

# Electronic Data Exchange Standards for Energy Deregulation in New York

**814 Change (Account  
Maintenance)**

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

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

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

	<p><b>Version 1.4 Continued</b></p> <p>A REF03 element is added to the REF*12 segment (Utility Account Number) for use in Change Requests sent to, or received from, Orange &amp; Rockland Utilities when the reported change pertains to the un-metered portion of a <del>customers</del><u>customer's</u> electric service when both metered and un-metered service are present on the same account.</p> <p>The REF*AJ (Utility Assigned Account Number for ESCO/Marketer) segment note is revised to indicate that this segment is Not Used in a Response transaction.</p> <p>A REF*LF (E/M Late Fees) segment is added at the account level to enable E/Ms to communicate a change in late fee policies for customers receiving a Rate Ready consolidated bill from National Fuel Gas.</p> <p>An- AMT*B5 (E/M Budget Plan Installment Amount) segment is added for use in National Fuel Gas service territory. The AMT*B5 segment is used in that service territory to communicate a change in the customers budget plan installment amount for E/M charges when the bill option is Rate Ready consolidated billing and the payment option is Pay-As-You-Get-Paid.</p> <p>Additional codes were added to the REF*TD (Reason for Change – Account Level) segment to accommodate the new segments (PERIC, REFLF and AMTB5).</p> <p>The segment notes for the LIN and REF*TD segments were revised to clarify the number of changes that may be sent in a LIN Loop at the Header and Detail levels.</p> <p>The REF*RB (ESCO Rate Code) segment notes and use attribute are revised to indicate that this segment may be echoed back in transactions responding to requests for rate code changes for an ESCO Referral Program account. Renumbered lines and adjusted line references in the 'Comments' column.</p>
<b><u>October 23, 2014</u></b>	<p><b><u>Version 1.5</u></b></p> <p><u>Utility specific notes are generalized, as appropriate, and designated for relocation to/reference within Utility Maintained EDI Guides, as necessary.</u></p> <p><u>Replaced references to Marketer and E/M with ESCO.</u></p> <p><u>New Change Reason Codes added at the account level and new segments from Case No. 12-M-0476</u>  <u>REFIJ – Change Industrial Classification Code</u>  <u>REFSG – Change Utility Discount Indicator</u>  <u>REFTDT – Change Account Settlement Indicator</u>  <u>REFTX – Change Tax Exempt Status</u>  <u>REFYP – Change NYPA/Recharge New York</u></p> <p><u>Adding AMT03 field to the AMT*KZ segment to accommodate the ICAP Special Program Indicator Code.</u></p>



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

Row No	NY DD Field Name	Loop ID	Segment	Level	Position	Ref Desc	Name	Description	Code	Data Type	Request	Response	Comments
16	Name (Customer)	N1 Loop	N1	HDR	040	02	Name	Literal name of the customer in this transaction	Text or the literal "NAME"	AN(1/60)	Required	Not used	When an N1*8R segment is sent, this element is required. When the Utility reports a service address change, the Request transaction must contain either the actual customer name or the literal 'NAME' in the N102 element of this segment. If either the Utility or <b>E/MESCO</b> 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	See Note on Line 19. 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	See Note on Line 19. When an N4 segment is being sent, this element is required.
22	Administrative Communications Contact (Customer Phone number)	N1 Loop	PER	HDR	080	01	Contact Function Code	Code indicating customer's phone number will be transmitted.	IC	ID(2/2)	Conditional	Not used	This segment may be sent by either the Utility or <b>E/MESCO</b> to provide, or to update, a customer's phone number. If the phone contact information was initially provided in an N1 (Customer) Loop (an N1*8R segment) then the change should be reported in the same Loop in a Change Request transaction. An N1*8R segment must be present in addition to the PER segment for this change.
23	Administrative Communications Contact (Customer Phone number)	N1 Loop	PER	HDR	080	02	Communication Number Qualifier	Code indicating telephone communication	TE	ID(2/2)	Required	Not used	When a PER segment is being sent, this element is required.

