

Electronic Data Exchange Standards for Energy Deregulation in New York

814 Enrollment Request & Response

EDI 814 Data Dictionary Request and Response

May 17, 2006**October 23, 2014**
Version 2.01

	Summary of Changes
July 20, 2001	Initial Release
August 7, 2002	Version 1.1 Issued
	<p>Added REF*AJ (Utility Account Number for ESCO/Marketer) segment.</p> <p>Renumbered lines and corrected line references as necessary.</p> <p>Corrected use attribute for the N302 element in the N1*8R and N1*BT loops from 'Required' to 'Conditional' per the October 2, 2001 clarification. This element is only sent in an Enrollment Accept Response transaction when the street address exceeds 55 characters.</p> <p>Modified the Comment for the REF*65 (Meter Cycle Code) and REF*BF (Bill Cycle Code) to clarify that these segments are only required on an enrollment accept response. Corrected use attribute for the REF03 element in the REF*65 (Meter Cycle Code) and REF*BF (Bill Cycle Code) from 'Optional' to 'Conditional' per the October 2, 2001 clarification.</p> <p>Corrected use attribute for the REF03 element in the REF*TU (Use Time of Day) segment from 'Conditional' to 'Required' per the October 2, 2001 clarification.</p> <p>Corrected use attribute for the N3 and N4 segments in the N1*BT (Mailing Address) segment from 'Required' to 'Conditional'. Mailing address information is only sent in an Enrollment Accept Response when the E/M is the bill presenter AND the customers mailing address differs from service address.</p> <p>Corrected the Comment for the REF03 element in the REF*1P (Response Information or Warnings) segment to refer to details regarding an accept enrollment response.</p> <p>Modified the Comment for the REF*93 (Fee Approved/Fee Applied) segment -to clarify that this segment is applicable to an accept response to a request for consumption history.</p> <p>Modified the Comment for the following segments to clarify that "accept response" pertains to an enrollment request (versus a secondary request for consumption history): REF*BLT, REF*PC, REF*NR, REF*SU, REF*GC, REF*GS, REF*RP, DTM*150, and all segments in the NM1 loop.</p>

November 26, 2002	Version 1.2 Issued
	Added a new AMT segment (AMT*FW) to enable ESCO/Marketers to send fixed charge information when the bill option is Utility Rate Ready consolidated billing.
March 17, 2004	Version 1.3 Issued
	<p>Added code values to the 02 element in the REF*TU segment to enable Orange & Rockland Utilities, Inc. and Consolidated Edison of New York, Inc. (or other utilities at their option) to describe in more detail in an Accept Response transaction, the type of electric usage data ESCOs can expect to receive in either an 867HU or 867MU transaction.</p> <p>Added AMT*9M and AMT*9N 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>Corrected coding and notes associated with the REF*GC (Gas Capacity Assignment/Obligation) segment.</p>
May 17, 2006	Version 2.0 Issued
	<p>All references to Niagara Mohawk or NMPC are revised to reflect the distribution utility's new name (National Grid).</p> <p>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.</p> <p>The BGN06 (Reference Identification in the Beginning Segment) element notes are revised to allow for transmitting the text 'MANUAL' in an Enrollment Accept Response transaction initiated by the utility does not have a corresponding Request transaction, for example, an ESCO Referral Program enrollment.</p> <p>An N106 element is added to the N1*8R (Customer) segment to be used in an Enrollment Accept Response transaction to indicate that the customer enrolled is an ESCO Referral Program participant.</p> <p>A PER segment is added to the N1 (Customer) Loop to enable utilities to transmit the customer's telephone number in an Accept Response transaction when the customer was enrolled with the E/M through participation in a utility sponsored ESCO Referral Program.</p>

	Version 2.0 Continued
	<p>Code 'FNA' (Fee Not Authorized) was deleted from the list of codes in the REF*7G- (Reject Response Reasons) segment. Under the Uniform Business Practices issued August 2, 2004 a utility may no longer impose a charge for providing a customer's consumption history (section 4.2.a.) or a gas profile (section 4.2.b.).</p> <p>The REF*93 (Fee Approved/Fee Applied) segment is deleted as unnecessary. Fees may no longer be assessed for the consumption history or gas profile data described in section 4.2. of the Uniform Business Practices.</p> <p>A REF03 element was added to the REF*12 segment (Utility Account Number) for use on Enrollment Requests sent to or received from Orange & Rockland Utilities when a request pertains to enrolling the un-metered portion of a customer's electric service when both metered and un-metered service are present on the same account.</p> <p>The usage attributes for the REF*PC (Bill Calculator) and REF*BLT (Bill Calculator) are revised. These segments are required in Enrollment Request and Enrollment Accept Response transactions. The segment notes are also revised to clarify the use of these segments in National Fuel's service territory where both Utility Rate Ready consolidated billing and Single Retailer is offered.</p> <p>The notes for codes in the REF02 element of the REF*BLT and REF*PC segments are revised to clarify which codes should be transmitted for the Single Retailer Model (National Fuel Gas only).</p> <p>The REF03 element note for the REF*BLT (Bill Presenter) segment is revised to omit reference to the UBP.</p> <p>A REF*LF (E/M Late Fees) segment was added at the account level to enable E/Ms to communicate in an Enrollment Request transaction whether National Fuel Gas should calculate and assess E/M late fees when the customerscustomer's bill option is Utility Rate Ready consolidated billing.</p> <p>The REF*ALC (Human Needs Customer) segment notes are revised to indicate that this segment is required by National Grid only on gas enrollment requests for non-residential customers.</p>

	Version 2.0 Continued
	<p>Two segments were added at the account level to enable E/Ms to communicate to National Fuel Gas in an Enrollment Request transaction a customer's budget plan installment and pre-existing budget plan balance. The AMT*BD (E/M Budget Plan Balance) and AMT*B5 (E/M Budget Plan Installment Amount) are sent when a REF*NR (Current Budget Billing Status) segment is present in a Request transaction and the bill option for the customer being enrolled is Utility Rate Ready consolidated billing.</p> <p>The AMT*RJ (Commodity Price), AMT*FW (E/M Fixed Charge) and REF*RB (ESCO Rate Code) segment notes are revised to accommodate Enrollment Accept Response transactions for ESCO Referral Program enrollments initiated by the utility. AMT*RJ and AMT*FW may contain zeros or dummy codes in these Response transactions because the utility may be unable to provide the discounted commodity price for the customer enrolled at the time the Accept Response transaction is sent.</p> <p>The usage attribute for the REF*RB segment in an Enrollment Accept Response transaction is changed from 'Not Used' to 'Conditional'; National Grid may send this segment in an Accept Response transaction for ESCO Referral Program enrollments to provide the E/M with the rate code applicable to Referral Program participants.</p> <p>The element note for the NM109 element is revised to add a reference pertaining to the handling of un-metered service on an electric account in Orange & Rockland's service territory.</p> <p>All line references in the Comments column are updated.</p>

