ATTACHMENT 7

New York Implementation Standard

For

Standard Electronic Transactions

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TRANSACTION SET

814

Change (Account Maintenance)

Ver/Rel 004010

June 30, 2016
Version 1.9

		Summary of Changes
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*TU 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*TU 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 a customer's tax rates when the customer's 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 customer's 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.
		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.

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		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 Issued**
		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

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April 7, 2015 **Version 1.6**		**Version 1.6 Issued**
		• Clarifying revisions to ESCO Service Tax Rate related segments. • Changes permitting a rate ready utility to receive a bill credit from an ESCO to be provided to an Assistance Program Participant.
July 24, 2015 **Version 1.7**		**Version 1.7 Issued**
		• Added codes EM and FX to the PER Administrative Communications Contact (Customer Phone Number) segment to support utility optional exchange of Customer email addresses and facsimile numbers with ESCOs • Rejection reason codes ECB and MOV added to REF*7G Segment • Changes to N3 Address Information (Mailing Address) & N4 Geographic Location (Mailing Address) to accommodate provision of a customer's forwarding address in APP Credit Rejection Responses when the customer has moved outside the service territory. • Clarified circumstances under which 814C could be used by a Bill Ready Utility to accept an APP Credit from an ESCO. • Added APP Credit Example • Errata - Corrected acronym for North American Industry Classification System
January 29, 2016 **Version 1.8**		**Version 1.8 Issued**
		• Modification to notes for DTM Date/Time Reference (Effective Date of Change) Segment to show ICAP Tag changes as an exception, making provision of the segment optional in this instance. • ICAP Tag oriented clarifications/examples in notes for AMT Monetary Amount (ICAP), DTM Date/Time Reference (ICAP Effective Dates) and DTM Date/Time Reference (Effective Date of Change) Segments. • ICAP Tag Change Example added. • Modification to REF Reference Identification (Gas Capacity Assignment/Obligation) Segment to correspond to Orders issued in Case No. 07-G-0299.
June 30, 2016 **Version 1.9**		**Version 1.9 Issued**
		• Existing references to Assistance Program Participant Credits (APP Credits) are changed to EPA (ESCO Pricing Adjustment) Credits; the APP Credit is one type of an EPA Credit. • Modifications to clarify EPA Credits and adjustments to EPA Credit are to be submitted as Real Numbers. • Update to conditionality of REF Reference Identification (Previous Utility Customer Account Number) segment. • PERIC code is retired to conform with usage of N18R and N1BT codes in other retail choice jurisdictions. • Added IF (Insufficient Funds) code and broadened description of the ECB code in REF Reference Identification (Reject Response Reasons) segment. • Updates to example transactions.

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		Notes pertaining to the use of this document
Purpose		• 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.
One account per 814		• Each change transaction may contain only one account for one commodity (i.e. electric, gas, etc.).
Cross referencing Request & Response Transactions		• 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. • The LIN01 element is used to cross-reference each individual LIN response with its corresponding request.
Validation Field		• In New York, the validation field is the customer's utility account number (with check digit, if included).
Request Transaction		• An 814 Change transaction can accommodate more than one change request per commodity per account. • 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. • 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. • 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. • 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.
NM1 loop structure		• 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.

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Response Transaction		• There must be one response LIN for each request LIN. • Requests are accepted or rejected at the LIN level. • 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. • The Change Response Transaction has been structured as follows: ♦ 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. ♦ 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.
Use of REF*TD segment		• 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. • REF*TD segments are located at the account (LIN) or meter (NM1) level within the document. ♦ Each data element that is being changed at the Account (LIN) level must be associated with a REF*TD segment in the LIN loop. ♦ For a meter addition, a REF*TD code of NM1MA must be present, and all new data reported in a single NM1 loop. ♦ 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). ♦ 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. ♦ For other changes at the meter level, an NM1 segment, the applicable REF*TD segment, and the segment containing the change must be present.
Conditional Segments		• 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.
Changes to Utility Account Numbers or Meter Numbers		• When updating or correcting existing Utility account numbers or meter numbers, the Change Request transaction must contain the new (or corrected) and old number. • 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. • 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.

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Use of DTM*007 segment		• A DTM*007 segment (Effective Date of Change) is used to communicate the effective date for a requested change in the following circumstances: ♦ Utility Request – required for non-DTM segments ♦ Utility Response – may be sent to establish the effective date of an ESCO requested change ♦ ESCO Requests sent to communicate a change in mailing address (required for Single Retailer Model) ♦ 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.
Data Element Attributes		• 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.
Single Retailer Model		• 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.
Conditional Data Segments		• 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.
Definitions		• 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 is used in this document to refer to either a gas or electric supplier.
Companion Documents		• 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. • In addition, further information on the Change data elements can be found in the Implementation Guide for the 814 Enrollment Request & Response.

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Implementation Guideline Field Descriptions

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.

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

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

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

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
10	010	ST	Transaction Set Header	M	1		
11	020	BGN	Beginning Segment	M	1		
			LOOP ID - N1			1	
12	040	N1	Name (ESCO)	O	1		
			LOOP ID - N1			1	
13	040	N1	Name (Utility)	O	1		
			LOOP ID - N1			1	
14	040	N1	Name (Customer)	O	1		
15	060	N3	Address Information (Service Address)	O	1		
16	070	N4	Geographic Location (Service Address)	O	1		
17	080	PER	Administrative Communications Contact (Customer Phone Number)	O	1		
			LOOP ID - N1			1	
19	040	N1	Name (Name for Mailing)	O	1		
20	060	N3	Address Information (Mailing Address)	O	1		
21	070	N4	Geographic Location (Mailing Address)	O	1		
22	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	
23	010	LIN	Item Identification	O	1		
24	020	ASI	Action or Status Indicator	O	1		
25	030	REF	Reference Identification (Reject Response Reasons)	O	1		
26	030	REF	Reference Identification (Reason for Change - Account Level)	O	1		
27	030	REF	Reference Identification (ESCO Customer Account Number)	O	1		
29	030	REF	Reference Identification (Utility Account Number)	O	1		
30	030	REF	Reference Identification (Previous Utility Account Number)	O	1		
31	030	REF	Reference Identification (Utility Account Number for ESCO)	O	1		
32	030	REF	Reference Identification (Meter Cycle Code)	O	1		
33	030	REF	Reference Identification (Bill Cycle Code)	O	1		
34	030	REF	Reference Identification (Bill Presenter)	O	1		
35	030	REF	Reference Identification (Bill Calculator)	O	1		

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36	030	REF	Reference Identification (Current Budget Billing Status)	O	1	
37	030	REF	Reference Identification (ESCO Late Fees)	O	1	
38	030	REF	Reference Identification (Partial Participation Portion)	O	1	
39	030	REF	Reference Identification (Customer on Life Support)	O	1	
40	030	REF	Reference Identification (Gas Pool ID)	O	1	
41	030	REF	Reference Identification (Gas Capacity Assignment/Obligation)	O	1	
42	030	REF	Reference Identification (ISO Location Based Marginal Pricing Zones)	O	1	
43	030	REF	Reference Identification (Portion Taxed Residential)	O	1	
44	030	REF	Reference Identification (Account Settlement Indicator)	O	1	
45	030	REF	Reference Identification (NYPA Discount Indicator)	O	1	
46	030	REF	Reference Identification (Utility Discount Indicator)	O	1	
47	030	REF	Reference Identification (Industrial Classification Code)	O	1	
48	030	REF	Reference Identification (Tax Exempt Status)	O	1	
49	040	DTM	Date/Time Reference (Effective Date of Change)	O	1	
50	040	DTM	Date/Time Reference (Assigned Service Start Date)	O	1	
51	040	DTM	Date/Time Reference (Assigned Service End Date)	O	1	
52	040	DTM	Date/Time Reference (ICAP Effective Date)	O	1	
53	060	AMT	Monetary Amount (ESCO Budget Plan Installment Amount)	O	1	
54	060	AMT	Monetary Amount (Tax Exemption Percent)	O	1	
55	060	AMT	Monetary Amount (ESCO Commodity Price)	O	1	
56	060	AMT	Monetary Amount (ESCO Fixed Charge)	O	1	
57	060	AMT	Monetary Amount(Customer's Tax Rate for ESCO Charges -1)	O	1	
58	060	AMT	Monetary Amount(Customer's Tax Rate for ESCO Charges -2)	O	1	
59	060	AMT	Monetary Amount (ICAP)	O	1	
60	060	AMT	Monetary Amount (ESCO Pricing Adjustment Credit)	O	1	
			LOOP ID - NM1			>1
61	080	NM1	Metered or UnMetered Service Points	O	1	
63	130	REF	Reference Identification (Reason for Change - Meter Level)	O	>1	
64	130	REF	Reference Identification (Old Meter Number)	O	1	
65	130	REF	Reference Identification (Utility Rate Service Class)	O	1	
66	130	REF	Reference Identification (Utility Rate Sub Class)	O	1	
67	130	REF	Reference Identification (Utility Load Profile Group Code)	O	1	
68	130	REF	Reference Identification (Measurement Type and Reporting Interval)	O	1	
70	130	REF	Reference Identification (Use Time of Day)	O	>1	
72	130	REF	Reference Identification (ESCO Rate Code)	O	1	
73	150	SE	Transaction Set Trailer	M	1	
E-1			Examples			

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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

	Ref. Des.	Data Element	Name	Attributes	
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**

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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. Des.	Data Element	Name	Attributes
Mand.	**BGN01**	**353**	**Transaction Set Purpose Code** 11 Response 13 Request	**M ID 2/2**
Mand.	**BGN02**	**127**	**Reference Identification** 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.	**M AN 1/30**
Mand.	**BGN03**	**373**	**Date** The date the transaction was created by the sender's applications system in the form CCYYMMDD.	**M DT 8/8**
Cond.	**BGN06**	**127**	**Reference Identification** Refers to the BGN02 identification number of the original Request. This element is "Not Used" on Request transactions but is "Required" on Response transactions.	**O AN 1/30**

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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

	Ref. Des.	Data Element	Name		Attributes	
Mand.	**N101**	**98**	**Entity Identifier Code**		**M**	**ID 2/3**
			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.		
Optional	**N102**	**93**	**Name**		**X**	**AN 1/60**
			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.			
Must Use	**N103**	**66**	**Identification Code Qualifier**		**X**	**ID 1/2**
			1	D-U-N-S Number, Dun & Bradstreet		
			9	D-U-N-S+4, D-U-N-S Number with Four Character Suffix		
			24	Employer's Identification Number Federal Tax ID		
Must Use	**N104**	**67**	**Identification Code**		**X**	**AN 2/80**
			The D-U-N-S number or the Federal Tax ID			

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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**		**M**	**ID 2/3**
			8S	Consumer Service Provider (CSP)		
				Identifies the Utility participating in this transaction.		
Optional	**N102**	**93**	**Name**		**X**	**AN 1/60**
			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.			
Must Use	**N103**	**66**	**Identification Code Qualifier**		**X**	**ID 1/2**
			1	D-U-N-S Number, Dun & Bradstreet		
			9	D-U-N-S+4, D-U-N-S Number with Four Character Suffix		
			24	Employer's Identification Number		
				Federal Tax ID		
Must Use	**N104**	**67**	**Identification Code**		**X**	**AN 2/80**
			The D-U-N-S number or Federal Tax ID			

FINAL

Segment: **N1** **Name (Customer)**
Position: 040
Loop: N1 Optional (Dependent)
Level: Heading
Usage: Optional (Dependent)
Max Use: 1
Purpose: To identify the customer in this transaction.
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 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

	Ref. Des.	Data Element	Name		Attributes	
Mand.	**N101**	**98**	**Entity Identifier Code**		**M**	**ID 2/3**
			8R	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'.			

FILED

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

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

FILED

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

	Ref. Des.	Data Element	Name	Attributes	
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**

FILED

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, Facsimile Number and/or Email Address when this information was unavailable at the time an enrollment request was processed or to correct such information previously sent in an Enrollment Accept Response transaction. This segment may be sent by an ESCO to provide the correct or missing information when the information provided in an Enrollment Response has been determined to be incorrect or absent. This segment is sent in an N1 (Customer) Loop and must be accompanied by an N1*8R segment.

The format for phone/facsimile numbers is area code + 7 digit number (xxxyyyzzzz).

If a change is made to this segment, the N18R code is transmitted in the REF*TD segment at position 030.

In its Utility Maintained EDI Guide, a utility will indicate if it accepts and/or sends Change Requests containing the Customer's Telephone/Facsimile number and/or Email Address.

PER~IC~~TE~8455551212
PER~IC~~TE~7165551212~FX~8455551234~EM~CUSTNAME@EMAILSERV.COM
PER~IC~~EM~CUSTNAME@EMAILSERV.COM

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**
			EM	Email Address		
			FX	Facsimile		
			TE	Telephone		
				Code identifying the type of communication number/ address for the customer associated with this account.		
Must Use	**PER04**	**364**	**Communication Number**		**X**	**AN 1/80**
			Complete communications number/address according to sender's records.			
Optional	**PER05**	**365**	**Communication Number Qualifier**		**X**	**ID 2/2**
			EM	Email Address		
			FX	Facsimile		
			TE	Telephone		
				Code identifying the type of communication number/ address for the customer associated with this account.		
Optional	**PER06**	**364**	**Communication Number**		**X**	**AN 1/80**
			Complete communications number/address according to sender's records.			
Optional	**PER07**	**365**	**Communication Number Qualifier**		**X**	**ID 2/2**
			EM	Email Address		

			FX	Facsimile		
			TE	Telephone		
				Code identifying the type of communication number/ address for the customer associated with this account.		
Optional	**PER08**	**364**	**Communication Number**		**X**	**AN 1/80**
			Complete communications number/address according to sender's records.			

FILED

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: Conditional

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.

When rejecting an EPA Credit because the customer has moved outside the service territory, this segment may be used to indicate the customer's forwarding address will be sent (if known by the utility).

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**		**M**	**ID 2/3**
			BT	Bill-to-Party		
				Name for Mailing Address		
Mand.	**N102**	**93**	**Name**		**M**	**AN 1/60**
			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".			

FILED

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: Conditional

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 accompanied by an N1*BT segment.

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) if specified by a utility in its Utility Maintained EDI Guide.

When rejecting an EPA Credit because the customer has moved outside the service territory, this segment, accompanies by an N1*BT segment may be used to send the customer's forwarding address (if known by the utility).

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**

FILE

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.

When rejecting an EPA Credit because the customer has moved outside the service territory, this segment, accompanies by an N1*BT segment may be use to send the customer's forwarding address (if known by the utility).

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: 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". 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: • City Name and Country Name and transmit postal codes in the N403 element. • The literal "Foreign Address" and transmit the address in the N3 segment. • The City Name, Country Name and postal code in this element (up to 30 characters). • The City Name and Country Name.		
Cond.	**N402**	**156**	**State or Province Code**	**O**	**ID 2/2**
			Code (Standard State/Province) as defined by appropriate government agency. A utility may elect to populate this element with: • State codes. • State codes within their service territory, i.e. NY or PA. Otherwise, this element will not be sent by other Utilities.		
Cond.	**N403**	**116**	**Postal Code**	**O**	**ID 3/15**
			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: • US zip codes and Canadian or other foreign postal codes. • US zip code information only when the mailing address is located within their service territory.		

FINAL

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 N1BT 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).			

FILED

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~AACCDD0102004A~SH~EL~SH~CE This change pertains to electric service

Data Element Summary

	Ref. Des.	Data Element	Name		Attributes	
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.		

FILED

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

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

FILED

Segment: **REF** **Reference Identification (Reject Response Reasons)**
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:
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.

If codes 008, ECB or MOV are used to reject AMT7 (ESCO Pricing Adjustment Credit) the supplier is responsible for directly reimbursing the customer.

REF~7G~C11

Data Element Summary

	Ref. Des.	Data Element	Name		Attributes	
Mand.	**REF01**	**128**	**Reference Identification Qualifier**		**M**	**ID 2/3**
			7G	Data Quality Reject Reason Reject reasons associated with a reject status notification.		
Must Use	**REF02**	**127**	**Reference Identification**		**X**	**AN 1/30**
			008	Account Inactive or Pending Inactive		
			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		
			ECB	EPA Credit cannot be included on customer bill due to current ESCO's Combined Billing model selection (REF03 required)		
			IF	EPA Credit not sufficiently funded		
			FRB	Incorrect billing option (REF*BLT) requested		
			FRC	Incorrect bill calculation type (REF*PC) requested		
			M76	Meter Number Invalid or Not Found		
			MOV	Customer moved outside service territory		
			W05	Requested rate not found		
Cond.	**REF03**	**352**	**Description**		**X**	**AN 1/80**
			Used to provide explanatory text for an A13, API or ECB reject code.			