Row No	NY DD Field Name	Loop ID	Segment	Level	Position	Ref Desc	Name	Description	Code	Data Type	Request	Response	Comments
24	Administrative Communications Contact (Customer Phone number)	N1 Loop	PER	HDR	080	04	Communication Number	Customer's phone number; area code + 7 digit number (xxxxxyzzzz)	xxxxxyzzzz	AN(1/80)	Required	Not used	When a PER segment is being sent, this element is required.
25	Name (Name for Mailing )	N1 Loop	N1	HDR	040	01	Entity Identifier Code	Code indicating that the address information in N3/N4 is the customer's mailing address for billing	BT	ID(2/3)	Conditional	Not used	This segment must be sent by either the Utility or the <a href="#">E/MESCO</a> 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 <a href="#">E/MESCO</a> to report a change in the customer's telephone number.
26	Name (Name for Mailing )	N1 Loop	N1	HDR	040	02	Name	Name associated with the mailing address	Text or the literal 'NAME'	AN(1/60)	Required	Not used	When an N1*BT segment is being sent, this element is required. When a change in the name associated with the billing address is being reported, this element should contain the new name. If the name for mailing is unchanged but a new address is being reported, this element may contain either the actual name associated with the mailing address or the literal "NAME" at the discretion of the sender.
27	Address Information (Mailing Address )	N1 Loop	N3	HDR	060	01	Address Information	Customer's mailing address - Street.	Text	AN(1/55)	Conditional	Not used	See Notes on lines 25- 26. Refer to the implementation guide for the conditions associated with the N3 segment. This element may contain additional data when NFG is the initiator of the Request transaction.
28	Address Information (Mailing Address )	N1 Loop	N3	HDR	060	02	Address Information	If N301 exceeds 55 characters, the overflow is sent in N302	Text	AN(1/55)	Conditional	Not used	See Notes on lines 25- 26. 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 href="#">NFGa utility that elects the practice in its Utility Maintained EDI Guide</a> is the initiator of the Request transaction.
29	Geographic Location (Mailing Address )	N1 Loop	N4	HDR	070	01	City Name	Customer Mailing Address - City Name	Text	AN(2/30)	Conditional	Not used	See Notes on lines 25- 26. Refer to the implementation guide for the conditions associated with the N4 segment.
30	Geographic Location (Mailing Address )	N1 Loop	N4	HDR	070	02	State or Province Code	Customer Mailing Address - State Name	Text	ID(2/2)	Conditional	Not used	See Notes on lines 25- 26. Refer to the implementation guide for the conditions associated with the N4 segment and the conditions associated with the N402 element.

Row No	NY DD Field Name	Loop ID	Segment	Level	Position	Ref Desc	Name	Description	Code	Data Type	Request	Response	Comments
31	Geographic Location (Mailing Address )	N1 Loop	N4	HDR	070	03	Postal Code	Customer Mailing Address - zip code	Text	ID(3/15)	Conditional	Not used	See Notes on lines 25- 26. Refer to the implementation guide for the conditions associated with the N4 segment and the conditions associated with the N403 element.
32	Administrative Communications Contact (Customer Phone number)	N1 Loop	PER	HDR	080	01	Contact Function Code	Code indicating customer's phone number will be transmitted.	IC	ID(2/2)	Conditional	Not used	This segment should be sent by the <del>E/MESCO</del> in conjunction with an N1*BT segment when there has been a change in the customer's telephone number.
33	Administrative Communications Contact (Customer Phone number)	N1 Loop	PER	HDR	080	03	Communication Number Qualifier	Code indicating telephone communication	TE	ID(2/2)	Required	Not used	See Note on line 32. When a PER*IC segment is sent, this element is required.
34	Administrative Communications Contact (Customer Phone number)	N1 Loop	PER	HDR	080	04	Communication Number	Customer's phone number; area code + 7 digit number (xxxxxyzzzz)	xxxxxyzzzz	AN(1/80)	Required	Not used	See Note on line 32. When a PER*IC segment is sent, this element is required.
35	Item Identification	LIN Loop	LIN	DTL	010	01	Assigned Identification	Unique identifier assigned to this LIN request	Unique ID for each LIN request generated by the sender	AN(1/20)	Required	Required	All segments in a Change Request or Response transaction must pertain to the same account number and commodity (electric or gas). A single Change transaction may be used to request or respond to multiple changes on an account for the commodity specified. It is necessary to transmit each change segment in the header section in a separate LIN loop; changes at the NM1 (Detail level) may be grouped by meter number or ALL or Un-Metered in one LIN loop. The LIN01 identifier identifying the response to a request must be the same identifier sent in the request transaction (refer to sample transactions in the IG). For more detailed instructions regarding LIN looping structure please refer to the Front Matter notes in the 814 Change Implementation Guide.
36	Item Identification	LIN Loop	LIN	DTL	010	02	Product/Service ID Qualifier	Indicates a service is being requested	SH	ID(2/2)	Required	Required	
37	Item Identification	LIN Loop	LIN	DTL	010	03	Product/Service ID	Commodity Type	EL or GAS	AN(1/48)	Required	Required	Only one commodity (Electric or Gas) may be reported in each 814 Change transaction.
38	Item Identification	LIN Loop	LIN	DTL	010	04	Product/Service ID Qualifier	Indicates a service is being requested	SH	ID(2/2)	Required	Required	