October 23, 2014	Version 2.1
	<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>Adding these new segments from Case - 12-M-0476:</u></p> <p><u>REF*IJ (Industrial Classification Code).</u></p>

	<u>REF*TX (Utility Tax Exempt Status).</u> <u>REF*TDT (Account Settlement Indicator).</u> <u>REF*YP (NYPA/Recharge New York).</u> <u>REF*SG (Utility Discount)</u> <u>Adding AMT03 field to the AMT*KZ segment to accommodate the</u> <u>ICAP Special Program Indicator Code.</u>
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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	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	When BGN01=11, this element is the BGN02 from the original Request transaction or the text 'MANUAL' when a Response transaction does not have a corresponding Request transaction, for example in ESCO Referral Program enrollments.	ID# or MANUAL	AN(1/30)	Not Used	Required	When a Request transaction is sent by the E/MESCO the corresponding utility Response transaction should contain the BGN02 id from the Request transaction to enable the recipient to cross reference the response with the request transaction. This is particularly helpful when the Request transaction contains multiple requests in the LIN loop and the utility sends multiple responses in separate 814 Response transactions. When an Enrollment Accept Response transaction is initiated by the utility and there is no corresponding Request transaction, for example, in an ESCO Referral Program enrollment, the BGN06 element will contain the text 'MANUAL'.
7	Name (ESCO/Marker)	NI 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/Marker)	NI 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/Marker)	NI 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/Marker)	NI Loop	N1	HDR	040	04	Identification Code	ID number for E/MESCO	ID#	AN(2/80)	Required	Required	
11	Name (Utility)	NI Loop	N1	HDR	040	01	Entity Identifier Code	Code identifying the utility in this transaction	8S	ID(2/3)	Required	Required	
12	Name (Utility)	NI 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.

Row No	NY DD Field Name	Loop ID	Segment	Level	Position	Ref Desc	Name	Description	Code	Data Type	Request	Response	Comments
13	Name (Utility)	NI 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)	NI Loop	N1	HDR	040	04	Identification Code	ID number for Utility	ID#	AN(2/80)	Required	Required	
15	Name (Customer)	NI Loop	N1	HDR	040	01	Entity Identifier Code	Code identifying the customer in this transaction	8R	ID(2/3)	Optional	Conditional	When an enrollment request is accepted, the customer's service address must be returned in the Enrollment Accept Response transaction. The address information in the N3/N4 segments must be accompanied by "name" information in an N1 segment to comply with X12 requirements.
16	Name (Customer)	NI Loop	N1	HDR	040	02	Name	Literal name of the customer in this transaction	Text or the literal "NAME"	AN(1/60)	Optional	Required	When an Enrollment Accept Response is being sent, this element is required. See Comment on Line 15.
17	Name (Customer)	N1 Loop	N1	HDR	040	06	Entity Identifier Code	Code indicating identifying the entity sent in this response pertains to an ESCO Referral Program Enrollment N1 segment.	PS	ID(2/3)	Not Used	Conditional Optional	This element must may be present in Enrollment Accept Response transactions when the customer is an ESCO Referral Program participant enrolled by the utility.
18	Address Information (Service Address)	NI Loop	N3	HDR	060	01	Address Information	Customer Service Address - Street	Text	AN(1/55)	Not Used	Required	When an Enrollment Accept Response is being sent, this element is required. See Comment on Line 15.
19	Address Information (Service Address)	NI Loop	N3	HDR	060	02	Address Information (overflow)	If N301 exceeds 55 characters, the overflow is sent in N302	Text	AN(1/55)	Not Used	Conditional	When an Enrollment Accept Response is being sent and the street address exceeds 55 characters, the overflow is sent in this element. See Comment on Line 15.
20	Geographic Location (Service Address)	NI Loop	N4	HDR	070	01	City Name	Customer Service Address - City	Text	AN(2/30)	Not Used	Required	When an Enrollment Accept Response is being sent, this element is required. See Comment on Line 15.
21	Geographic Location (Service Address)	NI Loop	N4	HDR	070	02	State or Province Code	Customer Service Address-State	Text	ID(2/2)	Not Used	Required	When an Accept Response is being sent, this element is required. See Comment on Line 15.
22	Geographic Location (Service Address)	NI Loop	N4	HDR	070	03	Postal Code	Customer Service Address-zipcode	Text	ID(3/15)	Not Used	Required	When an Enrollment Accept Response is being sent, this element is required. See Comment on Line 15.

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 Phone Number)	N1 Loop	PER	HDR	080	01	Contact Function Code	Code indicating that PER02 and Per03 contain contact information.	IC	ID 2/2	Not Used	Conditional	This segment will be sent by Central Hudson in an Enrollment Accept Response transaction to provide the telephone number for the customer enrolled by Central Hudson in an ESCO Referral Program. This segment may be sent by other utilities at their discretion.
24	Administrative Communications Contact (Customer Phone Number)	N1 Loop	PER	HDR	080	02	Communication Number Qualifier	Code indicating the information in PER03 is a telephone contact.	TE				
25	Administrative Communications Contact (Customer Phone Number)	N1 Loop	PER	HDR	080	03	Communication Number	Customer's phone number.	Phone number in the format xxxxyyzzzz or NOT AVAIL				Where there is no telephone number of record this element will contain the text 'NOT AVAIL'.
26	Name (Name for Mailing)	NI Loop	N1	HDR	040	01	Entity Identifier Code	Code identifying that REF02 contains the name associated with the mailing address on the account.	BT	ID(2/3)	Not Used	Conditional	When an enrollment request is accepted, the customer's mailing address must be returned on the response when the E/M ESCO is the bill presenter and the mailing address is different than the service address. The address information in the N3/N4 segments must be accompanied by "name" information in an N1 segment to comply with X12 requirements. If both service and mailing address are being returned in a Response transaction, two N1 segments must be sent. See examples.
27	Address Information (Mailing Address)	NI Loop	N1	HDR	040	02	Name	Name associated with the mailing address	Text or the literal "NAME"	AN(1/60)	Not Used	Required	When mailing address is being returned, this element is required. See Comment on Line 26.
28	Address Information (Mailing Address)	NI Loop	N3	HDR	060	01	Address Information	Mailing Address - Street	Text	AN(1/55)	Not Used	Conditional	When mailing address is being returned, the N3 segment is required. See Comment on Line 26.
29	Address Information (Mailing Address)	NI Loop	N3	HDR	060	02	Address Information	If N301 exceeds 55 characters, the overflow is sent in N302	Text	AN(1/55)	Not Used	Conditional	When mailing address is being returned, this element is only used for the overflow when the street address exceeds 55 characters. See Comment on Line 26.
30	Geographic Location (Mailing Address)	NI Loop	N4	HDR	070	01	City Name	Mailing Address - City	Text	AN(2/30)	Not Used	Conditional	When mailing address is being returned, the N4 segment is required. See Comment on Line 26.
31	Geographic Location (Mailing Address)	NI Loop	N4	HDR	070	02	State or Province Code	Mailing Address - State/Province	Text	ID(2/2)	Not Used	Required	When mailing address is being returned, this element is required. See Comment on Line 26.