FILE

Segment: **REF** **Reference Identification (Reason for Change - Account Level)**
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:
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

	Ref. Des.	Data Element	Name		Attributes	
Mand.	**REF01**	**128**	**Reference Identification Qualifier**		**M**	**ID 2/3**
			TD	Reason for Change		
Must Use	**REF02**	**127**	**Reference Identification**		**X**	**AN 1/30**
			AMT7	Change ESCO Pricing Adjustment Credit Used to report a credit to the customer's account when the ESCO has charged a customer that receives service subject to a price gaurantee more than what the customer would have paid the utility and the ESCO is required to provide a credit to the customer. The Utility will include this one-time credit on the customer's next bill.		
			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 may 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 may 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 may 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 may 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.		

FILED

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 to report a change in the Assigned Service Start Date.
DTM151	Change Service Period End Date
	A Drop is pending. This code is used by the Utility to report a change in the Assigned Service End Date.
N18R	Change Contact Information or Service Address
	Use this code when the Customer contact information, e.g. name, phone, fax or email, on the account is being changed and/or a change of service address is being reported.
N1BT	Change Contact Information for Mailing or Mailing Address
	Use this code when the Customer contact information, e.g. name, phone, fax or email, for mailing and/or the mailing address is being changed.
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

FILED

Segment: **REF** **Reference Identification (ESCO 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
ESCO Response: Not Applicable

ESCO Request: Conditional
Utility Response: Conditional

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

Data Element Summary

	Ref. Des.	Data Element	Name	Attributes	
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**

FILED

Segment: **REF** **Reference Identification (Utility Account Number)**
Position: 030
Loop: LIN Optional (Must Use)
Level: Detail
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.
Notes:
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

	Ref. Des.	Data Element	Name	Attributes
Mand.	**REF01**	**128**	**Reference Identification Qualifier** 12 Billing Account Account number under which billing is rendered 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 without intervening spaces or non-alphanumeric characters. (Characters added to aid in visible presentation on a bill, for example, should be removed)	**X AN 1/30**
Cond.	**REF03**	**352**	**Description** 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	**X AN 1/80**

FILED

Segment: **REF** **Reference Identification (Previous Utility 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: Conditional
ESCO Response: Not Used

ESCO Request: Not Used
Utility Response: Not Applicable

Where a utility changes an existing customer's account number as a business process (and as noted in its Utility Maintained EDI Guide), this segment must be sent by the Utility when the utility assigned account number for the customer is changed.

REF~45~9194132485705971

Data Element Summary

	Ref. Des.	Data Element	Name		Attributes	
Mand.	**REF01**	**128**	**Reference Identification Qualifier**		**M**	**ID 2/3**
			45	Old Account Number Identifies accounts being changed REF02 is the Utility's previous account number for the customer.		
Must Use	**REF02**	**127**	**Reference Identification**		**X**	**AN 1/30**
			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.			

FILES

Segment: **REF** **Reference Identification (Utility Account Number for ESCO)**
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.

REF~AJ~3134597

Data Element Summary

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

FILED

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 65 Total Order Cycle Number	**M**	**ID 2/3**
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. BIM bi-monthly MON monthly QTR quarterly	**X**	**AN 1/80**

FINAL

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
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

	Ref. Des.	Data Element	Name		Attributes	
Mand.	**REF01**	**128**	**Reference Identification Qualifier**		**M**	**ID 2/3**
			BF	Billing Center Identification Billing cycle. Cycle number indicating when this customer is scheduled for billing.		
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.		**O**	**AN 1/80**
			BIM	bi-monthly		
			MON	monthly		
			QTR	quarterly		

FILES

Segment: **REF** **Reference Identification (Bill Presenter)**
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 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.			

FILE

Segment: **REF** **Reference Identification (Bill Calculator)**
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 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**		**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 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.		
			LDC	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.		

FILE

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

	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.	

FILE

Segment: **REF** **Reference Identification (ESCO Late Fees)**
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:
ESCO Request: Conditional
Utility Response: Conditional

Utility Request: Not Used
ESCO Response: Not Used

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.

The code REFLF should be sent in the REF*TD segment at the account to identify the change.
REF~LF~N2
REF~LF~Y2

Data Element Summary

	Ref. Des.	Data Element	Name		Attributes	
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.		

FILE

Segment: **REF** **Reference Identification (Partial Participation Portion)**
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 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

	Ref. Des.	Data Element	Name		Attributes	
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		

FILE

Segment: **REF** **Reference Identification (Customer on Life Support)**
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:
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

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

FILED

Segment: **REF** **Reference Identification (Gas Pool ID)**
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
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

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

FILED

Segment: **REF** **Reference Identification (Gas Capacity Assignment/Obligation)**
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

GAS ONLY. This segment is provided to the ESCO by the Utility to convey a change in the intended or obligated pipeline capacity requirements necessary to meet the needs of the end use customer as described in its Utility Maintained EDI Guide.

REF~GC~YES
REF~GC~NO

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	No: ESCO must arrange for capacity for the customer being enrolled		
			Y	Yes: ESCO must take the Utility release or assignment of its pipeline capacity for the customer		

FILED

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

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

FILE

Segment: **REF** **Reference Identification (Portion Taxed Residential)**
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

Where required by a utility in its Utility Maintained EDI Guide, 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

	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		

FILED

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

	Ref. Des.	Data Element	Name		Attributes	
Mand.	**REF01**	**128**	**Reference Identification Qualifier**		**M**	**ID 2/3**
			TDT	Technical Documentation Type		
				Account Settlement Indicator		
Must Use	**REF02**	**127**	**Reference Identification**		**X**	**AN 1/30**
			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.		

FILED

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

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

FILED

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

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

FILED

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~123456~NAICS
REF~IJ~1234~SIC

Data Element Summary

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

FINAL

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. Des.	Data Element	Name		Attributes	
Mand.	**REF01**	**128**	**Reference Identification Qualifier**		**M**	**ID 2/3**
			TX	Tax Exempt Number Indicates the Utility's Tax Exemption Status at the time the transaction is created.		
Must Use	**REF02**	**127**	**Reference Identification**		**X**	**AN 1/30**
			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.		

FILED

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 ICAP Tags, 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.

When a DTM~007 segment is not sent and the date has not been provided in another DTM segment (DTM~105, DTM~AB2…), it can be presumed that the transaction date is the effective date of the change. In any case, the utility should clarify its use of this segment in its Utility Maintained EDI Guide.

DTM~007~20060917

Data Element Summary

	Ref. Des.	Data Element	Name	Attributes	
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.		

FILE

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

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

FILED

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

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

FILED

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

The ICAP tag effective dates should be sent with ICAP Tag changes.

DTM~AB2~~~~RD8~20150501-20160430

Data Element Summary

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

FILE

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 Qualifier Code**		**M ID 1/3**
			B5	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.		

FINAL

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, unless in its Utility Maintained EDI Guide a utility provides another means to implement the customer's sales tax exemption.

This segment is not applicable to the Single Retailer Model.

AMT~DP~1
AMT~DP~.75

Data Element Summary

	Ref. Des.	Data Element	Name	Attributes	
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's service is exempt from state sales tax. See AMT02 for valid values.		
Mand.	**AMT02**	**782**	**Monetary Amount**	**M**	**R 1/18**
			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.		

FILE

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.			

FILE

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

	Ref. Des.	Data Element	Name	Attributes	
Mand.	**AMT01**	**522**	**Amount Qualifier Code**	**M**	**ID 1/3**
			FW Flat Fee Paid Current Month ESCO 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.		

FILED

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.

In its Utility Maintained EDI Guide, the utility will indicate if it supports the AMT*9M segment and if so, whether and how it is supported in conjunction with the AMT*9N and REF*RP segments.
Where supported:

- 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.
- This segment is sent by an ESCO to report a change in the composite tax rate to compute the applicable tax amount associated with the ESCO charges.

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. Des.	Data Element	Name	Attributes
Mand.	**AMT01**	**522**	**Amount Qualifier Code** 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.	**M ID 1/3**
Mand.	**AMT02**	**782**	**Monetary Amount** For percentage values, the whole number "1" will represent 100 percent; decimal numbers less than "1" represent percentages.	**M R 1/18**

FILE

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.
In its Utility Maintained EDI Guide, the utility will indicate if it supports the AMT*9N segment and if so, whether and how it is supported in conjunction with the AMT*9M and REF*RP segments.
Where supported:

- 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.
- This segment is sent by an ESCO to report a change in the composite tax rate to compute the applicable tax amount associated with the ESCO charges.

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** 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.	**M**	**ID 1/3**
Mand.	**AMT02**	**782**	**Monetary Amount** For percentage values, the whole number "1" will represent 100 percent; decimal numbers less than "1" represent percentages.	**M**	**R 1/18**

FILE

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. The ICAP tag effective dates should be provided with this segment.

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

AMT~KZ~.015
DTM~AB2~~~~RD8~20140501-20150430

AMT~KZ~0.15~C
DTM~AB2~~~~RD8~20140501-20150430

Data Element Summary

	Ref. Des.	Data Element	Name		Attributes	
Mand.	**AMT01**	**522**	**Amount Qualifier Code**		**M**	**ID 1/3**
			KZ	Corrective Action Requests - Written 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.			
	AMT03	**478**	**Credit/Debit Flag Code**			**ID 1/1**
			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.		

FILE

Segment: **AMT** **Monetary Amount (ESCO Pricing Adjustment Credit)**
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 an EPA credit, e.g. an Assistance Program Participant Credit, is to be included on a Rate Ready Consolidated customer bill. This segment would only be sent when the ESCO has charged the customer more than what the utility would have and the ESCO is required to provide a credit to the customer.

Additionally, at utilities providing Bill Ready Consolidated customer bills, in cases where the ESCO issuing the credit is no longer serving the customer (and therefore no monthly usage is available for that ESCO) , unless the Utility has specified a non-EDI process in its Utility Maintained EDI Guide, this segment should be used by the ESCO.

The utility will use this segment to apply a one-time credit to the customer's bill. This credit will be reflected in the 810 issued by a rate ready utility that is sent to the ESCO for the period where the credit was applied. This credit will be reflected in the 820 issued by a bill ready utility, or by a rate ready utility if the ESCO is no longer serving the customer, for the period where the credit was applied.

The 814 Change must be sent to the utility at least 4 business days prior to the scheduled meter read date in order to be included in the rate ready calculation for that bill period. In the event the 814 Change is not sent in time, the utility may hold the transaction for the next billing cycle or reject the 814 Change. If utility cannot issue a bill to the customer because the account is inactive, the Utility will reject the 814 Change and the ESCO is responsible for directly reimbursing the customer.

AMT~7~-2.15

Data Element Summary

	Ref. Des.	Data Element	Name	Attributes
Mand.	**AMT01**	**522**	**Amount Qualifier Code**	**M ID 1/3**
			7 Discount Amount Due ESCO Pricing Adjustment Credit	
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. See Front Matter notes regarding syntax for real number elements. An EPA Credit shown as a negative amount. Adjustments to reduce prior EPA Credits are shown as positive amounts. For example, if the customer is owed a credit of $2.15, the ESCO would send AMT~7~-2.15. If an ESCO intends to adjust a previously issued EPA Credit to reflect a smaller net credit, it would send AMT~7~1.08, for example.	

Segment: **NM1** **Metered or Un-Metered Service Points**
Position: 080
Loop: NM1 Optional (Dependent)
Level: Detail
Usage: Optional (Dependent)
Max Use: 1
Purpose: To supply the full name of an individual or organizational entity
Syntax Notes: **1** If either NM108 or NM109 is present, then the other is required.
2 If NM111 is present, then NM110 is required.
Semantic Notes: **1** NM102 qualifies NM103.
Notes: 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

	Ref. Des.	Data Element	Name		Attributes
Mand.	**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.		
Mand.	**NM102**	**1065**	**Entity Type Qualifier**		**M**	**ID 1/1**
			3	Unknown		
				NM102 is an X12 required element.		
Must Use	**NM108**	**66**	**Identification Code Qualifier**		**X**	**ID 1/2**
			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.		
Must Use	**NM109**	**67**	**Identification Code**		**X**	**AN 2/80**
			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).			

FILED

Segment: **REF** **Reference Identification (Reason for Change - Meter Level)**
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:
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

	Ref. Des.	Data Element	Name		Attributes	
Mand.	**REF01**	**128**	**Reference Identification Qualifier**		**M**	**ID 2/3**
			TD	Reason for Change		
Must Use	**REF02**	**127**	**Reference Identification**		**X**	**AN 1/30**
			NM1MQ	Change Metering Location Use this code when indicating a change in the attributes of an existing meter(s) or un-metered service end points including corrections to meter number(s) previously sent		
			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		

FILED

Segment: **REF** **Reference Identification (Old Meter Number)**
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

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**

FILED

Segment: **REF** **Reference Identification (Utility Rate Service 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

This segment is sent by the Utility to report a change in the customer's service class designation.

REF~NH~1B
REF~NH~931

Data Element Summary

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

FILED

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

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

FILED

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

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

FILED

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
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

	Ref. Des.	Data Element	Name	Attributes
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**

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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.)

FILE

Segment: **REF** **Reference Identification (Use Time of Day)**
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

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.

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 }

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.		

FILE

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.

FILE

Segment: **REF** **Reference Identification (ESCO Rate 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: 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

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

FINAL

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

	Ref. Des.	Data Element	Name	Attributes	
Mand.	**SE01**	**96**	**Number of Included Segments**	**M**	**N0 1/10**
Mand.	**SE02**	**329**	**Transaction Set Control Number**	**M**	**AN 4/9**

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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 ***814***; control number assigned by originator
BGN*13*20060918001*20060918!	Transaction is a ***Request***; 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 ***814***; control number assigned by originator
BGN*11*00013415*20060920***20060918001!	Transaction is a ***Response***; 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

FILED

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

ST*814*0002!	Transaction Set header; transaction defined is an ***814***; control number assigned by originator
BGN*13*200609185101*20060918!	Transaction is a ***Request***; 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, Mailing Address or Mailing Address Contact Info
REF*12*994102162510009!	Utility Account Number
SE*13*0002!	Transaction Set trailer; segment count; control number

2. B. Response(s) to Request to Change Mailing Address and Telephone Number

ST*814*0004!	Transaction Set header; transaction defined is an ***814***; control number assigned by originator
BGN*11*00056799*20060920***200609185101!	Transaction is a ***Response***; 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, Mailing Address or Mailing Address Contact Info
REF*12*994102162510009!	Utility Account Number
DTM*007*20060920!	Effective Date of Change
SE*10*0004!	Transaction Set trailer; segment count; control number

FILED

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 ***814***; control number assigned by originator
BGN*13*10000301145101*20060918!	Transaction is a ***Request***; 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!	2nd 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!	3rd 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

FILED

Scenario 3B: ESCO Response to Meter Exchange Request

ST*814*0006!	Transaction Set header; transaction defined is an ***814***; control number assigned by originator
BGN*11*10000402072435*20060920***10000301 145101!	Transaction is a ***Response***; 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!	2nd LIN Request
ASI*WQ*001!	Accept Request
REF*12*3754464703!	Utility Account Number
LIN*ABC003*SH*GAS*SH*CE!	3rd LIN Request
ASI*WQ*001!	Accept Request
REF*12*3754464703!	Utility Account Number
SE*14*0006!	Transaction Set trailer; segment count; control number

FILED

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

ST*814*0001!	Transaction Set header; transaction defined is an ***814***; control number assigned by originator
BGN*13*20060918058*20060918!	Transaction is a ***Request***; 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!	**2nd LIN Request**
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!	**3rd LIN Request**
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!	**4th LIN Request**
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!	**5th LIN Request**
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

FILED

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 ***814***; control number assigned by originator
BGN*11*10000402072434*20060920***20060918 058!	Transaction is a ***Response***; 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!	**2nd LIN Response**
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!	**3rd LIN Response**
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!	**4th LIN Response**
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!	**5th LIN Response**
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