Row No	NY DD Field Name	Loop ID	Segment	Level	Position	Ref Desc	Name	Description	Code	Data Type	Request	Response	Comments
39	Item Identification	LIN Loop	LIN	DTL	010	05	Product/Service ID	Indicates the change reported pertains to the enrollment for energy services.	CE	AN(1/48)	Required	Required	The CE code is generally associated with enrollment for energy services. The ASI02 element (line 38 below) contains the code (001) indicating this is a Change transaction.
40	Action or Status Indicator	LIN Loop	ASI	DTL	020	01	Action Code	Code indicating the action or status of the LIN request.	7=Request U=Reject WQ=Accept	ID(1/2)	Required	Required	
41	Action or Status Indicator	LIN Loop	ASI	DTL	020	02	Maintenance Type Code	Code indicating that this 814 transaction is a Change transaction.	001=Change	ID(3/3)	Required	Required	
42	Reference Identification (Reject Response Reasons)	LIN Loop	REF	DTL	030	01	Reference Identification Qualifier	Code indicating that REF02 contains a reject reason	7G	ID(2/3)	Not Used	Conditional	This segment is used on Reject Response transactions to indicate the reason a change request has been rejected.
43	Reference Identification (Reject Response Reasons)	LIN Loop	REF	DTL	030	02	Reference Identification	Code corresponding to the reason for a rejection	A13, A76, A91, API, C11, FRB, FRC, M76, W05	AN(1/30)	Not Used	Required	See Note on line 42. When a REF*7G segment is sent, this element is required. Refer to the IG for code definitions.
44	Reference Identification (Reject Response Reasons)	LIN Loop	REF	DTL	030	03	Reference Identification	Text supplied to provide further clarification when REF02 = A13 or API	Text	AN(1/80)	Not Used	Conditional	See Note on line 42. When REF02 in this segment is A13 (Other) or API (Required Information Missing) this element is required to clarify the reason for the rejection.
45	Reference Identification (Reason for Change - Account Level)	LIN Loop	REF	DTL	030	01	Reference Identification Qualifier	Reason for change	TD	ID(2/3)	Conditional	Optional	The REF*TD segments contain codes that identify the data segment(s) that contain the data that has, or will be, changed. The first occurrence of the REF*TD (at position 030) is used to identify the data segment(s) at the account level that are being changed. The REF*TD at position 130 is used to identify the data segment(s) at the meter level that are being changed (see line 107). The REF*TD segments may be echoed back on Response transactions at the option of the sender.
46	Reference Identification (Reason for Change - Account Level)	LIN Loop	REF	DTL	030	02	Reference Identification	Code which describes the change identified in the LIN loop.	see list of codes in IG	AN(1/30)	Required	Optional	See Notes on line 45. The first portion of the code identifies the segment (e.g. AMT, DTM, N1, REF, etc.) that contains the data that has been, or will be, changed. The remaining portion of the code identifies the relevant code qualifier (e.g. for AMT segments the qualifiers would be "DP", "FW", etc.) for the data that has been changed. The changed data will be sent in the appropriate element of the identified segment. See Implementation Guide for examples.