Row No	NY DD Field Name	Loop ID	Segment	Level	Position	Ref Desc	Name	Description	Code	Data Type	Request	Response	Comments
32	Geographic Location (Mailing Address)	NI Loop	N4	HDR	070	03	Postal Code	Mailing Address-zipcode	Text	ID(3/15)	Not Used	Required	When mailing address is being returned, this element is required. See Comment on Line 26.
33	Geographic Location (Mailing Address)	NI Loop	N4	HDR	070	04	Country Code	Mailing Address-Country Code	Text	ID(2/3)	Not Used	Conditional	See Comment on Line 26. This element is not used for domestic mailing addresses.
34	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	This identifier by itself, or in conjunction with the BGN 02 identifier on a request must uniquely identify each LIN request item over time. The LIN01 identifier in the request must be returned in the LIN01 in the response to that request. See examples.
35	Item Identification	LIN Loop	LIN	DTL	010	02	Product/Service ID Qualifier	Indicates a service is being requested	SH	ID(2/2)	Required	Required	
36	Item Identification	LIN Loop	LIN	DTL	010	03	Product/Service ID	Commodity Type	EL or GAS	AN(1/48)	Required	Required	Only one commodity type per 814 transaction (either request or response).
37	Item Identification	LIN Loop	LIN	DTL	010	04	Product/Service ID Qualifier	Indicates a service is being requested	SH	ID(2/2)	Required	Required	
38	Item Identification	LIN Loop	LIN	DTL	010	05	Product/Service ID	Type of Request	CE=Enrollment GP=Gas Profile HU=Historic Usage	AN(1/48)	At least one on every request	At least one on every response	CE is the primary request; all others are secondary requests. If the primary request is rejected the secondary request will also be rejected. The request for history (EITHER HU OR GP) is the only secondary request. GP requests are only supported by Keyspan and Con Edison utilities that provide gas profiles.
39	Action or Status Indicator	LIN Loop	ASI	DTL	020	01	Action Code	Indicator of the action or status of the LIN request	7=Request AC=Acknowledge U=Reject WQ=Accept	ID(1/2)	Required	Required	ASI01 must be "7" for all requests. AC, U, WQ codes are used for responses. A REF1P (see line 65) may be used to provide additional clarification when "AC" is used on the response.
40	Action or Status Indicator	LIN Loop	ASI	DTL	020	02	Maintenance Type Code	Used to differentiate between inquiries and other actions.	021=CE 029=GP or HU	ID(3/3)	Required	Required	
41	Reference Identification (Reject Response Reasons)	LIN Loop	REF	DTL	030	01	Reference Identification Qualifier	Code indicating that REF02 contains a reason for rejecting the LIN request.	7G	ID(2/3)	Not Used	Conditional	This segment is required on reject responses. Not all reject codes pertain to all LIN requests. The response may contain more than one reject reason per LIN request.
42	Reference Identification (Reject Response Reasons)	LIN Loop	REF	DTL	030	02	Reference Identification		refer to codes listed in 814e IG	AN(1/30)	Not Used	Required	When a REF*7G is being sent this element is required. A13 should only be used infrequently, i.e. when none of the other codes are sufficient.

Row No	NY DD Field Name	Loop ID	Segment	Level	Position	Ref Desc	Name	Description	Code	Data Type	Request	Response	Comments
43	Reference Identification (Reject Response Reasons)	LIN Loop	REF	DTL	030	03	Description	Used to qualify an A13 or other codes sent in REF02	text	AN(1/80)	Not Used	Conditional	When REF02=A13, this element must be sent to clarify the reject reason. REF03 may also be used to provide further clarification of the reject reason when REF02 contains other codes.
44	Reference Identification (Response Information or Warnings)	LIN Loop	REF	DTL	030	01	Reference Identification Qualifier	Code indicating that REF02 contains information associated with an accepted LIN request.	1P	ID(2/3)	Not Used	Optional	This segment may be sent to assist in clarifying an Accept Response.
45	Reference Identification (Response Information or Warnings)	LIN Loop	REF	DTL	030	02	Reference Identification		A13, API, FRB, 101, 102	AN(1/30)	Not Used	Optional	
46	Reference Identification (Response Information or Warnings)	LIN Loop	REF	DTL	030	03	Description	Used to qualify an A13 in REF02	text	AN(1/80)	Not Used	Conditional	This element must be sent when REF02 in this segment = A13 or API to clarify the details of the accept response. When REF02 contains FRB, 101 or 102, a REF03 may be sent to provide further clarification.
47	Reference Identification (E/MESCO Customer Account Number)	LIN Loop	REF	DTL	030	01	Reference Identification Qualifier	Code indicating that the REF02 element contains the E/MESCO assigned account number for the customer	11	ID(2/3)	Conditional	Optional	Required on a request for enrollment when the Utility will be the bill presenter. May be returned on an Accept Response at the discretion of the parties.
48	Reference Identification (E/MESCO Customer Account Number)	LIN Loop	REF	DTL	030	02	Reference Identification	Customer's account number	Account #	AN(1/30)	Required	Optional	When a REF*11 is sent, this element is required. See Comment on Line 47.
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 account number for the customer	12	ID(2/3)	Required	Required	The customer's utility number is used for validation and must be present in all transactions.
50	Reference Identification (Utility Account Number)	LIN Loop	REF	DTL	030	02	Reference Identification	Customer's account number	Account #	AN(1/30)	Required	Required	When a REF*12 is sent, this element is required.