FILED

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 ***814***; control number assigned by originator
BGN*13*40000301145101*20060918!	Transaction is a ***Request***; 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*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 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*AACCDD01005A*SH*EL*SH*CE!	**2nd LIN Request**
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 ***814***; control number assigned by originator
BGN*11*0123456*20060920***40000301145101!	Transaction is a ***Response***; 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*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*AACCDD01005A*SH*EL*SH*CE!	Response to 2nd 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

FILED

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

ST*814*0005!	Transaction Set header; transaction defined is an ***814***; control number assigned by originator
BGN*11*9797900*20060920***40000301145101!	Transaction is a ***Response***; 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 2nd 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

FILED

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 ***814***; control number assigned by originator
BGN*13*200609180001*20060918!	Transaction is a ***Request***; 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!	**2nd 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 the Customer
REF*65*15*MON!	Meter Cycle Code & Frequency
DTM*007*20060918!	Effective Date of Change
LIN*00103*SH*GAS*SH*CE!	**3rd 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 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

FILED

Electric Account:

ST*814*0007!	Transaction Set header; transaction defined is an ***814***; control number assigned by originator
BGN*13*200609180002*20060918!	Transaction is a ***Request***; 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!	2nd 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!	3rd 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

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

ST*814*0001!	Transaction Set header; transaction defined is an ***814***; control number assigned by originator
BGN*13*20060918001*20060918!	Transaction is a ***Request***; 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*N18R!	Change Reason - Change in Service Address Contact Info 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 ***814***; control number assigned by originator
BGN*11*00013415*20060920***20060918001!	Transaction is a ***Response***; 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*N18R!	Echo Back Change Reason - Change in Service Address Contact Info Customer Telephone Number
REF*12*6157324112!	Utility Account Number for Customer
SE*9*0083!	Transaction Set trailer; segment count; control number

FILED

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

ST*814*0001!	Transaction Set header; transaction defined is an ***814***; control number assigned by originator
BGN*13*20060705099*20060705!	Transaction is a ***Request***; 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 ***814***; control number assigned by originator
BGN*11*001266489*20060707***20060705099!	Transaction is a ***Response***; 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

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Scenario 9A: ESCO Change Request: EPA Credit

ST*814*0003!	Transaction Set header; transaction defined is an ***814***; control number assigned by originator
BGN*13*40000301145101*20060918!	Transaction is a ***Request***; 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*AACCDD01004A*SH*EL*SH*CE!	Unique transaction reference number, change pertains to electric service
ASI*7*001!	Action is a Change Request
REF*TD*AMT7!	Change Reason Code – EPA Credit
REF*11*A12345009Z!	ESCO Account Number for the Customer
REF*12*5219350004!	Utility Account Number for the Customer
AMT*7*-2.15!	EPA Credit Amount
SE*11*0003!	Transaction Set trailer; segment count; control number

Scenario 9B: a. Utility Response: Accept EPA Credit

ST*814*0004!	Transaction Set header; transaction defined is an ***814***; control number assigned by originator
BGN*11*0123456*20060920***40000301145101!	Transaction is a ***Response***; 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*WQ*001!	Accept Change Request
REF*TD*AMT7!	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
SE*10*0004!	Transaction Set trailer; segment count; control number

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Scenario 9B: b. Utility Response: Reject EPA Credit Customer Moved

ST*814*0005!	Transaction Set header; transaction defined is an ***814***; control number assigned by originator
BGN*11*9797900*20060920***40000301145101!	Transaction is a ***Response***; 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
N1*BT*CUSTOMER NAME!	Customer's Forwarding Address Name
N3*123 MAIN ST!	Forwarding Address
N4*ANYTOWN*NY*14999!	Forwarding City and State
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*MOV!	Reject Reason Code
REF*TD*AMT7!	Echo back Reason for Change – EPA Credit
REF*11*A12345009Z!	ESCO Account Number for the Customer
SE*13*0005!	Transaction Set trailer; segment count; control number

FILED

Scenario 10: ICAP Tag Change Example

ST*814*0001!	Transaction Set header; transaction defined is an ***814***; control number assigned by originator
BGN*13*010276641*20150908!	Transaction is a ***Request***; Unique id number for this transaction; transaction creation date;
N1*SJ*ESCO NAME*1*888888888!	ESCO Name and DUNS number
N1*8S*UTILITY NAME*1*006977763!	Utility Name & DUNS number
LIN*010276642*SH*EL*SH*CE!	Unique transaction reference number for the request, response pertains to electric service
ASI*7*001!	Change Request
REF*11*A12345009Z!	ESCO Account Number for the Customer
REF*12*5219350004!	Utility Account Number for the Customer
REF*TD*AMTKZ!	Change Reason - ICAP Tag Change
DTM*AB2****RD8*20150501-20160430!	Range of Effective Dates for ICAP Tag
AMT*KZ*2.1555486*D!	ICAP Tag with no Special Program Adjustment Indicator
SE*12*0001!	Transaction Set trailer; segment count; control number

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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)[1] 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.*
- Order Granting and Denying Petitions for Rehearing in Part, issued and effective February 6, 2015 in Case 12-M-0476 *et.al*.
- Order Resetting Retail Energy Markets and Establishing Further Process, Issued and Effective February 23, 2016 in Case 15-M-0127 et al.

NOTES:

- References to the text of the Uniform Business Practices (UBPs) displayed in the Process Rules sections in this document are those UBPs that are relevant to the scope of the business processes being described in this document and incorporated, by reference, into this document. Those UBP(s) that require elaboration, clarification, or interpretation in light of other EDI standards or modification to accommodate EDI data exchange processes will be displayed in the Process Rules section AND will also be highlighted in the Comments/Recommendations/Issues section.

- 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.

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

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- 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, except where optionality is permitted as noted in the Implementation Guide. The utility should clarify how it exercises this optionality in its Utility Maintained EDI Guide). 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.

- 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.

- Process scenarios for ESCO Pricing Adjustment Bill Credits are provided in the 820 REMITTANCE FOR CONSOLIDATED BILLING Business Process Document.

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ACCOUNT CHANGE BUSINESS PROCESS

AC0 Process Account Change Request *4*
AC1.0 Change In Service Start/ End Date *7*
AC2.0 Change in Billing Option *9*
AC3.0 Change In Customer/Account Data *13*
AC4.0 ESCO Pricing Adjustment Credit Provided by ESCO to Utility for URR Customer Bill *16*

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ACCOUNT CHANGE BUSINESS PROCESS

PROCESS NUMBER:	AC0
PROCESS NAME:	***PROCESS ACCOUNT CHANGE REQUEST***
PROCESS DEFINITION:	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.
TRIGGER(S):	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.
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:	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). 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.
PROCESS OUTPUTS:	**Positive Response:** See Sub-processes. **Negative Response:** Account Not Found (this includes inactive account numbers as well as no account number found). Account Does Not Have Service Requested. Required Information Missing Change Reason Missing Or Invalid Meter Number Invalid or Not Found

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ACCOUNT CHANGE BUSINESS PROCESS

PROCESS NUMBER:	AC0
PROCESS NAME:	***PROCESS ACCOUNT CHANGE REQUEST***
SUB OR PRECEDING PROCESSES:	• Utility or ESCO makes a change to a customer account. • Utility or ESCO reports the change to the other party. • Utility or ESCO processes update to customer account as applicable. • Utility or ESCO responds to change request. The following sub-processes are described in this document: • AC1.0 Change In Service Start/ End Date. • AC2.0 Change in Billing Option. • AC3.0 Change In Customer/Account Data.
PROCESS RULES:	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. Multiple responses to a change request may be initiated as each individual change is processed. The Utility must always communicate the effective date of change on a Change Request transaction. The Utility Change Response transaction may contain an "effective date of change". In the Single Retailer Model, the ESCO may be required to communicate an effective date for certain 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

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PROCESS NUMBER:	AC0
PROCESS NAME:	***PROCESS ACCOUNT CHANGE REQUEST***
	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). Agreements between the Utility and a participating ESCO 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

PROCESS NUMBER:	AC 1.0
PROCESS NAME:	***CHANGE IN SERVICE START/ END DATE***
PROCESS DEFINITION:	The process by which the Utility communicates a change in service start date or service end date.
TRIGGER(S):	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).
ESTIMATED / PEAK TRANSACTION RATE:	High during promotional periods; moderate during open enrollment.
PROCESS INPUTS:	See Parent
PROCESS OUTPUTS:	**Positive Response:** Utility Information, ESCO information, Customer Information, Service Information. **Negative Response:** See parent.
SUB OR PRECEDING PROCESSES:	See Parent.
PROCESS RULES:	A Change Request transaction to communicate a change in service start or end date can only be sent by the Utility. The ESCO cannot send a Change Request transaction to communicate a change in the service start or service end date.

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ACCOUNT CHANGE BUSINESS PROCESS

PROCESS NUMBER:	AC 1.0
PROCESS NAME:	***CHANGE IN SERVICE START/ END DATE***
	A change in the service start date can only be requested when an enrollment is pending. A change in the service end date can only be requested when a drop is pending.
COMMENTS:	

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ACCOUNT CHANGE BUSINESS PROCESS

PROCESS NUMBER:	AC 2.0
PROCESS NAME:	***CHANGE IN BILLING OPTION***
PROCESS DEFINITION:	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.
TRIGGER(S):	A change in billing relationship with the customer.
ESTIMATED / PEAK TRANSACTION RATE:	Low to moderate.
PROCESS INPUTS:	See Parent.
PROCESS OUTPUTS:	**Positive Response:** Utility Information, ESCO information, Customer Information, Service Information, effective date of change (Utility only). **Negative Response:** See parent for other applicable negative responses Incorrect billing option requested. Incorrect bill calculation type Requested rate not found

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PROCESS NUMBER:	AC 2.0
PROCESS NAME:	***CHANGE IN BILLING OPTION***
	Other
SUB OR PRECEDING PROCESSES:	See parent.
PROCESS RULES:	Change transactions may be sent for either a pending or an established customer. [UBP B&PP E.2.] [CWG] 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 . [CWG] Eligible ESCOs may select, from the options available [in a service territory], which billing option(s) to offer their customers. [CWG] 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 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. [CWG] [Regarding B&PP C.2.] 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). [CWG] [Regarding B&PP C.4.] Bill Cycle and payment due dates shall be set by utilities unless

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PROCESS NUMBER:	AC 2.0
PROCESS NAME:	*CHANGE IN BILLING OPTION*
	agreement is reached between the utilities and the ESCO to establish alternative dates that do not adversely affect customers. [CWG] [Regarding B&PP D.1.e.] 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). [CWG] [Regarding B&PP D.5.] 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. [CWG] 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. [CWG] [Regarding B&PP D.8.] 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. [CWG] [Regarding B&PP B.8.] 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

FINAL

PROCESS NUMBER:	AC 2.0
PROCESS NAME:	***CHANGE IN BILLING OPTION***
	data interchange has been successfully demonstrated to Staff of the Department of Public Service and to the specific utility through testing. [CWG] 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 calender 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. Change Request transactions may be inititated 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.
COMMENTS:	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.

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ACCOUNT CHANGE BUSINESS PROCESS

PROCESS NUMBER:	AC 3.0
PROCESS NAME:	***CHANGE IN CUSTOMER/ACCOUNT DATA***
PROCESS DEFINITION:	The process by which the Utility or ESCO communicates a change in customer or account information.
TRIGGER(S):	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).
ESTIMATED / PEAK TRANSACTION RATE:	Moderate.
PROCESS INPUTS:	See Parent.
PROCESS OUTPUTS:	**Positive Response:** Utility Information, ESCO information, Customer Information, Service Information, effective date of change where applicable. **Negative Response:** See parent for other applicable negative responses Requested rate not found Other
SUB OR PRECEDING PROCESSES:	See Parent
PROCESS RULES:	[UBPs CI B.1, B.3 & C] Changes may be sent on either a pending or an established customer.. An 814 Change Request transaction may be initiated by either the Utility or the ESCO. A change in Life Support status must be communicated by an ESCO under the Single Retailer Model. Meter removal(s) will only be reported on a Change Request transaction when the account is remaining active.

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PROCESS NUMBER:	AC 3.0
PROCESS NAME:	***CHANGE IN CUSTOMER/ACCOUNT DATA***
	[CWG] [Regarding B&PP C.4.] 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. Only the Utility can change a bill cycle. The Utility must notify the ESCO when the bill cycle changes. [CWG] 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. [CWG] [Regarding B&PP D.8.) 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. 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 billing status with respect to their charges. The billing party must update their records to note this change. [CWG] If a customer has a pending switch to another ESCO, the Utility should 1) send changes to both the current ESCO and pending ESCO up until the switch date unless the change is relevant to a cancel/rebill situation or 2) if it does not send changes to the pending ESCO until the switch date, provide such changes in a non-EDI format. If a former ESCO believes it should receive other customer/account data changes following the switch date, the ESCO (provided that it has customer authorization) may submit a non-EDI request to the Utility. Data subject to change: <u>Account Level</u>: Customer name, Customer Service Address, Name for Mailing Address, Mailing Address, Customer

FILED

PROCESS NUMBER:	AC 3.0
PROCESS NAME:	***CHANGE IN CUSTOMER/ACCOUNT DATA***
	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, Industrial Classification Code, Utility Tax Exempt Status, Account Settlement Indicator, NYPA Discount Indicator, Utility Discount, ICAP Effective Dates, Future ICAP Tag, Future ICAP Tag Effective Dates. Meter Level: 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.
COMMENTS:	

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ACCOUNT CHANGE BUSINESS PROCESS

PROCESS NUMBER:	AC 4.0
PROCESS NAME:	***ESCO PRICING ADJUSTMENT CREDIT PROVIDED BY ESCO TO UTILITY FOR URR CUSTOMER BILL***
PROCESS DEFINITION:	The process by which the ESCO communicates an ESCO Pricing Adjustment (EPA) Credit, e.g. an Assitance Program Participant Credit (APP Credit), to a Rate Ready Utility in inclusion on a customer's bill or to a Bill Ready Utility when the ESCO issuing the EPA Credit is no longer serving a customer with an active account in the utility's service terrotory.
TRIGGER(S):	ESCO provides an EPA Credit to the Utility.
ESTIMATED / PEAK TRANSACTION RATE:	Low to Moderate depending upon the number of elligible customers in a utility's service territory, whether or not the ESCO's rate exceeds the utility rate and the monetary value of the energy related value added service components of the ESCO's rate.
PROCESS INPUTS:	The EPA Credit.

PROCESS OUTPUTS:	ESCO transmits an EDI Change transaction to request processing of EPA Credits on a Utility Rate Ready (or Bill Ready as described in Process Definition) Consolidated bills for individual customers.
	• Utility validates the request (e.g. customer exists and is/was a customer of the ESCO) in accordance with Change transaction rules in EDI Standards and Utility Maintained EDI Guide.
	• If a valid request, Utility provides a positive response to the ESCO and provides the following outputs:
	  ○ Consolidated bill to end use customer is issued displaying EPA Credit and adjusting the amount due from the customer by the EPA Credit.
	  ○ Utility reduces Purchase of Receivables amount paid to ESCO by EPA Credit(s) communicated via 820 Remittance Advice Transaction.
	  ○ A Rate Ready Utility notifies ESCO that EPA Credit has been processed on 810 URR Invoice Transaction.

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PROCESS NUMBER:	AC 4.0
PROCESS NAME:	***ESCO PRICING ADJUSTMENT CREDIT PROVIDED BY ESCO TO UTILITY FOR URR CUSTOMER BILL***
	If not a valid request, Utility provides a negative response to the ESCO. Potential rejection reasons include, but are not limited to; ○ Utility cannot process EPA Credit because customer has relocated outside of service terrotory (account closed) ○ Under Single Retailer Model, utility does not issue bills to ESCO customers. ○ Customer no longer served by ESCO; Utility unable to process EPA Credit. ○ ESCO missed billing window. ○ Other
SUB OR PRECEDING PROCESSES:	• Utility provides full service billing amounts to ESCO • ESCO calculates EPA credit
PROCESS RULES:	In its Utility Maintained EDI Guide, the utility will provide ESCOs with explanations of alternative processes, to the extent alternatives are available, that may be used by the utility to accept and process an EPA Credit when EDI cannot be used.
COMMENTS:	• A utility may reject an EDI change transaction from an ESCO no longer serving a customer because without billable consumption, there would be no 810 invoice issued to the customer on behalf of the ESCO issuing the credit during that billing period. In cases where there is no billable consumption for the ESCO submitting the EPA Credit, the Utility may provide alternatives means (EDI or non-EDI) to accept and process the EPA Credit to the extent the customer has an active account in its service territory and the customer receives a utility-issued bill. • Adjustments to EPA Credits are processed in the same manner. • An EPA Credit is submitted as an negative amount.. Adjustments intended to reduce previously issued EPA Credits, however, should be submitted as positive amounts.