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

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

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

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

	(Gas Capacity Assignment/Obligation)												the 814 Change Implementation Guide for the definition of Y and N.
Row No	NY DD Field Name	Loop ID	Segment	Level	Position	Ref Desc	Name	Description	Code	Data Type	Request	Response	Comments
79	Reference Identification (ISO Location Based Marginal Pricing Zones)	LIN Loop	REF	DTL	030	01	Reference Identification Qualifier	Code indicating the ISO LBMP zone for the customer.	SPL	ID(2/3)	Conditional	Not used	ELECTRIC ONLY. Sent by the Utility to report a change in the customer's LBMP zone.
80	Reference Identification (ISO Location Based Marginal Pricing Zones)	LIN Loop	REF	DTL	030	02	Reference Identification	Code indicating the ISO LBMP zone in which the customer resides.	refer to codes listed in IG	AN(1/30)	Required	Not used	When a REF*SPL segment is sent, this element is required.
81	Reference Identification (Portion Taxed Residential)	LIN Loop	REF	DTL	030	01	Reference Identification Qualifier	Code indicating the data in REF 02 describes the percent of a non-residential account that is taxed at a residential rate.	RP	ID(2/3)	Conditional	Not used	<del>This</del> Where a utility that elects the practice in its Utility Maintained EDI Guide, this segment must be sent to National Grid and/or O&R the utility when the bill option is Utility Rate Ready consolidated billing and there has been a change in the portion of the non-residential account that is taxed at a residential rate (see also lines 99-102100-103).
82	Reference Identification (Portion Taxed Residential)	LIN Loop	REF	DTL	030	02	Reference Identification		refer to codes listed in IG	AN(1/30)	Required	Not used	When a REF*RP is being sent, this element is required.
8386	Date/Time Reference (Effective Date of Change) Identification (Account Settlement Indicator)	LIN Loop	DTMREF	DTL	040030	01	Date/Time Reference Identification Qualifier	Code indicating segment that REF02 contains effective date of change the Account Settlement Indicator for the account requested.	007TDT	ID(32/3)	Conditional	Condition alNot used	Required on all Utility-initiated requests (except for changes to Assigned Service Start or Assigned Service End Date). Required on the Utility Response to an E/M 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 E/M Request transactions when a change in E/M 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. ELECTRIC ONLY. Sent by the Utility to report a change in the customer's Account Settlement.
87	Reference Identification	LIN Loop	REF	DTL	030	02	Reference Identification	Code indicating how the usage is settled	C=Class Shape	AN(1/30)	Required	Not used	When REF*TDT is being sent, this element is required.

	(Account Settlement Indicator)							with NYISO for the account requested.	H=Hourly M=Mixed				
88	Reference Identification (NYPA/ReCharge New York)	LIN Loop	REF	DTL	030	01	Reference Identification Qualifier	Code indicating that REF02 contains the NYPA/ReCharge New York Indicator for the account requested.	YP	ID(2/3)	Conditional	Not used	ELECTRIC ONLY. Sent by the Utility to report a change in the customer's NYPA/ReCharge New York program status.
89	Reference Identification (NYPA/ReCharge New York)	LIN Loop	REF	DTL	030	02	Reference Identification	Code indicating whether the account requested participates in the NYPA/ReCharge New York 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.

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



Row No	NY DD Field Name	Loop ID	Segment	Level	Position	Ref Desc	Name	Description	Code	Data Type	Request	Response	Comments
83	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	Conditiona l	Required on all Utility initiated requests (except for changes to Assigned Service Start or Assigned Service End Date). Required on the Utility Response to an ESCO request for a change in a customer's billing option. Required on requests from Single Retailer marketers when an address change is being reported. This segment should also be sent on ESCO Request transactions when a change in ESCO Commodity Price, Fixed Charge or Rate Code is being requested AND the Utility has agreed to process rate or price changes on a date other than the regularly scheduled bill cycle date.
84	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.
85	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 <del>customer's</del> customer's enrollment and will only be sent during the period an enrollment is pending for the customer.
Row No	NY DD Field Name	Loop ID	Segment	Level	Position	Ref Desc	Name	Description	Code	Data Type	Request	Response	Comments
86	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.
87	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.
88	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.
89	Monetary Amount (Tax Exemption Percent)	LIN Loop	AMT	DTL	060	01	Amount Qualifier Code	Code indicating some or all of the E/M service is exempt from state sales tax.	DP	ID(1/3)	Condition al	Not used	This segment pertains to a change in the state sales taxes applicable to the E/Ms service on the account. This segment should be sent by the E/M 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.
99	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 E/M service on the account is fully tax exempt from state sales taxes. A "0" indicates the account is NOT exempt from state sales taxes.
91	Monetary Amount (E/M 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 E/M.	B5	ID(1/3)	Conditional	Optional	NFG Only. This segment is sent in E/M Request transactions to change the monthly budget installment amount the customer is expected to pay under E/M 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.
92	Monetary Amount (E/M 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	Required	When a AMT*B5 segment is sent this element is required.