Row No	NY DD Field Name	Loop ID	Segment	Level	Position	Ref Desc	Name	Description	Code	Data Type	Request	Response	Comments
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, <u>O&R utility that elects this business practice in its Utility Maintained EDI Guide</u> when the <u>E/MESCO</u> is enrolling only 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 <u>O&R electing utility's</u> Response transaction will contain this element if present in the Request transaction.

Row No	NY DD Field Name	Loop ID	Segment	Level	Position	Ref Desc	Name	Description	Code	Data Type	Request	Response	Comments
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)	Not Used	Conditional	Required if Utility customer account number has changed within the last 90 days
53	Reference Identification (Previous Utility Account Number)	LIN Loop	REF	DTL	030	02	Reference Identification	Customer's old account number	Account #	AN(1/30)	Not Used	Required	When a REF*45 is returned, this element is required. See comment on Line 52.
54	Reference Identification (Utility Account Number for ESCO/Markete r)	LIN Loop	REF	DTL	030	01	Reference Identification Qualifier	Code indicating that REF02 contains a Utility assigned account number for the ESCO/Marketer.	AJ	ID(2/3)	Conditional	Conditional	This segment may be provided on requests and responses by mutual agreement of the trading partners.
55	Reference Identification (Utility Account Number for ESCO/Markete r)	LIN Loop	REF	DTL	030	02	Reference Identification	Utility account number for the ESCO/Marketer	Account #	AN(1/30)	Required	Required	When 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)	Not Used	Conditional	This segment must be sent in an Enrollment Accept Response.
57	Reference Identification (Meter Cycle Code)	LIN Loop	REF	DTL	030	02	Reference Identification		Meter cycle code	AN(1/30)	Not Used	Required	When a REF*65 is sent, this element is required. See comment on Line 56.
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, QTR,	AN(1/80)	Not Used	Conditional	When a REF*65 is sent, this element may be sent if the data in REF02 is not sufficiently descriptive.
59	Reference	LIN	REF	DTL	030	01	Reference	Code indicating that	BF	ID(2/3)	Not Used	Conditional	This segment must be sent in an

	Identification (Bill Cycle Code)	Loop					Identification Qualifier	the data contained in REF02/03 describes the bill cycle for the customer being enrolled					Enrollment Accept Response.
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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
60	Reference Identification (Bill Cycle Code)	LIN Loop	REF	DTL	030	02	Reference Identification	Number indicating billing cycle.	cycle code	AN(1/30)	Not Used	Required	When a REF*BF is sent, this element is required. See comment on Line 59.
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)	Not Used	Conditional	When a REF*BF is sent, this element may be sent if the data in REF02 is not sufficiently descriptive.

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)	Required	Required	This segment is required in Enrollment Request and Enrollment Accept Response transactions to request or confirm the customer's customer's bill option.
63	Reference Identification (Bill Presenter)	LIN Loop	REF	DTL	030	02	Reference Identification		DUAL, ESP, or LDC	AN(1/30)	Required	Required	When a REF*BLT segment is present, this element is required. ESP should be used when the Single Retailer Model is in effect (NFG) or there is a Billing Agency relationship between the utility and the ESCO. See Comment on Line 62.
64	Reference Identification (Bill Presenter)	LIN Loop	REF	DTL	030	03	Description	If REF02=ESP and NY Billing Agency Model will be used.	text = AGENT	AN(1/80)	Conditional	Not Used	When a REF*BLT segment is sent, this element is required when the E/MESCO is the bill presenter and will use the NY Billing Agency Model (designated ESCOs in Con Edison's service territory only).
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)	Required	Required	Required in Enrollment Requests and Accept Responses to identify which entity will calculate billed charges. If REF02=LDC in a Request transaction, the E/MESCO must send either an AMT segment in the LIN loop (AMT*RJ and/or AMT*FW) or a REF*RB in the NM1 Loop or the enrollment request will be rejected.
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	Required	When a REF*PC is being sent, this element is required (See Comment on Line 65). If the bill option indicated in a Request transaction, via the REF*BLT and REF*PC segments is not offered in the service territory of the recipient utility the transaction will be rejected by every utility except Keyspan . Keyspan those that elect to will accept the enrollment request but will send a REF 1P indicating "incorrect billing option requested".
67	Reference Identification (Current Budget Billing Status)	LIN Loop	REF	DTL	030	01	Reference Identification Qualifier	Code indicating that REF02 will contain data on customer's budget billing status with the E/MESCO (req) and the Utility (resp).	NR	ID(2/3)	Conditional	Conditional	If present on the Request, the customer will be on budget billing with the E/MESCO . If present on the Enrollment Accept Response, the customer is currently on budget billing with the Utility .
Row No	NY-DD-Field Name	Loop ID	Segment	Level	Position	Ref Desc	Name	Description	Code	Data Type	Request	Response	Comments
68	Reference Identification (Current Budget Billing Status)	LIN Loop	REF	DTL	030	02	Reference Identification	The enrolling customer is (resp) or will be (req) on budget billing.	Y	AN(1/30)	Required	Required	When a REF*NR is being sent, this element is required. See Comment on Line 67.

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 will indicate whether late fees will/will not be assessed by the utility on E/MESCO past due amounts for account being enrolled (Pay-As-You-Get-Paid Model only).	LF	ID(2/3)	Conditional	Conditional	This segment is required in Request transactions sent to NFG when the customers customer's bill option is Utility Rate Ready consolidated billing and the payment method is Pay-As-You-Get-Paid. NFGA utility may choose to return this segment in an Enrollment Accept 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 for account being enrolled.	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 that REF02 contains data on the load to be supplied by the E/MESCO for partial requirements customers.	PGC	ID(2/3)	Conditional	Conditional	This segment is required for RG&E and NYSEGby some utilities when the customer being enrolled is a partial requirements customer, i.e. a portion of the customers load is eligible for special pricing under an Economic Incentive program such as Power for Jobs. If this segment is applicable to the customer that is being enrolled and is NOT sent, the enrollment request will be rejected.
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	Required	When a REF*PGC is being sent, this element is required. See Comment on Line 71.
73	Reference Identification (Customer on Life Support)	LIN Loop	REF	DTL	030	01	Reference Identification Qualifier	Code indicating that REF02 contains data on customers need for life support equipment.	SU	ID(2/3)	Conditional	Optional	Must be present in Request transactions for the -Single Retailer Model (NFG) or the Enrollment may be rejected. May be returned in an Enrollment Accept Response at the option of the Utility.
74	Reference Identification (Customer on Life Support)	LIN Loop	REF	DTL	030	02	Reference Identification	Indicates whether life support equipment is necessary or is being investigated.	I, N, or Y	AN(1/30)	Required	Optional	When a REF*SU is being sent, this element is required. See Comment on Line 73.

