>TRIGGER(S):</b>	A change in a previously provided effective date due to administrative or operational conditions (e.g., unable to obtain an actual meter read for a scheduled switch date).
<b>ESTIMATED / PEAK TRANSACTION RATE:</b>	High during promotional periods; moderate during open enrollment.
<b>PROCESS INPUTS:</b>	See Parent
<b>PROCESS OUTPUTS:</b>	<p><b>Positive Response:</b> Utility Information, <del>E/MESCO</del> information, Customer Information, Service Information.</p> <p><b>Negative Response:</b> See parent.</p>



**ACCOUNT CHANGE BUSINESS PROCESS**

<b>SUB OR PRECEDING PROCESSES:</b>	See Parent.
<b>PROCESS RULES:</b>	<p>A Change Request transaction to communicate a change in service start or end date can only be sent by the Utility.</p> <p>The <del>E/MESCO</del> cannot send a Change Request transaction to communicate a change in the service start or service end date.</p> <p>A change in the service start date can only be requested when an enrollment is pending.</p> <p>A change in the service end date can only be requested when a drop is pending.</p>
<b>COMMENTS:</b>	

## ACCOUNT CHANGE BUSINESS PROCESS

PROCESS NUMBER:	AC 2.0
PROCESS NAME:	<i>CHANGE IN BILLING OPTION</i>
PROCESS DEFINITION:	The process by which a Utility or <del>E/</del> MESCO communicates a change to a customer's Billing Option. A change in bill option would require, at a minimum, a change in the designation of bill presenter and/or bill calculator. In addition, it may be necessary for the entity requesting the change to also send several additional data segments that may be dependent upon the choice of bill option such as Commodity Price, ESCO Rate Code, etc.
TRIGGER(S):	A change in billing relationship with the customer.
ESTIMATED / PEAK TRANSACTION RATE:	Low to moderate.
PROCESS INPUTS:	See Parent.

## ACCOUNT CHANGE BUSINESS PROCESS

<b>PROCESS OUTPUTS:</b>	<p><b>Positive Response:</b> Utility Information, <del>E/M</del>ESCO information, Customer Information, Service Information, effective date of change (Utility only).</p> <p><b>Negative Response:</b></p> <p>See parent for other applicable negative responses</p> <p>Incorrect billing option requested.</p> <p>Incorrect bill calculation type</p> <p>Requested rate not found</p> <p>Other</p>
<b>SUB OR PRECEDING PROCESSES:</b>	<p>See parent.</p>
<b>PROCESS RULES:</b>	<p>Change transactions may be sent for either a pending or an established customer.</p> <p>(UBP- B&amp;PP B.3) Billing and payment processing options available in a service territory, including any additional or expanded options, and all variations on the practices identified herein that may be developed, must be made available by the utility to all eligible ESCOs for their customers' use and must be provided in a non-discriminatory manner, subject to general credit practices and the creditworthiness provisions of the Commission's Uniform Business Practices .</p> <p>(UBP- B&amp;PP B.5) Eligible ESCOs may select, from the options available [in a service territory], which billing option(s) to offer their customers.</p> <p>(UBP- B&amp;PP B.8. &amp; 9.) <del>E/M</del>ESCOs must provide advance notice to utilities of plans to offer their customers an approved billing option that would impact the utility. The option may not be operational until the adequacy of data interchange for that option has been successfully demonstrated to the utility</p>

## ACCOUNT CHANGE BUSINESS PROCESS

through testing. ~~E/Ms~~ESCOs must provide advance notice (prior to the start of a billing cycle period) to utilities and customers of any decision to terminate a billing option that would impact the utilities and/or the customers.

(UBP- B&PP C.1.d.) The Consolidated Billing option may involve use of either “Bill Ready” or “Rate Ready” methods for handling the non-billing party’s billing data. ESCOs intending to issue consolidated bills containing utility data (“ESCO Consolidated Billing”) must use the “Bill Ready” method (unless the parties agree to another method).

(UBP- B&PP C.1.h.) Bill Cycle and payment due dates shall be set by utilities unless agreement is reached between the utilities and the ~~E/MESCO~~ to establish alternative dates that do not adversely affect customers.