Row No	NY DD Field Name	Loop ID	Segment	Level	Position	Ref Desc	Name	Description	Code	Data Type	Request	Response	Comments
9389	Monetary Amount (E/M Commodity Price Tax Exemption Percent)	LIN Loop	AMT	DTL	060	01	Amount Qualifier Code	Code indicating that segment contains some or all of the E/M commodity price-ESCO service is exempt from state sales tax.	RJDP	ID(1/3)	Conditional	Optional N ot used	This segment is sent by an E/M 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 the state sales taxes applicable to the ESCOs service on the Utility Response transaction, at the option of the Utility, to confirm price changes account. This segment may should be accompanied sent by the ESCO when there is 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. the tax exemption status of the account and the Utility is the bill calculator. This segment is not used in the Single Retailer Model.
9490	Monetary Amount (E/M Commodity Price Tax Exemption Percent)	LIN Loop	AMT	DTL	060	02	Monetary Amount	Dollar amount "1" = 100 percent (fully tax exempt); decimal numbers less than "1" represent percentages.	0.000000	R(1/18)	Required	Optional N ot used	See Line 93- When an AMT* RJDP segment is being 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.
9691	Monetary Amount (E/M Fixed Charge ESCO Budget Plan Installment Amount)	LIN Loop	AMT	DTL	060	01	Amount Qualifier Code	Code indicating that segment AMT02 contains the E/M fixed charge per account installment amount that should appear on the customer's consolidated bill for a budget plan negotiated with the ESCO.	FWB5	ID(1/3)	Conditional	Optional	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. This segment is sent by an E/M 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.
96	Monetary Amount (E/M Fixed Charge)	LIN Loop	AMT	DTL	060	02	Monetary Amount	Dollar amount	0.00	R(1/18)	Required	Optional	See Line 95. When an AMT*FW is being sent, this element is required.
97	Monetary Amount (Electric Capacity Assignment)	LIN Loop	AMT	DTL	060	01	Amount Qualifier Code	Code indicating that segment contains the customers peak load contribution	KZ	ID(1/3)	Conditional	Not used	ELECTRIC ONLY. This segment will be sent by O&R to report a change in the customer's peak load contribution.
98	Monetary Amount (Electric Capacity Assignment)	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. See Line 97. When an AMT*KZ segment is being sent, this element is required.
<b>Row No</b>	<b>NY-DD-Field Name</b>	<b>Loop ID</b>	<b>Segment</b>	<b>Level</b>	<b>Position</b>	<b>Ref Desc</b>	<b>Name</b>	<b>Description</b>	<b>Code</b>	<b>Data Type</b>	<b>Request</b>	<b>Response</b>	<b>Comments</b>
99	Monetary Amount (Customers Tax Rate for E/M 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 E/Ms 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 E/M to report a change in the customers tax rate for all service on the account OR for the portion taxed at a residential rate when the applicable utility requires the E/M 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.
<del>100</del> <u>2</u>	Monetary Amount (Customers Tax Rate for E/M Charges -1) ESCO Budget Plan Installment Amount	LIN Loop	AMT	DTL	060	02	Monetary Amount	Budget Plan Installment Amount Decimal numbers less than "1".	0.0000 Whole numbers of the form xxx or xx (e.g. 100 or 75)	R(1/18)	Required	Required	When an AMT*9MB5 segment is sent, this element is required. Since tax rate information is being sent, the AMT02 should <1.
<del>101</del> <u>3</u>	Monetary Amount (Customers Tax Rate for E/M Charges -2) ESCO Commodity Price	LIN Loop	AMT	DTL	060	01	Amount Qualifier Code	Code indicating that AMT02 segment contains the tax rate that should be used by the utility to calculate tax amounts applicable to E/Ms charges for the portion of the service that is	9NRJ	ID(1/3)	Conditional	Optional	Utility Rate Ready billing only. This segment is sent by an E/M to report a change in the customers tax rate for the portion of service taxed at a commercial rate when the applicable utility requires the E/M to provide tax data via EDI. This segment is sent by an ESCO to report a change in its commodity

								taxed at a commercial rate-ESCO commodity price					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. 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.
102	Monetary Amount (Customers Tax Rate for E/M Charges -2)	LIN Loop	AMT	DTL	060	02	Monetary Amount	Decimal numbers less than "4".	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.
103	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 E/M 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 E/M Request.