Row No	NY DD Field Name	Loop ID	Segment	Level	Position	Ref Desc	Name	Description	Code	Data Type	Request	Response	Comments
75	Reference Identification (Gas Pool ID)	LIN Loop	REF	DTL	030	01	Reference Identification Qualifier	Code indicating that REF02 identifies the id for the gas pool for the customer being enrolled.	VI	ID(2/3)	Conditional	Conditional	This segment must be sent when the Enrollment Request is for Gas service and the <u>E/MESCO</u> has been assigned more than one Gas Pool ID for their customers. Must be returned on the Response if sent on the Request. If this segment is not present in Requests sent to <u>National Fuel, RG&E, NYSEG and Consolidated Edison utilities that require Gas Pool IDs</u> , the enrollment will be rejected.
76	<u>Reference Identification (Gas Pool ID)</u>	<u>LIN Loop</u>	<u>REF</u>	<u>DTL</u>	<u>030</u>	<u>02</u>	<u>Reference Identification</u>	<u>The pool id for the sub-grouping of customers that the enrolling customer will be assigned to.</u>	<u>ID#</u>	<u>AN(1/30)</u>	<u>Required</u>	<u>Required</u>	<u>When REF*VI is sent, this element is required. See Comment on Line 75.</u>

Row No	NY-DD-Field Name	Loop ID	Segment	Level	Position	Ref Desc	Name	Description	Code	Data-Type	Request	Response	Comments
76	Reference Identification (Gas-Pool-ID)	LIN Loop	REF	DTL	030	02	Reference Identification	The pool id for the sub-grouping of customers that the enrolling customer will be assigned to.	ID#	AN(1/30)	Required	Required	When REF*VI is sent, this element is required. See Comment on Line 75.
77	Reference Identification (Gas Capacity Assignment/Obligation)	LIN Loop	REF	DTL	030	01	Reference Identification Qualifier	Code indicating that REF02 contains data on pipeline capacity	GC	ID(2/3)	Conditional	Conditional	Gas Enrollments Only. Use this segment to convey intended or obligated pipeline capacity requirements necessary to meet the needs of the end use customer. Not used when commodity is electric. Required on the Request when supported by the Utility. Will be returned in the Enrollment Accept Response when received on the Request and supported by the Utility.
78	Reference Identification (Gas Capacity Assignment/Obligation)	LIN Loop	REF	DTL	030	02	Reference Identification	E/MESCO will, or must, take assignment of utility's pipeline capacity for the customer being enrolled (Y) or E/MESCO will arrange for pipeline capacity (N)	Y or N	AN(1/30)	Required	Required	When REF*GC is being sent, this element is required. See Comment on Line 77.
79	Reference Identification (Gas Supply Service Options)	LIN Loop	REF	DTL	030	01	Reference Identification Qualifier	Code indicating that REF02 designates the balancing or storage option for the customer being enrolled.	GS	ID(2/3)	Conditional	Required	Gas Enrollments Only. Required on the Request for Orange & Rockland and National Grid utilities that indicate a requirement in their Utility Maintained EDI Guides . If not present, the enrollment will be rejected. May be sent in other service territories at the discretion of the utility. Will be returned in an Enrollment Accept Response if sent on the Request and supported by the Utility.
80	Reference Identification (Gas Supply Service Options)	LIN Loop	REF	DTL	030	02	Reference Identification	Balancing or storage option for gas delivery	B or S	AN(1/30)	Required	Required	When REF*GS is being sent, this element is required. See Comment on Line 79.
81	Reference Identification (Gas Supply Service Options)	LIN Loop	REF	DTL	030	03	Description	Used to qualify the Balancing service option	D or M	AN(1/80)	Conditional	Conditional	When REF*GS is being sent AND REF02="B", this element must be sent on Requests to National Grid to indicate the balancing period (Daily or Monthly).

82	NY-DD-Field Name Reference Identification (Human-Needs Customer)	LIN Loop ID	REF Segment	DTL Level	030 Position	01 Ref Desc	Reference Identification Qualifier Name	Code used to specify that the value in REF02 will indicate whether this customer is a human needs customer.	ALC Code	ID(2/3) Data Type	Conditional Request	Not Used Response	This segment should be present in Request transactions sent to National Grid when the commodity is GAS and the non-residential customer being enrolled meets the definition of a human needs customer as described
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								Description					in-Grid's tariffs. This segment may be provided in Enrollment Requests sent to other utilities based on the mutual agreement of the parties.
Row No	Reference Identification (Human Needs Customer) NY DD Field Name	LIN Loop ID	Segment REF	Level DTL	Position 030	Ref Desc 01	Name Reference Identification Qualifier	Description Code used to specify that the value in REF02 will indicate whether this customer is a human needs customer.	Code ALC	Data Type ID(2/3)	Request Conditional	Response Not Used	Comments This segment should be present in Request transactions sent to National Grid when the commodity is GAS and the non-residential customer being enrolled meets the definition of a human needs customer as described in Grid's tariffs. This segment may be provided in Enrollment Requests sent to other utilities based on the mutual agreement of the parties.
83	Reference Identification (Human Needs Customer)	LIN Loop	REF	DTL	030	02	Reference Identification	This customer is a human needs customer (Y) or this customer is NOT a human needs customer (N).	Y or N	AN(1/30)	Required	Not Used	When REF*ALC is sent in the Enrollment Request, this element is required. See Comment on Line 82. Please see the segment notes in the IG for a more detailed definition of human needs customers.
84	Reference Identification (ISO Location Based Marginal Pricing Zones)	LIN Loop	REF	DTL	030	01	Reference Identification Qualifier	Code indicating that REF02 will identify the LBMP zone in which the customer being enrolled resides.	SPL	ID(2/3)	Not Used	Conditional	Must be present on an Accept Response pertaining to electric enrollments.
85	Reference Identification (ISO Location Based Marginal Pricing Zones)	LIN Loop	REF	DTL	030	02	Reference Identification		A thru K, M, O, & P	AN(1/30)	Not Used	Required	When a REF*SPL is being sent, this element is required. See comment on Line 84.
86	Reference Identification (Portion-Taxed Residential) Account Settlement Indicator	LIN Loop	REF	DTL	030	01	Reference Identification Qualifier	Code indicating portion of a non-residential that REF02 contains the Account Settlement Indicator for the account that is taxed at a residential rate requested.	RPTDT	ID(2/3)	Conditional Not Used	Optional Conditional	This segment must be sent on Requests to National Grid and Orange & Rockland when the bill option is Utility Rate Ready consolidated billing, the account being enrolled is a non-residential account and a portion of the account is taxed at a residential rate. This segment may be present in the Enrollment Accept Response at the option of the Utility. Required when the service being requested is Electric.
87	Reference Identification (Portion-Taxed Residential) Account Settlement Indicator	LIN Loop	REF	DTL	030	02	Reference Identification	Code indicating how the usage is settled with NYISO for the account requested.	29 thru 27C=Class Shape H=Hourly M=Mixed	AN(1/30)	Required Not Used	Required	When a REF*RPTDT is being sent, this element is required.
88	Date/Time Reference (Assigned Service Start)	LIN Loop	DTMREF	DTL	040030	01	Date/Time Reference Identification Qualifier	Code indicating that REF02 contains the effective date NYPA/ReCharge	150YP	ID(3/3)	Not Used	Conditional	The Utility will provide an effective start date for an enrollment in an Enrollment Accept Response. This date is dependent upon several