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Case 98-M-0667
Supplement F

Electronic Data Exchange Standards for Energy Deregulation in New York

814 Change (Account Maintenance)

Data Dictionary

FILED

June 30, 2016
Version 1.9

		Summary of Changes
July 20, 2001		**Initial Release**
April 16, 2002		**Version 1.1 Released**
		Implementation Guide (Changes Did Not Affect Data Dictionary)
August 7, 2002		**Version 1.2 Issued**
		Inserted new REF*AJ segment (Utility Account Number for ESCO/Marketer) Modified the REF03 element note for the REF*65 segment to clarify the use attribute for this element. Renumbered lines and adjusted line references in the 'Comments' column.
March 17, 2004		**Version 1.3 Issued**
		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. 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. 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'.
May 17, 2006		**Version 1.4 Issued**
		References to Niagara Mohawk or NMPC throughout the document are 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 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. The N1*8R (Customer) segment note is revised to reflect the addition of a PER segment in the N1 (Customer) Loop. 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.

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		Version 1.4 Continued
		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 customers 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 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. Additional codes were added to the REF*TD (Reason for Change – Account Level) segment to accommodate the new segments (PERIC, REFLF and AMTB5). 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. 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.
October 23, 2014		**Version 1.5**
		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.
		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)

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		Version 1.5 Continued
		Adding AMT03 field to the AMT*KZ segment to accommodate the ICAP Special Program Indicator Code.
April 7, 2015		**Version 1.6**
		• Changes permitting a rate ready utility to receive a bill credit from an ESCO to be provided to an Assistance Program Participant. • Utility specific notes are generalized, as appropriate, and designated for relocation to/reference within Utility Maintained EDI Guides, as necessary. • Rows renumbered, as appropriate with corresponding adjustments to Comments, as necessary.
July 24, 2015		**Version 1.7**
		• Changes permitting ESCOs and Utilities to send email and facsimile info in the PER segment. • Changes permitting Utilities to send forwarding address info. • Rows renumbered, as appropriate with corresponding adjustments to Comments, as necessary. • Corrected acronym for North American Industry Classification System.
January 29, 2016		**Version 1.8**
		• Modification to notes for DTM*007 (Effective Date of Change) Segment to show ICAP Tag changes as an exception • Modification to notes for DTM*AB2 (ICAP Effective Date) Segment to show the conditional requirement when ICAP data is sent. • Modification to notes for REF*GC (Gas Capacity Assignment/Obligation) Segment to correspond to Orders issued in Case No. 07-G-0299.
June 30, 2016		**1.9**
		• Existing references to Assistance Program Participant Credits (APP Credits) are changed to EPA (ESCO Pricing Adjustment) Credits; the APP Credit is one type of an EPA Credit.

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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.

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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 Contact Info)	N1 Loop	PER	HDR	080	01	Contact Function Code	Code indicating customer's contact info is being 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 contact info. If the 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.

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Row No	NY DD Field Name	Loop ID	Segment	Level	Position	Ref Desc	Name	Description	Code	Data Type	Request	Response	Comments
23	Administrative Communications Contact (Customer Contact Info)	N1 Loop	PER	HDR	080	03		Code indicating the type of contact info being provided in PER04	EM – Email Address FX - Facsimile TE - Telephone	ID(2/2)	Required	Not used	When a PER*IC segment is being sent, this element is required.
24	Administrative Communications Contact (Customer Contact Info)	N1 Loop	PER	HDR	080	04	Communications Identifier	Customer's Email Address, Facsimile Number or Telephone Number	Free text	AN(1/80)	Required	Not Used	When a PER*IC segment is being sent, this element is required.
25	Administrative Communications Contact (Customer Contact Info)	N1 Loop	PER	HDR	080	05		Code indicating the type of contact info being provided in PER06	EM – Email Address FX - Facsimile TE - Telephone	ID(2/2)	Optional	Not used	When a PER*IC segment is being sent, this element is optional.
26	Administrative Communications Contact (Customer Contact Info)	N1 Loop	PER	HDR	080	06	Communications Identifier	Customer's Email Address, Facsimile Number or Telephone Number	Free text	AN(1/80)	Conditional	Not Used	When a PER05 is sent, this element is required.
27	Administrative Communications Contact (Customer Contact Info)	N1 Loop	PER	HDR	080	07		Code indicating the type of contact info being provided in PER08	EM – Email Address FX - Facsimile TE - Telephone	ID(2/2)	Optional	Not used	When a PER*IC segment is being sent, this element is optional.
28	Administrative Communications Contact (Customer Contact Info)	N1 Loop	PER	HDR	080	08	Communications Identifier	Customer's Email Address, Facsimile Number or Telephone Number	Free text	AN(1/80)	Conditional	Not Used	When a PER07 is sent, this element is required.
29	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	Conditional	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. This segment may be sent by the Utility when responding to an ESCO EPA Credit Request to provide a forwarding address when the customer has moved out of their service territory.

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Row No	NY DD Field Name	Loop ID	Segment	Level	Position	Ref Desc	Name	Description	Code	Data Type	Request	Response	Comments
30	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	Required	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.
31	Address Information (Mailing Address)	N1 Loop	N3	HDR	060	01	Address Information	Customer's mailing address - Street.	Text	AN(1/55)	Conditional	Conditional	Refer to the implementation guide for the conditions associated with the N3 segment. If specified in a Utility Maintained EDI guide, this element may contain additional data.
32	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	Conditional	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.
33	Geographic Location (Mailing Address)	N1 Loop	N4	HDR	070	01	City Name	Customer Mailing Address - City Name	Text	AN(2/30)	Conditional	Conditional	Refer to the implementation guide for the conditions associated with the N4 segment.
34	Geographic Location (Mailing Address)	N1 Loop	N4	HDR	070	02	State or Province Code	Customer Mailing Address - State Name	Text	ID(2/2)	Conditional	Conditional	Refer to the implementation guide for the conditions associated with the N4 segment and the conditions associated with the N402 element.
35	Geographic Location (Mailing Address)	N1 Loop	N4	HDR	070	03	Postal Code	Customer Mailing Address - zip code	Text	ID(3/15)	Conditional	Conditional	Refer to the implementation guide for the conditions associated with the N4 segment and the conditions associated with the N403 element.
36	Administrative Communications Contact (Customer Contact Info)	N1 Loop	PER	HDR	080	01	Contact Function Code	Code indicating customer's contact info is being transmitted.	IC	ID(2/2)	Conditional	Not used	This segment should be sent in conjunction with an N1*BT segment when there has been a change in the customer's telephone number.
37	Administrative Communications Contact (Customer Contact Info)	N1 Loop	PER	HDR	080	03		Code indicating the type of contact info being provided in PER04	TE - Telephone	ID(2/2)	Required	Not used	When a PER*IC segment is being sent, this element is required.

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Row No	NY DD Field Name	Loop ID	Segment	Level	Position	Ref Desc	Name	Description	Code	Data Type	Request	Response	Comments
38	Administrative Communications Contact (Customer Contact Info)	N1 Loop	PER	HDR	080	04	Communications Identifier	Customer's Telephone Number	Free text	AN(1/80)	Required	Not Used	When a PER*IC segment is being sent, this element is required.
39	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.
40	Item Identification	LIN Loop	LIN	DTL	010	02	Product/Service ID Qualifier	Indicates a service is being requested	SH	ID(2/2)	Required	Required	
41	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.
42	Item Identification	LIN Loop	LIN	DTL	010	04	Product/Service ID Qualifier	Indicates a service is being requested	SH	ID(2/2)	Required	Required	
43	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.
44	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	
45	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	

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Row No	NY DD Field Name	Loop ID	Segment	Level	Position	Ref Desc	Name	Description	Code	Data Type	Request	Response	Comments
46	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.
47	Reference Identification (Reject Response Reasons)	LIN Loop	REF	DTL	030	02	Reference Identification	Code corresponding to the reason for a rejection	see list of codes in IG	AN(1/30)	Not Used	Required	When a REF*7G segment is sent, this element is required. Refer to the IG for code definitions.
48	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.
49	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.
50	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.

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Row No	NY DD Field Name	Loop ID	Segment	Level	Position	Ref Desc	Name	Description	Code	Data Type	Request	Response	Comments
51	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.
52	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.
53	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. The Response transaction must contain the new account number in the REF*12 segment.
54	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.
55	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.

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Row No	NY DD Field Name	Loop ID	Segment	Level	Position	Ref Desc	Name	Description	Code	Data Type	Request	Response	Comments
56	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.
57	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.
58	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.
59	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.
60	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.
61	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.
62	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.
63	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.
64	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.

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Row No	NY DD Field Name	Loop ID	Segment	Level	Position	Ref Desc	Name	Description	Code	Data Type	Request	Response	Comments
65	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.
66	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.
67	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.
68	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.
69	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.
70	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.

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Row No	NY DD Field Name	Loop ID	Segment	Level	Position	Ref Desc	Name	Description	Code	Data Type	Request	Response	Comments
71	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.
72	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.
73	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.
74	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.
75	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.
76	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.
77	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.

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Row No	NY DD Field Name	Loop ID	Segment	Level	Position	Ref Desc	Name	Description	Code	Data Type	Request	Response	Comments
78	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.
79	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.
80	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.
81	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 is provided to the ESCO by the Utility and used to convey a change in the intended or obligated pipeline capacity requirements necessary to meet the needs of the end use customer as described in its Utility Maintained EDI Guide.
82	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.
83	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.
84	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.
85	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 the notes on the AMT*DP segment).

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Row No	NY DD Field Name	Loop ID	Segment	Level	Position	Ref Desc	Name	Description	Code	Data Type	Request	Response	Comments
86	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.
87	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.
88	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.
89	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.
90	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.
91	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.
92	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.
93	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 NAICS Code.

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Row No	NY DD Field Name	Loop ID	Segment	Level	Position	Ref Desc	Name	Description	Code	Data Type	Request	Response	Comments
94	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.
95	Reference Identification (Industrial Classification Code)	LIN Loop	REF	DTL	030	03	Description	Code indicating whether REF02 contains the SIC or the NAICS Code.	NAICS=REF02 contains NAICS Code SIC=REF02 contains SIC Code	AN(1/80)	Required	Not used	When REF*IJ is being sent, this element is required.
96	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.
97	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.
98	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 ICAP Tags, 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.
99	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.

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Row No	NY DD Field Name	Loop ID	Segment	Level	Position	Ref Desc	Name	Description	Code	Data Type	Request	Response	Comments
100	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.
101	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.
102	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.
103	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.
104	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	Conditional	Not used	The Utility should provide an effective date range when ICAP data is sent.
105	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.
106	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.
107	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.

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Row No	NY DD Field Name	Loop ID	Segment	Level	Position	Ref Desc	Name	Description	Code	Data Type	Request	Response	Comments
108	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.
109	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.
110	Monetary Amount (ESCO 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	Not used	When an AMT*B5 segment is sent this element is required.
111	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.
112	Monetary Amount (ESCO Commodity Price)	LIN Loop	AMT	DTL	060	02	Monetary Amount	Dollar amount	0.00	R(1/18)	Required	ptional	When an AMT*RJ is being sent, this element is required.

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Row No	NY DD Field Name	Loop ID	Segment	Level	Position	Ref Desc	Name	Description	Code	Data Type	Request	Response	Comments
113	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.
114	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.
115	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.
116	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.
117	Monetary Amount (ICAP)	LIN Loop	AMT	DTL	060	03	Special Program Adjustment Indicator	Code indicating if the ICAP tag has been adjusted for a Special Program.	D=No, there is no Special Program Adjustment Indicator related to the ICAP Tag. C=Yes, there is a Special Program Adjustment Indicator related to the ICAP Tag.	ID(1/1)	Optional	Not used	A general indicator not tied to any specific program.

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Row No	NY DD Field Name	Loop ID	Segment	Level	Position	Ref Desc	Name	Description	Code	Data Type	Request	Response	Comments
118	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.
119	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.
120	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.
121	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.

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Row No	NY DD Field Name	Loop ID	Segment	Level	Position	Ref Desc	Name	Description	Code	Data Type	Request	Response	Comments
122	Monetary Amount (ESCO Pricing Adjustment Credit)	LIN Loop	AMT	DTL	060	01	Amount Qualifier Code	Code indicating that AMT02 contains an ESCO Pricing Adjustment Credit that should be used by the utility to apply a one-time credit to the customer's bill. This credit will also be reflected in the URR 810 Invoice sent to the ESCO.	7	ID(1/3)	Conditional	Optional	Primarily used with Utility Rate Ready billing but used with Utility Bill Ready if ESCO issuing EPA credit is no longer serving the customer. This segment must be sent by the ESCO when a credit is necessary to be included on a customer bill. This segment would only be sent when the ESCO has charged the customer more than what the utility would have and the ESCO is required to provide a credit to the customer.
123	Monetary Amount ESCO Pricing Adjustment Credit)	LIN Loop	AMT	DTL	060	02	Monetary Amount	Dollar amount	0.0000	R(1/18)	Required	Required	When an AMT*7 segment is sent, this element is required. ESCO Pricing Adjustment Credit shown as a positive amount.
124	Monetary Amount (ESCO Pricing Adjustment Credit)	LIN Loop	AMT	DTL	060	01	Amount Qualifier Code	Code indicating that segment contains an ESCO Pricing Adjustment Credit shown as a positive amount. For example, if the customer is owed a credit of $2.15, the ESCO would send AMT~7~2.15.	7	ID(1/3)	Conditional	Optional	This segment is sent by an ESCO to report an ESCO Pricing Adjustment Credit shown as a positive amount. For example, if the customer is owed a credit of $2.15, the ESCO would send AMT~7~2.15.
125	Monetary Amount (ESCO Pricing Adjustment Credit)	LIN Loop	AMT	DTL	060	02	Monetary Amount	Dollar amount	0.00	R(1/18)	Required	ptional	When an AMT*7 is being sent, this element is required.
126	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.

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Row No	NY DD Field Name	Loop ID	Segment	Level	Position	Ref Desc	Name	Description	Code	Data Type	Request	Response	Comments
127	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.
128	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.
129	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.
130	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 for the account-level REF*TD segment). 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.
131	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.
132	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.
133	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.
134	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.
135	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.
136	Reference Identification (Utility Rate Sub Class)	NM1 Loop	REF	DTL	130	01	Reference Identification Qualifier	Code indicating REF 02 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.

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Row No	NY DD Field Name	Loop ID	Segment	Level	Position	Ref Desc	Name	Description	Code	Data Type	Request	Response	Comments
137	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.
138	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.
139	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.
140	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.
141	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.
142	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.

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Row No	NY DD Field Name	Loop ID	Segment	Level	Position	Ref Desc	Name	Description	Code	Data Type	Request	Response	Comments
143	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.
144	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.
145	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.
146	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.
147	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.
148	Transaction Set Trailer	None	SE	TLR	150	02	Transaction Set Control Number		ST02	AN(4/9)	Required	Required	Required in all transactions.

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New York Implementation Standard

For

Standard Electronic Transactions

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TRANSACTION SET

814

Change (Account Maintenance)

Ver/Rel 004010

		Summary of Changes
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*TU 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*TU 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 a customer's tax rates when the customer's 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 customer's 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.
		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.