Row No	NY DD Field Name	Loop ID	Segment	Level	Position	Ref Desc	Name	Description	Code	Data Type	Request	Response	Comments
104	<del>Metered or UnMetered Service points</del>	NM1 Loop	NM1	DTL	080	02	Entity Type Qualifier	Required by X12	3	ID(1/1)	Required	Required	See Line 103. When an NM1 segment is sent, this element is required.
1059 4	Metered or UnMetered Service points Monetary Amount (ESCO Commodity Price)	NM1LN Loop	NM1AMT	DTL	080060	0802	Identification Code Qualifier Monetary Amount	Code 32 used to indicate that NM109 contains a meter number; Code 93 is used to indicate that NM109 is a literal Dollar amount	32 or 930.00	IDR(1/218)	Required	Required Optional	See Line 10393. When an NM1 segment is sent, this element is required.
106	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	See Line 103. When an NM1 segment is sent, this element is required.
1079 5	Reference Identification (Reason for Change - Meter Level) Monetary Amount (ESCO Fixed Charge)	NM1LN Loop	REFAMT	DTL	130060	01	Reference Identification Amount Qualifier Code	Code which describes indicating that segment contains the change identified in the NM1 loop. ESCO fixed charge per account	TD FW	ID(21/3)	Conditional	Optional	The REF*TD at position 130 is used to identify which data segment(s) are being changed at the detail (or meter) level (see notes on lines 45-46). A transaction may contain more than one REF*TD segment at this level. The REF*TD segments may be echoed back on Response transactions at the option of the sender. 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 DTIM*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.
1089 6	Reference Identification (Reason for Change - Meter Level) Monetary Amount (ESCO Fixed Charge)	NM1LN Loop	REFAMT	DTL	130060	02	Reference Identification Monetary Amount	Code identifying the type of segment and segment qualifier for the data that has, or will be, changed. Dollar amount	see list of codes in IG0.00	ANR(1/3018)	Required	Required Optional	See Lines 45 and 107 Line 95. When a REF*TD segment AMT*FW is being sent at position 130, this element is required.
1099	Reference	NM1LN Loop	REFAMT	DTL	130060	01	Reference	Code indicating old	46KZ	ID(21/3)	Conditional	Not used	ELECTRIC ONLY. This segment is

Z	Identification (Old-Meter Number)Mon etary Amount (ICAP)	N Loop					IdentificationA mount Qualifier Code	Meter-Number-is being communicatedthat segment contains the customer's ICAP tag.			al		usedwill be sent by O&R to report a change in the old-meter-number when one meter is being exchanged for another.—The new meter number is sent in element NM109. customer's peak load contribution.
1409 8	Reference Identification (Old-Meter Number)Mon etary Amount (ICAP)	NM1LI N Loop	REFAMT	DTL	430060	02	Reference IdentificationM onetary Amount	old-Meter-Number"1" = 100 percent; decimal numbers less than "1" represent percentages.	old-Meter Number 0.0000	ANR(1/301 8)	Required	Not used	ELECTRIC ONLY. See Line 97. When a-REF*46an AMT*KZ segment is being sent, this element is required to report the OLD meter number.
1419 9	Reference Identification (Utility-Rate Service Class)Moneta ry Amount (ICAP)	NM1LI N Loop	REFAMT	DTL	430060	0403	Reference Identification QualifierSpecia l Program Adjustment Indicator	Code indicating REF02 contains if the utility rate classICAP tag has been adjusted for a Special Program.	NHN=No Y=Yes	ID(2/31/1)	Condition alOptional	Not used	This segment is sent by the Utility when there has been a change in the customer's Utility-rate service class.A general indicator not tied to any specific program.
112	Reference Identification (Utility-Rate Service Class)	NM1 Loop	REF	DTL	430	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.
1431 00	Reference Identification (Utility-Rate Sub Class)Moneta ry Amount (Customers Tax Rate for ESCO Charges - 1)	NM1LI N Loop	REFAMT	DTL	430060	01	Reference IdentificationA mount Qualifier Code	Code indicating REF 02that AMT02 contains the tax rate that should be used by the utility rate sub- classto calculate tax amounts applicable to ESCOs charges either for the customerall service on the account OR for the portion of the service that is taxed at a residential rate.	PR9M	ID(21/3)	Condition al	Not usedOptio nal	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. This data segment will be sent by the Utility to communicate a change in the customer's Utility-rate sub-class.

Row No	NY DD Field Name	Loop ID	Segment	Level	Position	Ref Desc	Name	Description	Code	Data Type	Request	Response	Comments
1441 01	Reference Identification (Utility-Rate Sub Class)Moneta ry Amount (Customers Tax Rate for ESCO	NM1LI N Loop	REFAMT	DTL	430060	02	Reference IdentificationM onetary Amount	Decimal numbers less than "1". Utility-rate sub-class	Text0.0000	ANR(1/301 8)	Required	Not usedRequi red	When a-REF*PRan AMT*9M segment is sent, this element is required. The data sent in REF02 may be used to retrieve Since tax rate information from a utility's web site is being sent, the AMT02 should ≤1.