	<u>Date)Identification (NYPA/ReCharge New York)</u>							<u>New York Indicator for an enrollment-the account requested.</u>					<p>factors: the date the ESCOs enrollment request was received by the Utility(if applicable), the date the customer contacted the Utility to participate in an ESCO Referral Program (if applicable), the date new Delivery Service was established for the customer (if applicable) and the customer's meter reading cycle date. Required when the service being requested is Electric and the information is available in the utility's system.</p>
89	Date/Time Reference (Assigned Service Start Date)	LIN Loop	DTM	DTL	040	02	Date	-	CCYYMMDD	DT(8/8)	Not Used	Required	<p>When a DTM*150 is being sent, this element is required.</p>

Row No	NY DD Field Name	Loop ID	Segment	Level	Position	Ref Desc	Name	Description	Code	Data Type	Request	Response	Comments
89	Reference Identification (NYPA/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)	Not Used	Required	When REF*YP is being sent, this element is required.
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)	Not Used	Conditional	Required when the service being requested is for a non-residential account.
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)	Not Used	Required	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)	Not Used	Conditional	Required when the information is available in the utility's system.
93	Reference Identification (Industrial Classification Code)	LIN Loop	REF	DTL	030	02	Reference Identification	The Industrial Classification Code for the account.		AN(1/30)	Not Used	Required	When REF*IJ is being sent, this element is required.
94	Reference Identification (Industrial Classification Code)	LIN Loop	REF	DTL	030	03	Description	Code indicating whether REF02 contains the SIC or the NAISC Code.	NAISC=REF 02 contains NAISC Code SIC=REF02 contains SIC Code	AN(1/80)	Not Used	Required	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)	Not Used	Required	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
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	When REF*TX is being sent, this element is required.
97	Reference Identification (Portion Taxed Residential)	LIN Loop	REF	DTL	030	01	Reference Identification Qualifier	Code indicating portion of a non-residential account that is taxed at a residential rate.	RP	ID(2/3)	Conditional	Optional	This segment must be sent on Requests to utilities that indicate a requirement in their Utility Maintained EDI Guides when the bill option is Utility Rate Ready consolidated billing, the account being enrolled is a non-residential account and a portion of the account is taxed at a residential rate. This segment may be present in the Enrollment Accept Response at the option of the Utility.
98	Reference Identification (Portion Taxed Residential)	LIN Loop	REF	DTL	030	02	Reference Identification	-	20 thru 27	AN(1/30)	Required	Required	When a REF*RP is being sent, this element is required.
99	Date/Time Reference (Assigned Service Start Date)	LIN Loop	DTM	DTL	040	01	Date/Time Qualifier	Code indicating that REF02 contains the effective date for an enrollment.	150	ID(3/3)	Not Used	Conditional	The Utility will provide an effective start date for an enrollment in an Enrollment Accept Response. This date is dependent upon several factors: the date the ESCOs enrollment request was received by the Utility(if applicable), the date the customer contacted the Utility to participate in an ESCO Referral Program (if applicable), the date new Delivery Service was established for the customer (if applicable) and the customer's meter reading cycle date.
100	Date/Time Reference (Assigned Service Start Date)	LIN Loop	DTM	DTL	040	02	Date	-	CCYYMMDD	DT(8/8)	Not Used	Required	When a DTM*150 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
9910 1	Monetary Amount (E/MESCO 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/MESCO .	B5	ID(1/3)	Conditional	Optional	This segment must be present in Request transactions sent to NFG when REF*BLT=LDC, REF*PC=LDC and REF*NR=Y to provide the monthly budget installment amount the customer is expected to pay under E/MESCO negotiated budget plan.
9410 2	Monetary Amount (E/MESCO 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 aan AMT*B5 segment is sent this element is required.
9210 3	Monetary Amount (E/MESCO Budget Plan Balance Amount)	LIN Loop	AMT	DTL	060	01	Amount Qualifier Code	Code indicating that AMT02 contains the budget plan balance at the time of the current enrollment for the budget plan negotiated between the ESCO and customer.	BD	ID(1/3)	Conditional	Optional	This segment must be present in Request transactions sent to NFG when REF*BLT=LDC, REF*PC=LDC, REF*NR=Y to provide a budget plan balance when the customer being enrolled has a budget plan balance for a period prior to the current enrollment
9310 4	Monetary Amount (E/MESCO Budget Plan Balance Amount)	LIN Loop	AMT	DTL	060	02	Monetary Amount	Budget Plan Balance Amount	0.00 or -0.00	R(1/18)	Required	Required	When an AMT*BD segment is sent this element is required.
9410 5	Monetary Amount (Tax Exemption Percent)	LIN Loop	AMT	DTL	060	01	Amount Qualifier Code	Code indicating that AMT02 indicates that portion of the E/M-sESCO's service that is tax exempt for the account being enrolled.	DP	ID(1/3)	Conditional	Not Used	This segment must be sent in an Enrollment Request when the billing option is Utility Rate Ready consolidated billing and some or all of the ESCO/MarketersESCOs service is tax exempt.
9510 6	Monetary Amount (Tax Exemption Percent)	LIN Loop	AMT	DTL	060	02	Monetary Amount	1=100%. Numbers less than one indicate percent.	0.0000	R(1/18)	Required	Not Used	When an AMT*DP segment is being sent, this element is required. See Comment on Line 94105 .