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		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 Issued**
		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

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April 7, 2015 **Version 1.6**		**Version 1.6 Issued**
		• Clarifying revisions to ESCO Service Tax Rate related segments. • Changes permitting a rate ready utility to receive a bill credit from an ESCO to be provided to an Assistance Program Participant.
July 24, 2015 **Version 1.7**		**Version 1.7 Issued**
		• Added codes EM and FX to the PER Administrative Communications Contact (Customer Phone Number) segment to support utility optional exchange of Customer email addresses and facsimile numbers with ESCOs • Rejection reason codes ECB and MOV added to REF*7G Segment • Changes to N3 Address Information (Mailing Address) & N4 Geographic Location (Mailing Address) to accommodate provision of a customer's forwarding address in APP Credit Rejection Responses when the customer has moved outside the service territory. • Clarified circumstances under which 814C could be used by a Bill Ready Utility to accept an APP Credit from an ESCO. • Added APP Credit Example • Errata - Corrected acronym for North American Industry Classification System
January 29, 2016 **Version 1.8**		**Version 1.8 Issued**
		• Modification to notes for DTM Date/Time Reference (Effective Date of Change) Segment to show ICAP Tag changes as an exception, making provision of the segment optional in this instance. • ICAP Tag oriented clarifications/examples in notes for AMT Monetary Amount (ICAP), DTM Date/Time Reference (ICAP Effective Dates) and DTM Date/Time Reference (Effective Date of Change) Segments. • ICAP Tag Change Example added. • Modification to REF Reference Identification (Gas Capacity Assignment/Obligation) Segment to correspond to Orders issued in Case No. 07-G-0299.
June 30, 2016 **Version 1.9**		**Version 1.9 Issued**
		• Existing references to Assistance Program Participant Credits (APP Credits) are changed to EPA (ESCO Pricing Adjustment) Credits; the APP Credit is one type of an EPA Credit. • Modifications to clarify EPA Credits and adjustments to EPA Credit are to be submitted as Real Numbers. • Update to conditionality of REF Reference Identification (Previous Utility Customer Account Number) segment. • PERIC code is retired to conform with usage of N18R and N1BT codes in other retail choice jurisdictions. • Added IF (Insufficient Funds) code and broadened description of the ECB code in REF Reference Identification (Reject Response Reasons) segment. • Updates to example transactions.

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		Notes pertaining to the use of this document
Purpose		• 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.
One account per 814		• Each change transaction may contain only one account for one commodity (i.e. electric, gas, etc.).
Cross referencing Request & Response Transactions		• 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. • The LIN01 element is used to cross-reference each individual LIN response with its corresponding request.
Validation Field		• In New York, the validation field is the customer's utility account number (with check digit, if included).
Request Transaction		• An 814 Change transaction can accommodate more than one change request per commodity per account. • 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. • 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. • 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. • 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.
NM1 loop structure		• 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.

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Response Transaction		• There must be one response LIN for each request LIN. • Requests are accepted or rejected at the LIN level. • 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. • The Change Response Transaction has been structured as follows: ♦ 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. ♦ 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.
Use of REF*TD segment		• 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. • REF*TD segments are located at the account (LIN) or meter (NM1) level within the document. ♦ Each data element that is being changed at the Account (LIN) level must be associated with a REF*TD segment in the LIN loop. ♦ For a meter addition, a REF*TD code of NM1MA must be present, and all new data reported in a single NM1 loop. ♦ 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). ♦ 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. ♦ For other changes at the meter level, an NM1 segment, the applicable REF*TD segment, and the segment containing the change must be present.
Conditional Segments		• 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.
Changes to Utility Account Numbers or Meter Numbers		• When updating or correcting existing Utility account numbers or meter numbers, the Change Request transaction must contain the new (or corrected) and old number. • 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. • 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.

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Use of DTM*007 segment		• A DTM*007 segment (Effective Date of Change) is used to communicate the effective date for a requested change in the following circumstances: ♦ Utility Request – required for non-DTM segments ♦ Utility Response – may be sent to establish the effective date of an ESCO requested change ♦ ESCO Requests sent to communicate a change in mailing address (required for Single Retailer Model) ♦ 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.
Data Element Attributes		• 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.
Single Retailer Model		• 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.
Conditional Data Segments		• 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.
Definitions		• 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 is used in this document to refer to either a gas or electric supplier.
Companion Documents		• 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. • In addition, further information on the Change data elements can be found in the Implementation Guide for the 814 Enrollment Request & Response.

FINAL

Implementation Guideline Field Descriptions

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.

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

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

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

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
10	010	ST	Transaction Set Header	M	1		
11	020	BGN	Beginning Segment	M	1		
			LOOP ID - N1			1	
12	040	N1	Name (ESCO)	O	1		
			LOOP ID - N1			1	
13	040	N1	Name (Utility)	O	1		
			LOOP ID - N1			1	
14	040	N1	Name (Customer)	O	1		
15	060	N3	Address Information (Service Address)	O	1		
16	070	N4	Geographic Location (Service Address)	O	1		
17	080	PER	Administrative Communications Contact (Customer Phone Number)	O	1		
			LOOP ID - N1			1	
19	040	N1	Name (Name for Mailing)	O	1		
20	060	N3	Address Information (Mailing Address)	O	1		
21	070	N4	Geographic Location (Mailing Address)	O	1		
22	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	
23	010	LIN	Item Identification	O	1		
24	020	ASI	Action or Status Indicator	O	1		
25	030	REF	Reference Identification (Reject Response Reasons)	O	1		
26	030	REF	Reference Identification (Reason for Change - Account Level)	O	1		
27	030	REF	Reference Identification (ESCO Customer Account Number)	O	1		
29	030	REF	Reference Identification (Utility Account Number)	O	1		
30	030	REF	Reference Identification (Previous Utility Account Number)	O	1		
31	030	REF	Reference Identification (Utility Account Number for ESCO)	O	1		
32	030	REF	Reference Identification (Meter Cycle Code)	O	1		
33	030	REF	Reference Identification (Bill Cycle Code)	O	1		
34	030	REF	Reference Identification (Bill Presenter)	O	1		
35	030	REF	Reference Identification (Bill Calculator)	O	1		

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36	030	REF	Reference Identification (Current Budget Billing Status)	O	1	
37	030	REF	Reference Identification (ESCO Late Fees)	O	1	
38	030	REF	Reference Identification (Partial Participation Portion)	O	1	
39	030	REF	Reference Identification (Customer on Life Support)	O	1	
40	030	REF	Reference Identification (Gas Pool ID)	O	1	
41	030	REF	Reference Identification (Gas Capacity Assignment/Obligation)	O	1	
42	030	REF	Reference Identification (ISO Location Based Marginal Pricing Zones)	O	1	
43	030	REF	Reference Identification (Portion Taxed Residential)	O	1	
44	030	REF	Reference Identification (Account Settlement Indicator)	O	1	
45	030	REF	Reference Identification (NYPA Discount Indicator)	O	1	
46	030	REF	Reference Identification (Utility Discount Indicator)	O	1	
47	030	REF	Reference Identification (Industrial Classification Code)	O	1	
48	030	REF	Reference Identification (Tax Exempt Status)	O	1	
49	040	DTM	Date/Time Reference (Effective Date of Change)	O	1	
50	040	DTM	Date/Time Reference (Assigned Service Start Date)	O	1	
51	040	DTM	Date/Time Reference (Assigned Service End Date)	O	1	
52	040	DTM	Date/Time Reference (ICAP Effective Date)	O	1	
53	060	AMT	Monetary Amount (ESCO Budget Plan Installment Amount)	O	1	
54	060	AMT	Monetary Amount (Tax Exemption Percent)	O	1	
55	060	AMT	Monetary Amount (ESCO Commodity Price)	O	1	
56	060	AMT	Monetary Amount (ESCO Fixed Charge)	O	1	
57	060	AMT	Monetary Amount(Customer's Tax Rate for ESCO Charges -1)	O	1	
58	060	AMT	Monetary Amount(Customer's Tax Rate for ESCO Charges -2)	O	1	
59	060	AMT	Monetary Amount (ICAP)	O	1	
60	060	AMT	Monetary Amount (ESCO Pricing Adjustment~~Assistance Program Participation~~ Credit)	O	1	
			LOOP ID - NM1			>1
61	080	NM1	Metered or UnMetered Service Points	O	1	
63	130	REF	Reference Identification (Reason for Change - Meter Level)	O	>1	
64	130	REF	Reference Identification (Old Meter Number)	O	1	
65	130	REF	Reference Identification (Utility Rate Service Class)	O	1	
66	130	REF	Reference Identification (Utility Rate Sub Class)	O	1	
67	130	REF	Reference Identification (Utility Load Profile Group Code)	O	1	
68	130	REF	Reference Identification (Measurement Type and Reporting Interval)	O	1	
70	130	REF	Reference Identification (Use Time of Day)	O	>1	
72	130	REF	Reference Identification (ESCO Rate Code)	O	1	
73	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.

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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

	Ref. Des.	Data Element	Name	Attributes	
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**

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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. Des.	Data Element	Name	Attributes
Mand.	**BGN01**	**353**	**Transaction Set Purpose Code** 11 Response 13 Request	**M ID 2/2**
Mand.	**BGN02**	**127**	**Reference Identification** 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.	**M AN 1/30**
Mand.	**BGN03**	**373**	**Date** The date the transaction was created by the sender's applications system in the form CCYYMMDD.	**M DT 8/8**
Cond.	**BGN06**	**127**	**Reference Identification** Refers to the BGN02 identification number of the original Request. This element is "Not Used" on Request transactions but is "Required" on Response transactions.	**O AN 1/30**

FILED

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

	Ref. Des.	Data Element	Name		Attributes	
Mand.	**N101**	**98**	**Entity Identifier Code**		**M**	**ID 2/3**
			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.		
Optional	**N102**	**93**	**Name**		**X**	**AN 1/60**
			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.			
Must Use	**N103**	**66**	**Identification Code Qualifier**		**X**	**ID 1/2**
			1	D-U-N-S Number, Dun & Bradstreet		
			9	D-U-N-S+4, D-U-N-S Number with Four Character Suffix		
			24	Employer's Identification Number Federal Tax ID		
Must Use	**N104**	**67**	**Identification Code**		**X**	**AN 2/80**
			The D-U-N-S number or the Federal Tax ID			

FILED

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**		**M**	**ID 2/3**
			8S	Consumer Service Provider (CSP)		
				Identifies the Utility participating in this transaction.		
Optional	**N102**	**93**	**Name**		**X**	**AN 1/60**
			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.			
Must Use	**N103**	**66**	**Identification Code Qualifier**		**X**	**ID 1/2**
			1	D-U-N-S Number, Dun & Bradstreet		
			9	D-U-N-S+4, D-U-N-S Number with Four Character Suffix		
			24	Employer's Identification Number		
				Federal Tax ID		
Must Use	**N104**	**67**	**Identification Code**		**X**	**AN 2/80**
			The D-U-N-S number or Federal Tax ID			

FINAL

Segment: **N1** **Name (Customer)**
Position: 040
Loop: N1 Optional (Dependent)
Level: Heading
Usage: Optional (Dependent)
Max Use: 1
Purpose: To identify the customer in this transaction.
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 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

	Ref. Des.	Data Element	Name	Attributes	
Mand.	**N101**	**98**	**Entity Identifier Code**	**M**	**ID 2/3**
			8R 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'.		

FILED

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

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

FILED

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

	Ref. Des.	Data Element	Name	Attributes	
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**

FILED

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, Facsimile Number and/or Email Address when this information was unavailable at the time an enrollment request was processed or to correct such information previously sent in an Enrollment Accept Response transaction. This segment may be sent by an ESCO to provide the correct or missing information when the information provided in an Enrollment Response has been determined to be incorrect or absent. This segment is sent in an N1 (Customer) Loop and must be accompanied by an N1*8R segment.

The format for phone/facsimile numbers is area code + 7 digit number (xxxyyyzzzz).

If a change is made to this segment, the ~~PERIC~~ N18R code is transmitted in the REF*TD segment at position 030.

In its Utility Maintained EDI Guide, a utility will indicate if it accepts and/or sends Change Requests containing the Customer's Telephone/Facsimile number and/or Email Address.

PER~IC~~TE~8455551212
PER~IC~~TE~7165551212~FX~8455551234~EM~CUSTNAME@EMAILSERV.COM
PER~IC~~EM~CUSTNAME@EMAILSERV.COM

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**
			EM	Email Address		
			FX	Facsimile		
			TE	Telephone		
				Code identifying the type of communication number/ address for the customer associated with this account.		
Must Use	**PER04**	**364**	**Communication Number**		**X**	**AN 1/80**
			Complete communications number/address according to sender's records.			
Optional	**PER05**	**365**	**Communication Number Qualifier**		**X**	**ID 2/2**
			EM	Email Address		
			FX	Facsimile		
			TE	Telephone		
				Code identifying the type of communication number/ address for the customer associated with this account.		
Optional	**PER06**	**364**	**Communication Number**		**X**	**AN 1/80**
			Complete communications number/address according to sender's records.			
Optional	**PER07**	**365**	**Communication Number Qualifier**		**X**	**ID 2/2**
			EM	Email Address		

			FX	Facsimile		
			TE	Telephone		
				Code identifying the type of communication number/ address for the customer associated with this account.		
Optional	**PER08**	**364**	**Communication Number**		**X**	**AN 1/80**
			Complete communications number/address according to sender's records.			

FILED

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: Conditional

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.

When rejecting an ~~APP~~ EPA Credit because the customer has moved outside the service territory, this segment may be used to indicate the customer's forwarding address will be sent (if known by the utility).

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**		**M**	**ID 2/3**
			BT	Bill-to-Party		
				Name for Mailing Address		
Mand.	**N102**	**93**	**Name**		**M**	**AN 1/60**
			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".			

FILED

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: Conditional

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 accompanied by an N1*BT segment.

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) if specified by a utility in its Utility Maintained EDI Guide.

When rejecting an ~~APP~~EPA Credit because the customer has moved outside the service territory, this segment, accompanies by an N1*BT segment may be used to send the customer's forwarding address (if known by the utility).

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**

FILE

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.

When rejecting an ~~APP~~EPA Credit because the customer has moved outside the service territory, this segment, accompanies by an N1*BT segment may be use to send the customer's forwarding address (if known by the utility).

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: 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". 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: • City Name and Country Name and transmit postal codes in the N403 element. • The literal "Foreign Address" and transmit the address in the N3 segment. • The City Name, Country Name and postal code in this element (up to 30 characters). • The City Name and Country Name.		
Cond.	**N402**	**156**	**State or Province Code**	**O**	**ID 2/2**
			Code (Standard State/Province) as defined by appropriate government agency. A utility may elect to populate this element with: • State codes. • State codes within their service territory, i.e. NY or PA. Otherwise, this element will not be sent by other Utilities.		
Cond.	**N403**	**116**	**Postal Code**	**O**	**ID 3/15**
			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: • US zip codes and Canadian or other foreign postal codes. • US zip code information only when the mailing address is located within their service territory.		

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~~ N1BT 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).			

FILE

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~AACCDD0102004A~SH~EL~SH~CE This change pertains to electric service

Data Element Summary

	Ref. Des.	Data Element	Name		Attributes	
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.		

FILED

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

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

FILED

Segment: **REF** **Reference Identification (Reject Response Reasons)**
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:
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.

If codes 008, ECB or MOV are used to reject AMT7 (ESCO Pricing Adjustment ~~Assistance Program Participation~~ Credit) the supplier is responsible for directly reimbursing the customer.

REF~7G~C11

Data Element Summary

	Ref. Des.	Data Element	Name		Attributes	
Mand.	**REF01**	**128**	**Reference Identification Qualifier**		**M**	**ID 2/3**
			7G	Data Quality Reject Reason Reject reasons associated with a reject status notification.		
Must Use	**REF02**	**127**	**Reference Identification**		**X**	**AN 1/30**
			008	Account Inactive or Pending Inactive		
			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		
			ECB	EPA Credit cannot be included on customer bill due to current~~Customer billed using~~ ESCO's Combined Billing model selection (REF03 required)		
			IF	EPA Credit not sufficiently funded		
			FRB	Incorrect billing option (REF*BLT) requested		
			FRC	Incorrect bill calculation type (REF*PC) requested		
			M76	Meter Number Invalid or Not Found		
			MOV	Customer moved outside service territory		
			W05	Requested rate not found		
Cond.	**REF03**	**352**	**Description**		**X**	**AN 1/80**
			Used to provide explanatory text for an A13~~ or~~, API or ECB reject code.			

FILED

Segment: **REF** **Reference Identification (Reason for Change - Account Level)**
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:
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

	Ref. Des.	Data Element	Name		Attributes	
Mand.	**REF01**	**128**	**Reference Identification Qualifier**		**M**	**ID 2/3**
			TD	Reason for Change		
Must Use	**REF02**	**127**	**Reference Identification**		**X**	**AN 1/30**
			AMT7	Change ESCO Pricing Adjustment~~Assistance Program Participation~~ Credit Used to report a credit to the customer's account when the ESCO has charged a~~n Assistance Program Participant~~ customer that receives service subject to a price gaurantee more than what the customer would have paid the utility and the ESCO is required to provide a credit to the customer. The Utility will include this one-time credit on the customer's next bill.		
			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 may 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 may 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 may 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 may 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		

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	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 to report a change in the Assigned Service Start Date.
DTM151	Change Service Period End Date
	A Drop is pending. This code is used by the Utility to report a change in the Assigned Service End Date.
N18R	Change Contact Information~~Name~~ or Service Address
	Use this code when the Customer contact information, e.g. name, phone, fax or email,~~name~~ on the account is being changed and/or a change of service address is being reported.
N1BT	Change Contact Information~~Name~~ for Mailing or Mailing Address
	Use this code when the Customer contact information, e.g. name, phone, fax or email,~~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

FINAL

Segment: **REF** **Reference Identification (ESCO 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
ESCO Response: Not Applicable

ESCO Request: Conditional
Utility Response: Conditional

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

Data Element Summary

	Ref. Des.	Data Element	Name		Attributes	
Mand.	**REF01**	**128**	**Reference Identification Qualifier**		**M**	**ID 2/3**
			11	Account Number Number identifies a telecommunications industry account REF02 is the ESCO 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.			