	<u>Charges - 1)</u>												
115	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.
116	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.
117102	Reference Identification (Measurement Type and Reporting Interval) Monetary Amount (Customers Tax Rate for ESCO Charges - 2)	NM1LN Loop	REFAMT	DTL	130060	01	Reference Identification Amount Qualifier Code	Code indicating that this segment will contain AMT02 contains the type of consumption measured tax rate that should be used by the meter and utility to calculate tax amounts applicable to ESCOs charges for the interval between measurements portion of the service that is taxed at a commercial rate.	MT9N	ID(21/3)	Conditional	Not used 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. 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.
118103	Reference Identification (Measurement Type and Reporting Interval) Monetary Amount (Customers Tax Rate for ESCO Charges - 2)	NM1LN Loop	REFAMT	DTL	130060	02	Reference Identification Monetary Amount	Decimal numbers less than "1".	refer to codes in IG0.0000	ANR(1/3018)	Required	Not used Required	When a REF*MT an AMT*9N segment is sent, this element is required. Since tax rate information is being sent, the AMT02 should be <1.
119104	Metered or UnMetered Service points Reference	NM1 Loop	REFNM1	DTL	130080	01	Reference Identification Entity Identifier Code	Code indicating that this segment contains data on the time of day classification for which measurements	valid codes: MA, MQ, MR, MX, TU	ID(2/3)	Conditional	Not used Optional	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



	Identification (Use Time of Day)							are obtained. Codes used to describe an activity or a change in data associated with metered and/or unmetered service end points.					in previously reported data AND the "COMBO" code was sent in the REF*MT segment OR usage is measured in time intervals. 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.
105	Metered or UnMetered Service points	NM1 Loop	NM1	DTL	080	02	Entity Type Qualifier	Required by X12	3	ID(1/1)	Required	Required	See Line 104. When an NM1 segment is sent, this element is required.
1201 06	Metered or UnMetered Service points Reference Identification (Use Time of Day)	NM1 Loop	REFNM1	DTL	130080	0208	Reference Identification Code Qualifier	Codes indicating time of day classification Code 32 used to indicate that NM109 contains a meter number. Code 93 is used to indicate that NM109 is a literal.	41, 42, 43, 32 or 5493	ANID(1/30 2)	Required	Not used Required	See Line 104. When a REF*TUan NM1 segment is being sent, this element is required.

Row No	NY DD Field Name	Loop ID	Segment	Level	Position	Ref Desc	Name	Description	Code	Data Type	Request	Response	Comments
107	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	See Line 104. When an NM1 segment is sent, this element is required.
108	Reference Identification (Reason for Change - Meter Level)	NM1 Loop	REF	DTL	130	01	Reference Identification Qualifier	Code which describes the change identified in the NM1 loop.	TD	ID(2/3)	Conditional	Optional	The REF*TD at position 130 is used to identify which data segment(s) are being changed at the detail (or meter) level (see notes on lines 45-46). A transaction may contain more than one REF*TD segment at this level. The REF*TD segments may be echoed back on Response transactions at the option of the sender.
109	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	See Lines 45 and 108. When a REF*TD segment is being sent at position 130, this element is required.
110	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.
111	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.
112	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.
113	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.
114	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.
115	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.
116	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.

Row No	NY DD Field Name	Loop ID	Segment	Level	Position	Ref Desc	Name	Description	Code	Data Type	Request	Response	Comments
<del>124</del> <u>17</u>	Reference Identification (Use Time of Day Utility Load Profile Group Code)	NM1 Loop	REF	DTL	130	<del>03</del> <u>02</u>	<del>Description</del> <u>Reference Identification</u>	Codes used to describe the measurement type and interval between measurements. Utility assigned load profile code	Type: K1, K2, K3, K4, K5, or KH Interval: BIM, DAY, MON, QTR, or TOU, or 001-999 for minutes. Utility assigned load profile code	<del>AN(1/30)</del>	Required	Not used	When a REF* <del>TU</del> segment is being sent, this element is required.
<del>122</del> <u>18</u>	Reference Identification (E/M-Rate Code Measurement Type and Reporting Interval)	NM1 Loop	REF	DTL	130	01	Reference Identification Qualifier	Code indicating REF02 contains that this segment will contain the E/M-rate code for a type of consumption measured by the meter, all meters or all unmetered service and the interval between measurements.	<del>RBMT</del>	ID(2/3)	Conditional	<del>Conditional</del> <u>Not used</u>	This segment will be sent by the E/M 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 DTMM*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. Rate code changes on ESCO Referral Program accounts may be echoed back in the Response transaction. This segment will be sent by the Utility to describe the measurement types and reporting intervals for the service delivery point(s) identified in the NM109 element when (1) one meter has been exchanged for another and the measurement types and/or reporting intervals for the new meter are different than the measurement types and/or reporting intervals associated with the old meter; (2) a meter has been added; or (3) there are changes or corrections to the measurement types and/or reporting intervals for an existing meter.
<del>123</del> <u>19</u>	Reference Identification (E/M-Rate Code Measurement Type and Reporting Interval)	NM1 Loop	REF	DTL	130	02	Reference Identification Qualifier	E/M-Rate Code	text refer to codes in IG	AN(1/30)	Required	<del>Required</del> <u>Not used</u>	When a REF* <del>RBMT</del> segment is being sent, this element is required.
<del>124</del> <u>20</u>	<del>Reference Identification</del> (Use Time of Day) Transaction	<del>None</del> NM1 Loop	<del>SEREF</del>	<del>TLRD</del> TL	<del>450</del> <u>130</u>	01	Number of Included Segments <del>Reference</del>	Number of segments in this transaction. Code indicating that this	#TU	<del>NO</del> 4/40ID(2/3)	Required Conditional	<del>Required</del> <u>Not used</u>	Required in all transactions. ELECTRIC ONLY. This segment is sent when there is a change in the manner usage will be