Row No	NY-DD-Field Name	Loop ID	Segment	Level	Position	Ref Desc	Name	Description	Code	Data-Type	Request	Response	Comments
96	Monetary Amount (Commodity Price)	LIN Loop	AMT	DTL	060	01	Amount Qualifier-Code	Code indicating that AMT02 contains the E/M-commodity-price for the account being enrolled when the E/M will charge a fixed rate per unit of commodity.	RJ	ID(1/3)	Conditional	Conditional	Must be present in an Enrollment Request when the bill option is Utility Rate-Ready-consolidated-billing and the E/M will charge a fixed price per unit of commodity. Will be returned in an Accept-Response if present on the Request. Rate codes cannot be sent in this segment (see Line 121 below). When an Enrollment Accept Response transaction is initiated by the utility but there is no corresponding Request transaction, this segment may contain 00.0 or a dummy number assigned by the utility (in these instances a Change transaction may be sent by the E/M to provide the actual commodity price, where applicable).
97	Monetary Amount (Commodity Price)	LIN Loop	AMT	DTL	060	02	Monetary Amount	-	0.00	R(1/18)	Required	Required	When an AMT*RJ segment is being sent, this element is required. See Comments on Lines 96, 98 and 121 for the options available for sending price information to the utility bill calculator.
98	Monetary Amount (E/M Fixed Charge)	LIN Loop	AMT	DTL	060	01	Amount Qualifier-Code	Code indicating that AMT02 contains the E/Ms fixed charge per billing period.	FW	ID(1/3)	Conditional	Conditional	Must be present in an Enrollment Request when the bill option is Utility rate-ready-consolidated-billing and the E/M will assess their customers a fixed charge per billing period in addition to, or in lieu of, a price per unit of commodity. Will be returned in an Accept-Response if present on the Request. Rate codes cannot be sent in this segment (see Line 121 below). When an Enrollment Accept Response transaction is initiated by the utility but there is no corresponding Request transaction, this segment may contain 00.0 or a dummy number assigned by the utility (in these instances a Change transaction may be sent by the E/M to provide the actual commodity price, where applicable).
99	Monetary Amount (E/M Fixed Charge)	LIN Loop	AMT	DTL	060	02	Monetary Amount	-	0.00	R(1/18)	Required	Required	When an AMT*FW segment is being sent, this element is required. See Comments on Line 98.

Row No	NY DD Field Name	Loop ID	Segment	Level	Position	Ref Desc	Name	Description	Code	Data Type	Request	Response	Comments
4001 <u>07</u>	Monetary Amount (Customer's Tax Rate for E/M Charges - 1 Commodity Price)	LIN Loop	AMT	DTL	060	01	Amount Qualifier Code	Code indicating that AMT02 contains the tax rate that should be used by a Rate Ready utility to calculate ESCO commodity price for the taxes applicable to either all E/M charges or the portion of the E/M account that is taxed at a residential rate. See REF*RP segment above being enrolled when the ESCO will charge a fixed rate per unit of commodity.	9MRJ	ID-1/3	Conditional	Conditional	This segment is sent by an E/M to provide the tax rate used to calculate taxes on the E/M charges, at the discretion of the utility, when the customers <u>Must be present in an Enrollment Request when the bill</u> option is Utility Rate Ready consolidated billing. When an AMT*DP segment is present (Tax Exemption Percent) and the AMT02 element in that segment = 1, then the AMT02 element ESCO will charge a fixed price per unit of commodity. Will be returned in the 9M segment should contain 0.00. When a REF*RP segment is present (Portion Taxed Residential), then the AMT02 an Accept Response if present on the Request. Rate codes cannot be sent in this segment should contain the tax rate applicable to the residential portion of the E/M account. If present in a (see Line 132 below). When an Enrollment Accept Response transaction is initiated by the utility but there is no corresponding Request transaction, this segment may be echoed back in the Response transaction, at the discretion of contain 00.0 or a dummy number assigned by the utility. (in these instances a Change transaction may be sent by the ESCO to provide the actual commodity price, where applicable).
4041 <u>08</u>	Monetary Amount (Customer's Tax Rate for E/M Charges - 1 Commodity Price)	LIN Loop	AMT	DTL	060	02	Monetary Amount	-	0.00	R(1/18)	Required	Required	When an AMT*9MRJ segment is being sent, this element is required. See Comments on Line 400 Lines 107, 109 and 132 for the options available for sending price information to the utility bill calculator.
4021 <u>09</u>	Monetary Amount (Customer's Tax Rate for E/M Charges - 2 ESCO Fixed Charge)	LIN Loop	AMT	DTL	060	01	Amount Qualifier Code	Code indicating that AMT02 contains the tax rate that should be used by a Rate Ready utility to calculate the taxes applicable to the portion of the E/M account that is taxed at a commercial rate. See REF*RP segment above ESCOs fixed charge per billing	9NEW	ID-1/3	Conditional	Conditional	This segment is sent, at the discretion of the utility, by an E/M to provide the tax rate used to calculate taxes on the commercial portion of the E/M account, when the customers <u>Must be present in an Enrollment Request when the bill</u> option is Utility Rate Ready rate ready consolidated billing and the ESCO will assess their customers a REF*RP segment is present in the transaction. If present fixed charge per billing period in addition to, or in lieu of, a price per unit of commodity. Will be returned in

								period.					an Accept Response if present on the Request. Rate codes cannot be sent in this segment (see Line 132 below). When an Enrollment Accept Response transaction is initiated by the utility but there is no corresponding Request transaction, this segment may be echoed back in the Response transaction, at the discretion of contain 00.0 or a dummy number assigned by the utility. (in these instances a Change transaction may be sent by the ESCO to provide the actual commodity price, where applicable).
4031 10	Monetary Amount (Customer's Tax Rate for E/M Charges - 2ESCO Fixed Charge)	LIN Loop	AMT	DTL	060	02	Monetary Amount		0.00	R(1/18)	Required	Required	When an AMT*9NFW segment is being sent, this element is required. See Comments on Line 402109.
104	Monetary Amount (Electric Capacity Assignment)	LIN Loop	AMT	DTL	060	01	Amount Qualifier Code	Code indicating that AMT02 contains the peak load contribution for the electric customer being enrolled.	KZ	ID(1/3)	Not Used	Conditional	Will be returned on an Accept Response for electric enrollment requests sent to Orange & Rockland.
105	Monetary Amount (Electric Capacity Assignment)	LIN Loop	AMT	DTL	060	02	Monetary Amount	-	0.0000	R(1/18)	Not Used	Required	When an AMT*KZ segment is being sent, this element is required. See Comments on Line 104.