(UBP- B&PP C.2.d.) Under the “Bill Ready” method, each party is responsible for calculating and identifying the sales and use taxes applicable to its own charges; under the “Rate Ready” method, the billing party will calculate the sales and use taxes to be added to customers’ bills based on tax rate information acceptable to the non-billing party (the non-billing party is responsible ultimately for its own tax liabilities).

(UBP- B&PP C.2.h.) Under the “Rate Ready” approach, the non-billing party must provide the billing party with the rates, rate codes, and/or prices (fixed and/or variable) to be used to calculate the non-billing party’s customers’ bills. The billing party shall specify in the Billing Services Agreement how many prices per service class per commodity it will accept, when they must be submitted, and how often they may be changed. The new prices will all become effective beginning with a meter reading date (or month, for gas utilities, if applicable) set by the non-billing party. The billing party will designate which prices apply to which customers at least 15 calendar days before the customers’ meter reading date (or the first of the applicable month for gas utilities, as appropriate). Absent such notifications, customers’ charges and rates will remain unchanged for the consolidated bill.

(UBP- B&PP C.2. k.) Special billing features that have no effect on the non-billing party may be implemented by the billing party to the extent not prohibited by law, regulation or Order. The non-

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	<p>billing party may offer special billing features (such as budget billing or average payment plans) where the “Bill Ready” method is used.</p> <p>(UBP- B&amp;PP C.2.1.) When the “Rate Ready” method is used, the non-billing party may offer such special features if both the billing and non-billing parties agree and address the mechanism in the Billing Agreement.</p> <p>(UBP- B&amp;PP C.3.a. (1)) <u>E/MS/ESCOs</u> must provide advance notice to utilities of plans to offer their customers a Consolidated Billing option. The option may not be operational until the adequacy of the data interchange has been successfully demonstrated to Staff of the Department of Public Service and to the specific utility through testing.</p> <p>(UBP- B&amp;PP C.3.b) <u>E/MS/ESCOs</u> and utilities must provide at least 15 calendar days advance notice (prior to a meter reading date or the first of a calendar month for gas utilities, (where applicable) to each other of any decision to change billing options offered to customers.</p> <p>(UBP- B&amp;PP C.3.c. (1)) <u>E/MS/ESCOs</u> and utilities must provide at least 15 calendar days advance notice (prior to a meter reading date or the first of a calendar month for gas utilities, where applicable) to each other of any decision to terminate a billing option available to customers.</p> <p>A change in Billing option will take place on the bill cycle date.</p> <p>The Change Request transaction containing a billing option change must be received at least 15 calendar days prior to the customer’s meter cycle date. Valid change request transactions containing a change in bill option that do not comply with the 15 day requirement will not be rejected but the change in bill option will not become effective until the next succeeding meter read date for that customer.</p> <p>The general rule is that the recipient of the change request will determine whether to update their system with the change data (see AC0). When, however, a Change Request transaction containing a billing option change is accepted, the recipient must update their system to reflect the new bill option. Receipt of a positive 814 Change Response transaction will indicate that the update was made.</p>
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**ACCOUNT CHANGE BUSINESS PROCESS**

	Change Request transactions may be initiated by either the Utility or <del>E</del> /MESCO. Any changes in customers' billing option is limited to the billing options currently available in the Utility's service territory.
<b>COMMENTS:</b>	COMMENT: During the period this document was being developed, an order on uniform business practices for billing and payment processing was pending release. Accordingly, it may be necessary to subsequently revise the business process rules in this document, regarding EDI processing for change requests pertaining to bill options, following the Collaborative's development of business processes to support various billing scenarios.