	ion-Set Trailer						<u>Identification Qualifier</u>	<u>segment contains data on the time of day classification for which measurements are obtained.</u>					<u>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.</u>
<u>1251 21</u>	<u>Reference Identification (Use Time of Day) Transaction-Set Trailer</u>	<u>None NM1 Loop</u>	<u>SEREF</u>	<u>TLRD TL</u>	<u>450130</u>	<u>02</u>	<u>Transaction Set Control NumberReference Identification Qualifier</u>	<u>-Codes indicating time of day classification</u>	<u>ST0241, 42, 43, or 51</u>	<u>AN(4/91/30 )</u>	<u>Required</u>	<u>RequiredN ot used</u>	<u>Required in all transactions: When a REF* TU segment is being sent, this element is required.</u>
<u>122</u>	<u>Reference Identification (Use Time of Day)</u>	<u>NM1 Loop</u>	<u>REF</u>	<u>DTL</u>	<u>130</u>	<u>03</u>	<u>Description</u>	<u>Codes used to describe the measurement type and interval between measurements.</u>	<u>Type: K1, K2, K3, K4, K5, or KH Interval: BIM, DAY, MON, QTR, or TOU, or 001- 999 for minutes.</u>	<u>-</u>	<u>Required</u>	<u>Not used</u>	<u>When a REF* TU segment is being sent, this element is required.</u>

Row No	NY DD Field Name	Loop ID	Segment	Level	Position	Ref Desc	Name	Description	Code	Data Type	Request	Response	Comments
<u>123</u>	<u>Reference Identification (ESCO Rate Code)</u>	<u>NM1 Loop</u>	<u>REF</u>	<u>DTL</u>	<u>130</u>	<u>01</u>	<u>Reference Identification Qualifier</u>	<u>Code indicating REF02 contains the ESCO rate code for a meter, all meters or all unmetered service.</u>	<u>RB</u>	<u>ID(2/3)</u>	<u>Conditional</u>	<u>Conditional</u>	<u>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.</u>
<u>124</u>	<u>Reference Identification (ESCO Rate Code)</u>	<u>NM1 Loop</u>	<u>REF</u>	<u>DTL</u>	<u>130</u>	<u>02</u>	<u>Reference Identification Qualifier</u>	<u>ESCO Rate Code</u>	<u>text</u>	<u>AN(1/30)</u>	<u>Required</u>	<u>Required</u>	<u>When a REF*RB segment is being sent, this element is required.</u>
<u>125</u>	<u>Transaction Set Trailer</u>	<u>None</u>	<u>SE</u>	<u>TLR</u>	<u>150</u>	<u>01</u>	<u>Number of Included Segments</u>	<u>Number of segments in this transaction.</u>	<u>#</u>	<u>NO 1/10</u>	<u>Required</u>	<u>Required</u>	<u>Required in all transactions.</u>
<u>126</u>	<u>Transaction Set Trailer</u>	<u>None</u>	<u>SE</u>	<u>TLR</u>	<u>150</u>	<u>02</u>	<u>Transaction Set Control Number</u>	<u>-</u>	<u>ST02</u>	<u>AN(4/9)</u>	<u>Required</u>	<u>Required</u>	<u>Required in all transactions.</u>