FILED

Segment: **REF** **Reference Identification (Utility Account Number)**
Position: 030
Loop: LIN Optional (Must Use)
Level: Detail
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.
Notes:
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

	Ref. Des.	Data Element	Name	Attributes	
Mand.	**REF01**	**128**	**Reference Identification Qualifier** 12 Billing Account Account number under which billing is rendered 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 without intervening spaces or non-alphanumeric characters. (Characters added to aid in visible presentation on a bill, for example, should be removed)	**X**	**AN 1/30**
Cond.	**REF03**	**352**	**Description** 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	**X**	**AN 1/80**

FILED

Segment: **REF** **Reference Identification (Previous Utility 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: Conditional
ESCO Response: Not Used

ESCO Request: Not Used
Utility Response: Not Applicable

Where a utility changes an existing customer's account number as a business process (and as noted in its Utility Maintained EDI Guide), ~~This~~ this segment must be sent by the Utility when the utility assigned account number for the customer is changed.

REF~45~9194132485705971

Data Element Summary

	Ref. Des.	Data Element	Name		Attributes	
Mand.	**REF01**	**128**	**Reference Identification Qualifier**		**M**	**ID 2/3**
			45	Old Account Number Identifies accounts being changed REF02 is the Utility's previous account number for the customer.		
Must Use	**REF02**	**127**	**Reference Identification**		**X**	**AN 1/30**
			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.			

FILED

Segment: **REF** **Reference Identification (Utility Account Number for ESCO)**
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.

REF~AJ~3134597

Data Element Summary

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

FILED

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**	**M**	**ID 2/3**
			Meter Cycle Code 65 Total Order Cycle Number		
Must Use	**REF02**	**127**	**Reference Identification**	**X**	**AN 1/30**
			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.		
Cond.	**REF03**	**352**	**Description**	**X**	**AN 1/80**
			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. BIM bi-monthly MON monthly QTR quarterly		

FINAL

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
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

	Ref. Des.	Data Element	Name		Attributes	
Mand.	**REF01**	**128**	**Reference Identification Qualifier**		**M**	**ID 2/3**
			BF	Billing Center Identification		
				Billing cycle. Cycle number indicating when this customer is scheduled for billing.		
Must Use	**REF02**	**127**	**Reference Identification**		**X**	**AN 1/30**
			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.			
Cond.	**REF03**	**352**	**Description**		**O**	**AN 1/80**
			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		

FILES

Segment: **REF** **Reference Identification (Bill Presenter)**
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 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.			

FILE

Segment: **REF** **Reference Identification (Bill Calculator)**
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 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**		**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 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.		
			LDC	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.		

FILE

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

	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.	

FINAL

Segment: **REF** **Reference Identification (ESCO Late Fees)**
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:
ESCO Request: Conditional
Utility Response: Conditional

Utility Request: Not Used
ESCO Response: Not Used

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.

The code REFLF should be sent in the REF*TD segment at the account to identify the change.
REF~LF~N2
REF~LF~Y2

Data Element Summary

	Ref. Des.	Data Element	Name		Attributes	
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.		

FILE

Segment: **REF** **Reference Identification (Partial Participation Portion)**
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 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

	Ref. Des.	Data Element	Name		Attributes	
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		

FILED

Segment: **REF** **Reference Identification (Customer on Life Support)**
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:
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

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

FILED

Segment: **REF** **Reference Identification (Gas Pool ID)**
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
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

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

FILED

Segment: **REF** **Reference Identification (Gas Capacity Assignment/Obligation)**
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

GAS ONLY. This segment is provided to the ESCO by the Utility to convey a change in the intended or obligated pipeline capacity requirements necessary to meet the needs of the end use customer as described in its Utility Maintained EDI Guide.

REF~GC~YES
REF~GC~NO

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	No: ESCO must arrange for capacity for the customer being enrolled		
			Y	Yes: ESCO must take the Utility release or assignment of its pipeline capacity for the customer		

FILED

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

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

FILED

Segment: **REF** **Reference Identification (Portion Taxed Residential)**
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

Where required by a utility in its Utility Maintained EDI Guide, 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

	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		

FILED

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

	Ref. Des.	Data Element	Name		Attributes	
Mand.	**REF01**	**128**	**Reference Identification Qualifier**		**M**	**ID 2/3**
			TDT	Technical Documentation Type		
				Account Settlement Indicator		
Must Use	**REF02**	**127**	**Reference Identification**		**X**	**AN 1/30**
			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.		

FILED

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

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

FILED

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

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

FILED

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~123456~NAICS
REF~IJ~1234~SIC

Data Element Summary

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

FINAL

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. Des.	Data Element	Name		Attributes	
Mand.	**REF01**	**128**	**Reference Identification Qualifier**		**M**	**ID 2/3**
			TX	Tax Exempt Number Indicates the Utility's Tax Exemption Status at the time the transaction is created.		
Must Use	**REF02**	**127**	**Reference Identification**		**X**	**AN 1/30**
			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.		

FILED

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 ICAP Tags, 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.

When a DTM~007 segment is not sent and the date has not been provided in another DTM segment (DTM~105, DTM~AB2…), it can be presumed that the transaction date is the effective date of the change. In any case, the utility should clarify its use of this segment in its Utility Maintained EDI Guide.

DTM~007~20060917

Data Element Summary

	Ref. Des.	Data Element	Name	Attributes	
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.		

FILE

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

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

FILED

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

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

FILED

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

The ICAP tag effective dates should be sent with ICAP Tag changes.

DTM~AB2~~~~RD8~20150501-20160430

Data Element Summary

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

FILED

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 Qualifier Code**		**M ID 1/3**
			B5	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.		

FINAL

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, unless in its Utility Maintained EDI Guide a utility provides another means to implement the customer's sales tax exemption.

This segment is not applicable to the Single Retailer Model.

AMT~DP~1
AMT~DP~.75

Data Element Summary

	Ref. Des.	Data Element	Name	Attributes	
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's service is exempt from state sales tax. See AMT02 for valid values.		
Mand.	**AMT02**	**782**	**Monetary Amount**	**M**	**R 1/18**
			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.		

FILE

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.			

FILE

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

	Ref. Des.	Data Element	Name	Attributes	
Mand.	**AMT01**	**522**	**Amount Qualifier Code**	**M**	**ID 1/3**
			FW Flat Fee Paid Current Month ESCO 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.		

FILED

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.

In its Utility Maintained EDI Guide, the utility will indicate if it supports the AMT*9M segment and if so, whether and how it is supported in conjunction with the AMT*9N and REF*RP segments.
Where supported:

- 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.
- This segment is sent by an ESCO to report a change in the composite tax rate to compute the applicable tax amount associated with the ESCO charges.

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. Des.	Data Element	Name	Attributes
Mand.	**AMT01**	**522**	**Amount Qualifier Code** 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.	**M ID 1/3**
Mand.	**AMT02**	**782**	**Monetary Amount** For percentage values, the whole number "1" will represent 100 percent; decimal numbers less than "1" represent percentages.	**M R 1/18**

FILE

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.
In its Utility Maintained EDI Guide, the utility will indicate if it supports the AMT*9N segment and if so, whether and how it is supported in conjunction with the AMT*9M and REF*RP segments.
Where supported:

- 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.
- This segment is sent by an ESCO to report a change in the composite tax rate to compute the applicable tax amount associated with the ESCO charges.

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** 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.	**M**	**ID 1/3**
Mand.	**AMT02**	**782**	**Monetary Amount** For percentage values, the whole number "1" will represent 100 percent; decimal numbers less than "1" represent percentages.	**M**	**R 1/18**

FILE

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. The ICAP tag effective dates should be provided with this segment.

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

AMT~KZ~.015
DTM~AB2~~~~RD8~20140501-20150430

AMT~KZ~0.15~C
DTM~AB2~~~~RD8~20140501-20150430

Data Element Summary

	Ref. Des.	Data Element	Name		Attributes	
Mand.	**AMT01**	**522**	**Amount Qualifier Code**		**M**	**ID 1/3**
			KZ	Corrective Action Requests - Written		
				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.			
	AMT03	**478**	**Credit/Debit Flag Code**			**ID 1/1**
			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.		

FILE

Segment: **AMT** **Monetary Amount (ESCO Pricing Adjustment ~~Assistance Program Participation~~ Credit)**
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

~~The Order Granting and Denying Petitions for rehearing in Part (issued and effective 2/6/2015) states, "ESCOs have no obligation to serve any customer, however, when an ESCO serves an Assistance Program Participant, the ESCO must satisfy at least one of two conditions. The ESCO must guarantee that the customer will pay no more, on an annual basis, than the customer would have paid as a full service customer of the utility, or the ESCO must provide Assistance Program Participants with energy-related value-added products or services."~~

This segment must be sent by the ESCO when an EPA credit, e.g. an Assistance Program Participant Credit, is ~~necessary~~ to be included on a Rate Ready Consolidated customer bill. This segment would only be sent when the ESCO has charged the customer more than what the utility would have and the ESCO is required to provide a credit to the customer.

Additionally, at utilities providing Bill Ready Consolidated customer bills, in cases where the ESCO issuing the credit is no longer serving the customer (and therefore no monthly usage is available for that ESCO) , unless the Utility has specified a non-EDI process in its Utility Maintained EDI Guide, this segment should be used by the ESCO.

The utility will use this segment to apply a one-time credit to the customer's bill. This credit will be reflected in the 810 issued by a rate ready utility that is sent to the ESCO for the period where the credit was applied. This credit will be reflected in the 820 issued by a bill ready utility, or by a rate ready utility if the ESCO is no longer serving the customer, for the period where the credit was applied.

The 814 Change must be sent to the utility at least 4 business days prior to the scheduled meter read date in order to be included in the rate ready calculation for that bill period. In the event the 814 Change is not sent in time, the utility may hold the transaction for the next billing cycle or reject the 814 Change. If utility cannot issue a bill to the customer because the account is inactive, the Utility will reject the 814 Change and the ESCO is responsible for directly reimbursing the customer.

AMT~7~-2.15

Data Element Summary

	Ref. Des.	Data Element	Name		Attributes	
Mand.	**AMT01**	**522**	**Amount Qualifier Code**		**M**	**ID 1/3**
			7	Discount Amount Due ESCO Pricing Adjustment ~~Assistance Program Participation~~ Credit		
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. See Front Matter notes regarding syntax for real			

number elements. An ~~Assistance Program Participation~~EPA Credit shown as a ~~positive~~ negative amount. Adjustments to reduce prior EPA Credits are shown as positive amounts. For example, if the customer is owed a credit of $2.15, the ESCO would send AMT~7~-2.15. If an ESCO intends to adjust a previously issued EPA Credit to reflect a smaller net credit, it would send AMT~7~1.08, for example.

FILED

Segment: **NM1** **Metered or Un-Metered Service Points**
Position: 080
Loop: NM1 Optional (Dependent)
Level: Detail
Usage: Optional (Dependent)
Max Use: 1
Purpose: To supply the full name of an individual or organizational entity
Syntax Notes: **1** If either NM108 or NM109 is present, then the other is required.
2 If NM111 is present, then NM110 is required.
Semantic Notes: **1** NM102 qualifies NM103.
Notes: 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

	Ref. Des.	Data Element	Name		Attributes
Mand.	**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.		
Mand.	**NM102**	**1065**	**Entity Type Qualifier**		**M**	**ID 1/1**
			3	Unknown		
				NM102 is an X12 required element.		
Must Use	**NM108**	**66**	**Identification Code Qualifier**		**X**	**ID 1/2**
			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.		
Must Use	**NM109**	**67**	**Identification Code**		**X**	**AN 2/80**
			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).			

FILED

Segment: **REF** **Reference Identification (Reason for Change - Meter Level)**
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:
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

	Ref. Des.	Data Element	Name		Attributes	
Mand.	**REF01**	**128**	**Reference Identification Qualifier**		**M**	**ID 2/3**
			TD	Reason for Change		
Must Use	**REF02**	**127**	**Reference Identification**		**X**	**AN 1/30**
			NM1MQ	Change Metering Location Use this code when indicating a change in the attributes of an existing meter(s) or un-metered service end points including corrections to meter number(s) previously sent		
			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		

FILED

Segment: **REF** **Reference Identification (Old Meter Number)**
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

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**

FILED

Segment: **REF** **Reference Identification (Utility Rate Service 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

This segment is sent by the Utility to report a change in the customer's service class designation.

REF~NH~1B
REF~NH~931

Data Element Summary

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

FILED

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

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

FILED

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

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

FILED

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
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

	Ref. Des.	Data Element	Name		Attributes	
Mand.	**REF01**	**128**	**Reference Identification Qualifier**		**M**	**ID 2/3**
			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.		
Cond.	**REF02**	**127**	**Reference Identification**		**X**	**AN 1/30**
			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.			

FINAL

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.)

FILE

Segment: **REF** **Reference Identification (Use Time of Day)**
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

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.

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 }

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.		

FILE

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.

FILE

Segment: **REF** **Reference Identification (ESCO Rate 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: 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

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

FINAL

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

	Ref. Des.	Data Element	Name	Attributes	
Mand.	**SE01**	**96**	**Number of Included Segments**	**M**	**N0 1/10**
Mand.	**SE02**	**329**	**Transaction Set Control Number**	**M**	**AN 4/9**

FILED

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 ***814***; control number assigned by originator
BGN*13*20060918001*20060918!	Transaction is a ***Request***; 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 ***814***; control number assigned by originator
BGN*11*00013415*20060920***20060918001!	Transaction is a ***Response***; 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

FILED

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

ST*814*0002!	Transaction Set header; transaction defined is an ***814***; control number assigned by originator
BGN*13*200609185101*20060918!	Transaction is a ***Request***; 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 or Mailing Address Contact Info
REF*12*994102162510009!	Utility Account Number
~~LIN*AC2006089B*SH*EL*SH*CE!~~	~~2nd 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~~13*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 ***814***; control number assigned by originator
BGN*11*00056799*20060920***200609185101!	Transaction is a ***Response***; 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 or Mailing Address Contact Info
REF*12*994102162510009!	Utility Account Number
DTM*007*20060920!	Effective Date of Change
SE*10*0004!	Transaction Set trailer; segment count; control number

FILED

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

~~ST*814*0005!~~	~~Transaction Set header; transaction defined is an **814**; control number assigned by originator~~
~~BGN*11*20060920048*20060920***20060918510 1!~~	~~Transaction is a **Response**; 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*9941021625100009!~~	~~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 ***814***; control number assigned by originator
BGN*13*10000301145101*20060918!	Transaction is a ***Request***; 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!	2nd 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!	3rd 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

FILED

Scenario 3B: ESCO Response to Meter Exchange Request

ST*814*0006!	Transaction Set header; transaction defined is an ***814***; control number assigned by originator
BGN*11*10000402072435*20060920***10000301 145101!	Transaction is a ***Response***; 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!	2nd LIN Request
ASI*WQ*001!	Accept Request
REF*12*3754464703!	Utility Account Number
LIN*ABC003*SH*GAS*SH*CE!	3rd LIN Request
ASI*WQ*001!	Accept Request
REF*12*3754464703!	Utility Account Number
SE*14*0006!	Transaction Set trailer; segment count; control number

FILED

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

ST*814*0001!	Transaction Set header; transaction defined is an ***814***; control number assigned by originator
BGN*13*20060918058*20060918!	Transaction is a ***Request***; 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!	**2nd LIN Request**
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!	**3rd LIN Request**
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!	**4th LIN Request**
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!	**5th LIN Request**
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