PROPOSED

## ACCOUNT CHANGE BUSINESS PROCESS

<b>PROCESS NUMBER:</b>	AC 3.0
<b>PROCESS NAME:</b>	<i>CHANGE IN CUSTOMER/ACCOUNT DATA</i>
<b>PROCESS DEFINITION:</b>	The process by which the Utility or <del>E/MESCO</del> communicates a change in customer or account information.
<b>TRIGGER(S):</b>	Customer advises Utility or <del>E/MESCO</del> of change to customer information (e.g., mailing address); Utility makes a change to customer account data (e.g. account number, meter number, rate); <del>E/MESCO</del> makes a change to customer account (e.g. ESCO rate).
<b>ESTIMATED / PEAK TRANSACTION RATE:</b>	Moderate.
<b>PROCESS INPUTS:</b>	See Parent.
<b>PROCESS OUTPUTS:</b>	<p><b>Positive Response:</b> Utility Information, <del>E/MESCO</del> information, Customer Information, Service Information, effective date of change where applicable.</p> <p><b>Negative Response:</b></p> <p>See parent for other applicable negative responses</p> <p>Requested rate not found</p> <p>Other</p>
<b>SUB OR PRECEDING</b>	See Parent

## ACCOUNT CHANGE BUSINESS PROCESS

PROCESS NUMBER:	AC 3.0
PROCESS NAME:	<i>CHANGE IN CUSTOMER/ACCOUNT DATA</i>
PROCESSES:	
PROCESS RULES:	<p>Changes may be sent on either a pending or an established customer..</p> <p>An 814 Change Request transaction may be initiated by either the Utility or the <u>E/MESCO</u>.</p> <p>A change in Life Support status must be communicated by an <u>E/MESCO</u> under the Single Retailer Model.</p> <p>Meter removal(s) will only be reported on a Change Request transaction when the account is remaining active.</p> <p>(UBP- B&amp;PP C.1.h.) Bill Cycle and payment due dates shall be set by utilities unless agreement is reached between the utilities and the <u>E/MESCO</u> to establish alternative dates that do not adversely affect customers.</p> <p>Only the Utility can change a bill cycle. The Utility must notify the ESCO/<del>Marketer</del> when the bill cycle changes.</p> <p>(UBP- B&amp;PP C.2. k.) Special billing features that have no effect on the non-billing party may be implemented by the billing party to the extent not prohibited by law, regulation or Order. The non-billing party may offer special billing features (such as budget billing or average payment plans) where the “Bill Ready” method is used.</p> <p>(UBP- B&amp;PP C.2.1.) When the “Rate Ready” method is used, the non-billing party may offer such special features if both the billing and non-billing parties agree and address the mechanism in the</p>



## ACCOUNT CHANGE BUSINESS PROCESS

PROCESS NUMBER:	AC 3.0
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	<p>Billing Agreement.</p> <p>When the Utility or the <u>E/MESCO</u> is rendering a consolidated bill, and the billing party offers budget-billing arrangements, the non-billing party must report to the billing party a change in the customer's budget billing status with respect to their charges. The billing party must update their records to note this change.</p> <p>Data subject to change:</p> <p><u>Account Level:</u></p> <p>Customer name, Customer Service Address, Name for Mailing Address, Mailing Address, Customer Phone Number, Utility Account Number, ESCO/<del>Marketer</del> Customer Account Number, Meter Cycle Code, Bill Cycle Code, Bill Presenter, Bill Calculator, Current Budget Billing Status, Partial Participation Portion, Customer on Life Support (Single Retailer Model Only), Gas Pool ID, Gas Capacity Assignment/Obligation, Gas Supply Service Option, ISO Location Based Marginal Pricing Zone, Portion Taxed Residential, Tax Exemption Percent, <u>E/MESCO</u> Commodity Price, <u>E/MESCO</u> Fixed Charge and Electric Capacity Assignment.</p> <p><u>Meter Level:</u></p> <p>Metered or Unmetered service points, Meter Number, Utility Rate Service Class, Rate Sub Class, Utility Load Profile Group Code, Measurement Type and Reporting Interval, Use Time of Day, <u>E/MESCO</u> Rate Code.</p>

## ACCOUNT CHANGE BUSINESS PROCESS

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PROCESS NUMBER:	AC 3.0
PROCESS NAME:	<i>CHANGE IN CUSTOMER/ACCOUNT DATA</i>
COMMENTS:	

PROPOSED