FILED

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 ***814***; control number assigned by originator
BGN*11*10000402072434*20060920***20060918058!	Transaction is a ***Response***; 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!	**2nd LIN Response**
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!	**3rd LIN Response**
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!	**4th LIN Response**
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!	**5th LIN Response**
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

FILED

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 ***814***; control number assigned by originator
BGN*13*40000301145101*20060918!	Transaction is a ***Request***; 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*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 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*AACCDD01005A*SH*EL*SH*CE!	**2nd LIN Request**
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 ***814***; control number assigned by originator
BGN*11*0123456*20060920***40000301145101!	Transaction is a ***Response***; 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*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*AACCDD01005A*SH*EL*SH*CE!	Response to 2nd 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

FILED

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

ST*814*0005!	Transaction Set header; transaction defined is an ***814***; control number assigned by originator
BGN*11*9797900*20060920***40000301145101!	Transaction is a ***Response***; 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 2nd 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

FILED

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 ***814***; control number assigned by originator
BGN*13*200609180001*20060918!	Transaction is a ***Request***; 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!	**2nd 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 the Customer
REF*65*15*MON!	Meter Cycle Code & Frequency
DTM*007*20060918!	Effective Date of Change
LIN*00103*SH*GAS*SH*CE!	**3rd 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 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

FILED

Electric Account:

ST*814*0007!	Transaction Set header; transaction defined is an ***814***; control number assigned by originator
BGN*13*200609180002*20060918!	Transaction is a ***Request***; 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!	2nd 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!	3rd 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

FILED

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

ST*814*0001!	Transaction Set header; transaction defined is an ***814***; control number assigned by originator
BGN*13*20060918001*20060918!	Transaction is a ***Request***; 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*N18R~~PERIC~~!	Change Reason - Change in Service Address Contact Info 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 ***814***; control number assigned by originator
BGN*11*00013415*20060920***20060918001!	Transaction is a ***Response***; 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*N18R~~PERIC~~!	Echo Back Change Reason - Change in Service Address Contact Info Customer Telephone Number
REF*12*6157324112!	Utility Account Number for Customer
SE*9*0083!	Transaction Set trailer; segment count; control number

FILED

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

ST*814*0001!	Transaction Set header; transaction defined is an ***814***; control number assigned by originator
BGN*13*20060705099*20060705!	Transaction is a ***Request***; 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 ***814***; control number assigned by originator
BGN*11*001266489*20060707***20060705099!	Transaction is a ***Response***; 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

FILED

Scenario 9A: ESCO Change Request: ~~APP~~EPA Credit

ST*814*0003!	Transaction Set header; transaction defined is an ***814***; control number assigned by originator
BGN*13*40000301145101*20060918!	Transaction is a ***Request***; 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*AACCDD01004A*SH*EL*SH*CE!	Unique transaction reference number, change pertains to electric service
ASI*7*001!	Action is a Change Request
REF*TD*AMT7!	Change Reason Code – ~~APP~~EPA Credit
REF*11*A12345009Z!	ESCO Account Number for the Customer
REF*12*5219350004!	Utility Account Number for the Customer
AMT*7*-2.15!	~~APP~~EPA Credit Amount
SE*11*0003!	Transaction Set trailer; segment count; control number

Scenario 9B: a. Utility Response: Accept ~~APP~~EPA Credit

ST*814*0004!	Transaction Set header; transaction defined is an ***814***; control number assigned by originator
BGN*11*0123456*20060920***40000301145101!	Transaction is a ***Response***; 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*WQ*001!	Accept Change Request
REF*TD*AMT7!	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
SE*10*0004!	Transaction Set trailer; segment count; control number

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Scenario 9B: b. Utility Response: Reject ~~APP~~EPA Credit Customer Moved

ST*814*0005!	Transaction Set header; transaction defined is an ***814***; control number assigned by originator
BGN*11*9797900*20060920***40000301145101!	Transaction is a ***Response***; 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
N1*BT*CUSTOMER NAME!	Customer's Forwarding Address Name
N3*123 MAIN ST!	Forwarding Address
N4*ANYTOWN*NY*14999!	Forwarding City and State
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*MOV!	Reject Reason Code
REF*TD*AMT7!	Echo back Reason for Change – ~~APP~~EPA Credit
REF*11*A12345009Z!	ESCO Account Number for the Customer
SE*13*0005!	Transaction Set trailer; segment count; control number

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Scenario 10: ICAP Tag Change Example

ST*814*0001!	Transaction Set header; transaction defined is an ***814***; control number assigned by originator
BGN*13*010276641*20150908!	Transaction is a ***Request***; Unique id number for this transaction; transaction creation date;
N1*SJ*ESCO NAME*1*888888888!	ESCO Name and DUNS number
N1*8S*UTILITY NAME*1*006977763!	Utility Name & DUNS number
LIN*010276642*SH*EL*SH*CE!	Unique transaction reference number for the request, response pertains to electric service
ASI*7*001!	Change Request
REF*11*A12345009Z!	ESCO Account Number for the Customer
REF*12*5219350004!	Utility Account Number for the Customer
REF*TD*AMTKZ!	Change Reason - ICAP Tag Change
DTM*AB2****RD8*20150501-20160430!	Range of Effective Dates for ICAP Tag
AMT*KZ*2.1555486*D!	ICAP Tag with no Special Program Adjustment Indicator
SE*12*0001!	Transaction Set trailer; segment count; control number

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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)[1] 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.*
- Order Granting and Denying Petitions for Rehearing in Part, issued and effective February 6, 2015 in Case 12-M-0476 *et.al*.
- Order Resetting Retail Energy Markets and Establishing Further Process, Issued and Effective February 23, 2016 in Case 15-M-0127 et al.

NOTES:

- References to the text of the Uniform Business Practices (UBPs) displayed in the Process Rules sections in this document are those UBPs that are relevant to the scope of the business processes being described in this document and incorporated, by reference, into this document. Those UBP(s) that require elaboration, clarification, or interpretation in light of other EDI standards or modification to accommodate EDI data exchange processes will be displayed in the Process Rules section AND will also be highlighted in the Comments/Recommendations/Issues section.

- 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.

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

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- 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, except where optionality is permitted as noted in the Implementation Guide. The utility should clarify how it exercises this optionality in its Utility Maintained EDI Guide). 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.

- 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.

- Process scenarios for ESCO Pricing Adjustment Bill Credits are provided in the 820 REMITTANCE FOR CONSOLIDATED BILLING Business Process Document.

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ACCOUNT CHANGE BUSINESS PROCESS

AC0 Process Account Change Request *4*
AC1.0 Change In Service Start/ End Date *7*
AC2.0 Change in Billing Option *9*
AC3.0 Change In Customer/Account Data *13*
AC4.0 ~~Assistance Program Participant~~ESCO Pricing Adjustment Credit Provided by ESCO to Utility for URR Customer Bill *16*

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ACCOUNT CHANGE BUSINESS PROCESS

PROCESS NUMBER:	AC0
PROCESS NAME:	***PROCESS ACCOUNT CHANGE REQUEST***
PROCESS DEFINITION:	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.
TRIGGER(S):	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.
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:	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). 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.
PROCESS OUTPUTS:	**Positive Response:** See Sub-processes. **Negative Response:** Account Not Found (this includes inactive account numbers as well as no account number found). Account Does Not Have Service Requested. Required Information Missing Change Reason Missing Or Invalid Meter Number Invalid or Not Found

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ACCOUNT CHANGE BUSINESS PROCESS

PROCESS NUMBER:	AC0
PROCESS NAME:	***PROCESS ACCOUNT CHANGE REQUEST***
SUB OR PRECEDING PROCESSES:	• Utility or ESCO makes a change to a customer account. • Utility or ESCO reports the change to the other party. • Utility or ESCO processes update to customer account as applicable. • Utility or ESCO responds to change request. The following sub-processes are described in this document: • AC1.0 Change In Service Start/ End Date. • AC2.0 Change in Billing Option. • AC3.0 Change In Customer/Account Data.
PROCESS RULES:	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. Multiple responses to a change request may be initiated as each individual change is processed. The Utility must always communicate the effective date of change on a Change Request transaction. The Utility Change Response transaction may contain an "effective date of change". In the Single Retailer Model, the ESCO may be required to communicate an effective date for certain 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

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PROCESS NUMBER:	AC0
PROCESS NAME:	***PROCESS ACCOUNT CHANGE REQUEST***
	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). Agreements between the Utility and a participating ESCO 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

PROCESS NUMBER:	AC 1.0
PROCESS NAME:	***CHANGE IN SERVICE START/ END DATE***
PROCESS DEFINITION:	The process by which the Utility communicates a change in service start date or service end date.
TRIGGER(S):	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).
ESTIMATED / PEAK TRANSACTION RATE:	High during promotional periods; moderate during open enrollment.
PROCESS INPUTS:	See Parent
PROCESS OUTPUTS:	**Positive Response:** Utility Information, ESCO information, Customer Information, Service Information. **Negative Response:** See parent.
SUB OR PRECEDING PROCESSES:	See Parent.
PROCESS RULES:	A Change Request transaction to communicate a change in service start or end date can only be sent by the Utility. The ESCO cannot send a Change Request transaction to communicate a change in the service start or service end date.

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ACCOUNT CHANGE BUSINESS PROCESS

PROCESS NUMBER:	AC 1.0
PROCESS NAME:	***CHANGE IN SERVICE START/ END DATE***
	A change in the service start date can only be requested when an enrollment is pending. A change in the service end date can only be requested when a drop is pending.
COMMENTS:	

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ACCOUNT CHANGE BUSINESS PROCESS

PROCESS NUMBER:	AC 2.0
PROCESS NAME:	***CHANGE IN BILLING OPTION***
PROCESS DEFINITION:	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.
TRIGGER(S):	A change in billing relationship with the customer.
ESTIMATED / PEAK TRANSACTION RATE:	Low to moderate.
PROCESS INPUTS:	See Parent.
PROCESS OUTPUTS:	**Positive Response:** Utility Information, ESCO information, Customer Information, Service Information, effective date of change (Utility only). **Negative Response:** See parent for other applicable negative responses Incorrect billing option requested. Incorrect bill calculation type Requested rate not found

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PROCESS NUMBER:	AC 2.0
PROCESS NAME:	***CHANGE IN BILLING OPTION***
	Other
SUB OR PRECEDING PROCESSES:	See parent.
PROCESS RULES:	Change transactions may be sent for either a pending or an established customer. [UBP B&PP E.2.] [CWG] 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 . [CWG] Eligible ESCOs may select, from the options available [in a service territory], which billing option(s) to offer their customers. [CWG] 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 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. [CWG] [Regarding B&PP C.2.] 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). [CWG] [Regarding B&PP C.4.] Bill Cycle and payment due dates shall be set by utilities unless

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PROCESS NUMBER:	AC 2.0
PROCESS NAME:	*CHANGE IN BILLING OPTION*
	agreement is reached between the utilities and the ESCO to establish alternative dates that do not adversely affect customers. [CWG] [Regarding B&PP D.1.e.] 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). [CWG] [Regarding B&PP D.5.] 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. [CWG] 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. [CWG] [Regarding B&PP D.8.] 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. [CWG] [Regarding B&PP B.8.] 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

FINAL

PROCESS NUMBER:	AC 2.0
PROCESS NAME:	***CHANGE IN BILLING OPTION***
	data interchange has been successfully demonstrated to Staff of the Department of Public Service and to the specific utility through testing. [CWG] 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 calender 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. Change Request transactions may be inititated 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.
COMMENTS:	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.

FILED

ACCOUNT CHANGE BUSINESS PROCESS

PROCESS NUMBER:	AC 3.0
PROCESS NAME:	***CHANGE IN CUSTOMER/ACCOUNT DATA***
PROCESS DEFINITION:	The process by which the Utility or ESCO communicates a change in customer or account information.
TRIGGER(S):	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).
ESTIMATED / PEAK TRANSACTION RATE:	Moderate.
PROCESS INPUTS:	See Parent.
PROCESS OUTPUTS:	**Positive Response:** Utility Information, ESCO information, Customer Information, Service Information, effective date of change where applicable. **Negative Response:** See parent for other applicable negative responses Requested rate not found Other
SUB OR PRECEDING PROCESSES:	See Parent
PROCESS RULES:	[UBPs CI B.1, B.3 & C] Changes may be sent on either a pending or an established customer.. An 814 Change Request transaction may be initiated by either the Utility or the ESCO. A change in Life Support status must be communicated by an ESCO under the Single Retailer Model. Meter removal(s) will only be reported on a Change Request transaction when the account is remaining active.

FILED

PROCESS NUMBER:	AC 3.0
PROCESS NAME:	***CHANGE IN CUSTOMER/ACCOUNT DATA***

[CWG] [Regarding B&PP C.4.] 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.
Only the Utility can change a bill cycle. The Utility must notify the ESCO when the bill cycle changes.
[CWG] 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.
[CWG] [Regarding B&PP D.8.) 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.
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 billing status with respect to their charges. The billing party must update their records to note this change.
[CWG] If a customer has a pending switch to another ESCO, the Utility should 1) send changes to both the current ESCO and pending ESCO up until the switch date unless the change is relevant to a cancel/rebill situation or 2) if it does not send changes to the pending ESCO until the switch date, provide such changes in a non-EDI format. If a former ESCO believes it should receive other customer/account data changes following the switch date, the ESCO (provided that it has customer authorization) may submit a non-EDI request to the Utility.

Data subject to change:

Account Level:
Customer name, Customer Service Address, Name for Mailing Address, Mailing Address, Customer

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PROCESS NUMBER:	AC 3.0
PROCESS NAME:	***CHANGE IN CUSTOMER/ACCOUNT DATA***
	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, Industrial Classification Code, Utility Tax Exempt Status, Account Settlement Indicator, NYPA Discount Indicator, Utility Discount, ICAP Effective Dates, Future ICAP Tag, Future ICAP Tag Effective Dates. Meter Level: 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.
COMMENTS:	

FILED

ACCOUNT CHANGE BUSINESS PROCESS

PROCESS NUMBER:	AC 4.0
PROCESS NAME:	***~~ASSISTANCE PROGRAM PARTICIPANT~~ESCO PRICING ADJUSTMENT CREDIT PROVIDED BY ESCO TO UTILITY FOR URR CUSTOMER BILL***
PROCESS DEFINITION:	The process by which the ESCO communicates an ESCO Pricing Adjustment (EPA) Credit, e.g. an Assitance Program Participant Credit (APP Credit), to a Rate Ready Utility in inclusion on a customer's bill or to a Bill Ready Utility when the ESCO issuing the ~~APP~~EPA Credit is no longer serving a customer with an active account in the utility's service terrotory.
TRIGGER(S):	ESCO provides an ~~APP~~EPA Credit to the Utility.
ESTIMATED / PEAK TRANSACTION RATE:	Low to Moderate depending upon the number of elligible customers in a utility's service territory, whether or not the ESCO's rate exceeds the utility rate and the monetary value of the energy related value added service components of the ESCO's rate.
PROCESS INPUTS:	The ~~APP~~EPA Credit.

PROCESS OUTPUTS:	ESCO transmits an EDI Change transaction to request processing of ~~APP~~EPA Credits on a Utility Rate Ready (or Bill Ready as described in Process Definition) Consolidated bills for individual customers.
	• Utility validates the request (e.g. customer exists and is/was a customer of the ESCO) in accordance with Change transaction rules in EDI Standards and Utility Maintained EDI Guide.
	• If a valid request, Utility provides a positive response to the ESCO and provides the following outputs:
	  ○ Consolidated bill to end use customer is issued displaying ~~APP~~EPA Credit and adjusting the amount due from the customer by the ~~APP~~EPA Credit.
	  ○ Utility reduces Purchase of Receivables amount paid to ESCO by ~~APP~~EPA Credit(s) communicated via 820 Remittance Advice Transaction.
	  ○ A Rate Ready Utility notifies ESCO that ~~APP~~EPA Credit has been processed on 810 URR

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PROCESS NUMBER:	AC 4.0
PROCESS NAME:	***~~ASSISTANCE PROGRAM PARTICIPANT~~ESCO PRICING ADJUSTMENT CREDIT PROVIDED BY ESCO TO UTILITY FOR URR CUSTOMER BILL***
	Invoice Transaction. If not a valid request, Utility provides a negative response to the ESCO. Potential rejection reasons include, but are not limited to; ○ Utility cannot process ~~APP~~EPA Credit because customer has relocated outside of service terrotory (account closed) ○ Under Single Retailer Model, utility does not issue bills to ESCO customers. ○ Customer no longer served by ESCO; Utility unable to process ~~APP~~EPA Credit. ○ ESCO missed billing window. ○ Other
SUB OR PRECEDING PROCESSES:	• Utility provides full service billing amounts to ESCO • ESCO calculates ~~APP~~EPA credit
PROCESS RULES:	In its Utility Maintained EDI Guide, the utility will provide ESCOs with explanations of alternative processes, to the extent alternatives are available, that may be used by the utility to accept and process an ~~APP~~EPA Credit when EDI cannot be used.
COMMENTS:	• A utility may reject an EDI change transaction from an ESCO no longer serving a customer because without billable consumption, there would be no 810 invoice issued to the customer on behalf of the ESCO issuing the credit during that billing period. In cases where there is no billable consumption for the ESCO submitting the ~~APP~~EPA Credit, the Utility may provide alternatives means (EDI or non-EDI) to accept and process the ~~APP~~EPA Credit to the extent the customer has an active account in its service territory and the customer receives a utility-issued bill. • Adjustments to EPA Credits are processed in the same manner. • An EPA Credit is submitted as an negative amount.. Adjustments intended to reduce previously issued EPA Credits, however, should be submitted as positive amounts.

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Electronic Data Exchange Standards for Energy Deregulation in New York

814 Change (Account Maintenance)

Data Dictionary

FILED

~~January 29~~June 30, 2016
Version 1.~~8~~9

		Summary of Changes
July 20, 2001		**Initial Release**
April 16, 2002		**Version 1.1 Released**
		Implementation Guide (Changes Did Not Affect Data Dictionary)
August 7, 2002		**Version 1.2 Issued**
		Inserted new REF*AJ segment (Utility Account Number for ESCO/Marketer) Modified the REF03 element note for the REF*65 segment to clarify the use attribute for this element. Renumbered lines and adjusted line references in the 'Comments' column.
March 17, 2004		**Version 1.3 Issued**
		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. 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. 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'.
May 17, 2006		**Version 1.4 Issued**
		References to Niagara Mohawk or NMPC throughout the document are 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 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. The N1*8R (Customer) segment note is revised to reflect the addition of a PER segment in the N1 (Customer) Loop. 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.

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		Version 1.4 Continued
		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 customers 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 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. Additional codes were added to the REF*TD (Reason for Change – Account Level) segment to accommodate the new segments (PERIC, REFLF and AMTB5). 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. 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.
October 23, 2014		**Version 1.5**
		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.
		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)

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		Version 1.5 Continued
		Adding AMT03 field to the AMT*KZ segment to accommodate the ICAP Special Program Indicator Code.
April 7, 2015		**Version 1.6**
		• Changes permitting a rate ready utility to receive a bill credit from an ESCO to be provided to an Assistance Program Participant. • Utility specific notes are generalized, as appropriate, and designated for relocation to/reference within Utility Maintained EDI Guides, as necessary. • Rows renumbered, as appropriate with corresponding adjustments to Comments, as necessary.
July 24, 2015		**Version 1.7**
		• Changes permitting ESCOs and Utilities to send email and facsimile info in the PER segment. • Changes permitting Utilities to send forwarding address info. • Rows renumbered, as appropriate with corresponding adjustments to Comments, as necessary. • Corrected acronym for North American Industry Classification System.
January 29, 2016		**Version 1.8**
		• Modification to notes for DTM*007 (Effective Date of Change) Segment to show ICAP Tag changes as an exception • Modification to notes for DTM*AB2 (ICAP Effective Date) Segment to show the conditional requirement when ICAP data is sent. • Modification to notes for REF*GC (Gas Capacity Assignment/Obligation) Segment to correspond to Orders issued in Case No. 07-G-0299.
June 30, 2016		**Version 1.9**
		• Existing references to Assistance Program Participant Credits (APP Credits) are changed to EPA (ESCO Pricing Adjustment) Credits; the APP Credit is one type of an EPA Credit.

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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.

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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 Contact Info)	N1 Loop	PER	HDR	080	01	Contact Function Code	Code indicating customer's contact info is being 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 contact info. If the 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.

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Row No	NY DD Field Name	Loop ID	Segment	Level	Position	Ref Desc	Name	Description	Code	Data Type	Request	Response	Comments
23	Administrative Communications Contact (Customer Contact Info)	N1 Loop	PER	HDR	080	03		Code indicating the type of contact info being provided in PER04	EM – Email Address FX - Facsimile TE - Telephone	ID(2/2)	Required	Not used	When a PER*IC segment is being sent, this element is required.
24	Administrative Communications Contact (Customer Contact Info)	N1 Loop	PER	HDR	080	04	Communications Identifier	Customer's Email Address, Facsimile Number or Telephone Number	Free text	AN(1/80)	Required	Not Used	When a PER*IC segment is being sent, this element is required.
25	Administrative Communications Contact (Customer Contact Info)	N1 Loop	PER	HDR	080	05		Code indicating the type of contact info being provided in PER06	EM – Email Address FX - Facsimile TE - Telephone	ID(2/2)	Optional	Not used	When a PER*IC segment is being sent, this element is optional.
26	Administrative Communications Contact (Customer Contact Info)	N1 Loop	PER	HDR	080	06	Communications Identifier	Customer's Email Address, Facsimile Number or Telephone Number	Free text	AN(1/80)	Conditional	Not Used	When a PER05 is sent, this element is required.
27	Administrative Communications Contact (Customer Contact Info)	N1 Loop	PER	HDR	080	07		Code indicating the type of contact info being provided in PER08	EM – Email Address FX - Facsimile TE - Telephone	ID(2/2)	Optional	Not used	When a PER*IC segment is being sent, this element is optional.
28	Administrative Communications Contact (Customer Contact Info)	N1 Loop	PER	HDR	080	08	Communications Identifier	Customer's Email Address, Facsimile Number or Telephone Number	Free text	AN(1/80)	Conditional	Not Used	When a PER07 is sent, this element is required.
29	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	Conditional	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. This segment may be sent by the Utility when responding to an ESCO ~~APP~~ EPA Credit Request to provide a forwarding address when the customer has moved out of their service territory.

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Row No	NY DD Field Name	Loop ID	Segment	Level	Position	Ref Desc	Name	Description	Code	Data Type	Request	Response	Comments
30	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	Required	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.
31	Address Information (Mailing Address)	N1 Loop	N3	HDR	060	01	Address Information	Customer's mailing address - Street.	Text	AN(1/55)	Conditional	Conditional	Refer to the implementation guide for the conditions associated with the N3 segment. If specified in a Utility Maintained EDI guide, this element may contain additional data.
32	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	Conditional	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.
33	Geographic Location (Mailing Address)	N1 Loop	N4	HDR	070	01	City Name	Customer Mailing Address - City Name	Text	AN(2/30)	Conditional	Conditional	Refer to the implementation guide for the conditions associated with the N4 segment.
34	Geographic Location (Mailing Address)	N1 Loop	N4	HDR	070	02	State or Province Code	Customer Mailing Address - State Name	Text	ID(2/2)	Conditional	Conditional	Refer to the implementation guide for the conditions associated with the N4 segment and the conditions associated with the N402 element.
35	Geographic Location (Mailing Address)	N1 Loop	N4	HDR	070	03	Postal Code	Customer Mailing Address - zip code	Text	ID(3/15)	Conditional	Conditional	Refer to the implementation guide for the conditions associated with the N4 segment and the conditions associated with the N403 element.
36	Administrative Communications Contact (Customer Contact Info)	N1 Loop	PER	HDR	080	01	Contact Function Code	Code indicating customer's contact info is being transmitted.	IC	ID(2/2)	Conditional	Not used	This segment should be sent in conjunction with an N1*BT segment when there has been a change in the customer's telephone number.
37	Administrative Communications Contact (Customer Contact Info)	N1 Loop	PER	HDR	080	03		Code indicating the type of contact info being provided in PER04	TE - Telephone	ID(2/2)	Required	Not used	When a PER*IC segment is being sent, this element is required.

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Row No	NY DD Field Name	Loop ID	Segment	Level	Position	Ref Desc	Name	Description	Code	Data Type	Request	Response	Comments
38	Administrative Communications Contact (Customer Contact Info)	N1 Loop	PER	HDR	080	04	Communications Identifier	Customer's Telephone Number	Free text	AN(1/80)	Required	Not Used	When a PER*IC segment is being sent, this element is required.
39	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.
40	Item Identification	LIN Loop	LIN	DTL	010	02	Product/Service ID Qualifier	Indicates a service is being requested	SH	ID(2/2)	Required	Required	
41	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.
42	Item Identification	LIN Loop	LIN	DTL	010	04	Product/Service ID Qualifier	Indicates a service is being requested	SH	ID(2/2)	Required	Required	
43	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.
44	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	
45	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	

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Row No	NY DD Field Name	Loop ID	Segment	Level	Position	Ref Desc	Name	Description	Code	Data Type	Request	Response	Comments
46	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.
47	Reference Identification (Reject Response Reasons)	LIN Loop	REF	DTL	030	02	Reference Identification	Code corresponding to the reason for a rejection	see list of codes in IG	AN(1/30)	Not Used	Required	When a REF*7G segment is sent, this element is required. Refer to the IG for code definitions.
48	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.
49	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.
50	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.

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Row No	NY DD Field Name	Loop ID	Segment	Level	Position	Ref Desc	Name	Description	Code	Data Type	Request	Response	Comments
51	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.
52	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.
53	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. The Response transaction must contain the new account number in the REF*12 segment.
54	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.
55	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.

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Row No	NY DD Field Name	Loop ID	Segment	Level	Position	Ref Desc	Name	Description	Code	Data Type	Request	Response	Comments
56	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.
57	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.
58	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.
59	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.
60	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.
61	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.
62	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.
63	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.
64	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.

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Row No	NY DD Field Name	Loop ID	Segment	Level	Position	Ref Desc	Name	Description	Code	Data Type	Request	Response	Comments
65	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.
66	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.
67	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.
68	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.
69	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.
70	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.

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Row No	NY DD Field Name	Loop ID	Segment	Level	Position	Ref Desc	Name	Description	Code	Data Type	Request	Response	Comments
71	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.
72	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.
73	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.
74	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.
75	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.
76	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.
77	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.

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Row No	NY DD Field Name	Loop ID	Segment	Level	Position	Ref Desc	Name	Description	Code	Data Type	Request	Response	Comments
78	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.
79	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.
80	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.
81	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 is provided to the ESCO by the Utility and used to convey a change in the intended or obligated pipeline capacity requirements necessary to meet the needs of the end use customer as described in its Utility Maintained EDI Guide.
82	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.
83	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.
84	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.
85	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 the notes on the AMT*DP segment).

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Row No	NY DD Field Name	Loop ID	Segment	Level	Position	Ref Desc	Name	Description	Code	Data Type	Request	Response	Comments
86	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.
87	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.
88	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.
89	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.
90	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.
91	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.
92	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.
93	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 NAICS Code.

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Row No	NY DD Field Name	Loop ID	Segment	Level	Position	Ref Desc	Name	Description	Code	Data Type	Request	Response	Comments
94	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.
95	Reference Identification (Industrial Classification Code)	LIN Loop	REF	DTL	030	03	Description	Code indicating whether REF02 contains the SIC or the NAICS Code.	NAICS=REF02 contains NAICS Code SIC=REF02 contains SIC Code	AN(1/80)	Required	Not used	When REF*IJ is being sent, this element is required.
96	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.
97	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.
98	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 ICAP Tags, 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.
99	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.

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Row No	NY DD Field Name	Loop ID	Segment	Level	Position	Ref Desc	Name	Description	Code	Data Type	Request	Response	Comments
100	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.
101	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.
102	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.
103	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.
104	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	Conditional	Not used	The Utility should provide an effective date range when ICAP data is sent.
105	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.
106	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.
107	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.

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Row No	NY DD Field Name	Loop ID	Segment	Level	Position	Ref Desc	Name	Description	Code	Data Type	Request	Response	Comments
108	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.
109	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.
110	Monetary Amount (ESCO 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	Not used	When an AMT*B5 segment is sent this element is required.
111	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.
112	Monetary Amount (ESCO Commodity Price)	LIN Loop	AMT	DTL	060	02	Monetary Amount	Dollar amount	0.00	R(1/18)	Required	ptional	When an AMT*RJ is being sent, this element is required.

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Row No	NY DD Field Name	Loop ID	Segment	Level	Position	Ref Desc	Name	Description	Code	Data Type	Request	Response	Comments
113	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.
114	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.
115	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.
116	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.
117	Monetary Amount (ICAP)	LIN Loop	AMT	DTL	060	03	Special Program Adjustment Indicator	Code indicating if the ICAP tag has been adjusted for a Special Program.	D=No, there is no Special Program Adjustment Indicator related to the ICAP Tag. C=Yes, there is a Special Program Adjustment Indicator related to the ICAP Tag.	ID(1/1)	Optional	Not used	A general indicator not tied to any specific program.

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Row No	NY DD Field Name	Loop ID	Segment	Level	Position	Ref Desc	Name	Description	Code	Data Type	Request	Response	Comments
118	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.
119	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.
120	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.
121	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.

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Row No	NY DD Field Name	Loop ID	Segment	Level	Position	Ref Desc	Name	Description	Code	Data Type	Request	Response	Comments
122	Monetary Amount (ESCO Pricing Adjustment ~~Assistance Program Participation~~ Credit)	LIN Loop	AMT	DTL	060	01	Amount Qualifier Code	Code indicating that AMT02 contains an ESCO Pricing Adjustment ~~Assistance Program Participation~~ Credit that should be used by the utility to apply a one-time credit to the customer's bill. This credit will also be reflected in the URR 810 Invoice sent to the ESCO.	7	ID(1/3)	Conditional	Optional	Primarily used with Utility Rate Ready billing ~~only~~but used with Utility Bill Ready if ESCO issuing EPA credit is no longer serving the customer. This segment must be sent by the ESCO when a credit is necessary to be included on a ~~Rate Ready Consolidated~~ customer bill. This segment would only be sent when the ESCO has charged the customer more than what the utility would have and the ESCO is required to provide a credit to the customer.
123	Monetary Amount ESCO Pricing Adjustment ~~(Assistance Program Participation~~ Credit)	LIN Loop	AMT	DTL	060	02	Monetary Amount	Dollar amount	0.0000	R(1/18)	Required	Required	When an AMT*7 segment is sent, this element is required. ESCO Pricing Adjustment ~~Assistance Program Participation~~ Credit shown as a positive amount.
124	Monetary Amount (ESCO Pricing Adjustment ~~Assistance Program Participation~~ Credit)	LIN Loop	AMT	DTL	060	01	Amount Qualifier Code	Code indicating that segment contains an ESCO Pricing Adjustment ~~Assistance Program Participation~~ Credit shown as a positive amount. For example, if the customer is owed a credit of $2.15, the ESCO would send AMT~7~2.15.	7	ID(1/3)	Conditional	Optional	This segment is sent by an ESCO to report an ESCO Pricing Adjustment~~Assistance Program Participation~~ Credit shown as a positive amount. For example, if the customer is owed a credit of $2.15, the ESCO would send AMT~7~2.15.
125	Monetary Amount (ESCO Pricing Adjustment ~~Assistance Program Participation~~ Credit)	LIN Loop	AMT	DTL	060	02	Monetary Amount	Dollar amount	0.00	R(1/18)	Required	ptional	When an AMT*7 is being sent, this element is required.

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126	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.

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Row No	NY DD Field Name	Loop ID	Segment	Level	Position	Ref Desc	Name	Description	Code	Data Type	Request	Response	Comments
127	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.
128	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.
129	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.
130	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 for the account-level REF*TD segment). 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.
131	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.
132	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.
133	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.
134	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.
135	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.
136	Reference Identification (Utility Rate Sub Class)	NM1 Loop	REF	DTL	130	01	Reference Identification Qualifier	Code indicating REF 02 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.

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Row No	NY DD Field Name	Loop ID	Segment	Level	Position	Ref Desc	Name	Description	Code	Data Type	Request	Response	Comments
137	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.
138	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.
139	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.
140	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.
141	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.
142	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.

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Row No	NY DD Field Name	Loop ID	Segment	Level	Position	Ref Desc	Name	Description	Code	Data Type	Request	Response	Comments
143	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.
144	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.
145	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.
146	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.
147	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.
148	Transaction Set Trailer	None	SE	TLR	150	02	Transaction Set Control Number		ST02	AN(4/9)	Required	Required	Required in all transactions.

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