Row No	NY DD Field Name	Loop ID	Segment	Level	Position	Ref Desc	Name	Description	Code	Data Type	Request	Response	Comments
4061 11	Monetary Amount (Customer's Tax Rate for ESCO Charges - 1) Metered or Unmetered Service Point	NM4-LIN Loop	NM4-AMT	DTL	080060	01	Entity Identifier Amount Qualifier Code	Code indicating that this NM4-loop contains delivery point or meter related information. Code indicating that AMT02 contains the tax rate that should be used by a Rate Ready utility to calculate the taxes applicable to either all ESCO charges or the portion of the ESCO account that is taxed at a residential rate. See REF*RP segment above.	MQ9M	ID(2,1/3)	Conditional	Conditional	An NM4-Loop is required in a Request transaction when the bill option is Utility Rate Ready consolidated billing and the E/M will communicate pricing information by sending a rate code rather than using the REF*RJ or REF*FW segments in the header. This segment is sent by an ESCO to provide the tax rate used to calculate taxes on the ESCO charges, at the discretion of the utility, when the customer's bill option is Utility Rate Ready consolidated billing. When an AMT*DP segment is present (Tax Exemption Percent) and the AMT02 element in that segment =1, then the AMT02 element in the 9M segment should contain 0.00. When a REF*RP segment is present (Portion Taxed Residential), then the AMT02 in this segment should contain the tax rate applicable to the residential portion of the ESCO account. If present in a Request transaction, this segment may be echoed back in the Response transaction, at the discretion of the utility. -Where there are multiple service points on an account but the same rate code will not apply to each service point, then a separate NM4-Loop must be sent for each service point. When the same rate code applies to all service points on an account a single NM4-Loop may be sent where the NM409 would be populated with, for example, 'ALL'. In a Request transaction, the NM4-Loop may contain only the NM4-MQ and REF-RB segments. In an Enrollment Accept-Response transaction, additional segments may be sent to describe in more detail the type of consumption for each service point.
4071 12	Monetary Amount (Customer's Tax Rate for ESCO Charges - 1) Metered or Unmetered Service Points	NM4-LIN Loop	NM4-AMT	DTL	080060	02	Entity Type Qualifier Monetary Amount	Required by X12	30,00	ID(1/4,18)	Required	Required	When an NM4-MQ-AMT*9M segment is being sent, this element is required. See Comments on Line 111.
4081 13	Monetary Amount	NM4-LIN	NM4-AMT	DTL	080060	0801	Identification Code Amount	Use 32 to indicate that NM409 contains	32 or 939N	ID(1/2)3	Required Conditional	Required Conditional	When an NM4-MQ segment is being sent, this element is required. This

	(Customer's Tax Rate for ESCO Charges - 2) Metered or Unmetered Service Points	Loop					Qualifier Code	a meter number; Use 93 to indicate that NM109 is not a meter number. Code indicating that AMT02 contains the tax rate that should be used by a Rate Ready utility to calculate the taxes applicable to the portion of the ESCO account that is taxed at a commercial rate. See REF*RP segment above.			al		segment is sent at the discretion of the utility, by an ESCO to provide the tax rate used to calculate taxes on the commercial portion of the ESCO account, when the customer's bill option is Utility Rate Ready consolidated billing and a REF*RP segment is present in the transaction. If present in a Request transaction, this segment may be echoed back in the Response transaction, at the discretion of the utility.
109114	Monetary Amount (Customer's Tax Rate for ESCO Charges - 2) Metered or Unmetered Service Points	NM1LIN Loop	NM1AMT	DTL	080060	0902	Identification Code Monetary Amount		meter # or text ("ALL", or "UNMETERED") 0.00	AN(2/80R11/18)	Required	Required	When an NM1-MQAMT*9N segment is being sent, this element is required. When NM108 = 32, NM109 must contain a meter number. When NM108 = 93, NM109 must contain either the literal "UNMETERED" for all unmetered service on the account OR the literal "ALL" for all service delivery points on the account. (See the Comments on Line 64 for the treatment of un-metered service on an electric account in Orange & Rockland's service territory.) 113.
110115	Reference Identification (Utility Rate Service Class) Monetary Amount (ICAP)	NM1LIN Loop	REFAMT	DTL	130060	01	Reference Identification Amount Qualifier Code	Code indicating that REF02AMT02 contains the utility rate class ICAP Tag for the electric customer being enrolled.	NHKZ	ID(21/3)	Not Used	Conditional	This segment must be present in an Enrollment Accept Response. For NFG the payment processing option for utility consolidated billing may be either POR or Pay-As-You-Get-Paid and may be determined by reference to the service class data provided in an Accept Enrollment Response transaction. Will be returned on an Accept Response for electric enrollment requests when available.
116	Monetary Amount (ICAP)	LIN Loop	AMT	DTL	060	02	Monetary Amount	-	0.0000	R(1/18)	Not Used	Required	When an AMT*KZ segment is being sent, this element is required. See Comments on Line 115.
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 C=Yes	ID(1/1)	Optional	Not used	A general indicator not tied to any specific program.
Row No	NY DD Field Name	Loop ID	Segment	Level	Position	Ref Desc	Name	Description	Code	Data Type	Request	Response	Comments
111	Reference Identification (Utility Rate Service Class)	NM1 Loop	REF	DTL	130	02	Reference Identification	-	Text	AN(1/30)	Not Used	Required	When a REF*NH segment is being sent, this element is required. See Comment on Line 110.
112	Reference Identification (Rate Sub Class)	NM1 Loop	REF	DTL	130	04	Reference Identification Qualifier	Code indicating that REF02 contains the utility rate subclass for the customer	PR	ID(2/3)	Not Used	Conditional	This segment must be present in an Enrollment Accept Response when a rate subclass exists for the account being enrolled.

113	Reference Identification (Rate-Sub Class)	NM1-Loop	REF	DTL	130	02	Reference Identification	- being-enrolled-	Text	AN(1/30)	Not-Used	Required	When a REF*PR segment is being sent, this element is required. See Comment on Line 112.
1141 18	Metered or Unmetered Service PointReference Identification (Utility Load Profile-Group Code)	NM1 Loop	REFNM1	DTL	130080	01	Reference Identification QualifierEntity Identifier Code	Code indicating that REF02this NM1 loop contains the a utility assigned load profile code for the account being-enrolled. delivery point or meter related information.	LOMQ	ID(2/3)	Not UsedConditional	Conditional	An NM1 Loop is required in a Request transaction when the bill option is Utility Rate Ready consolidated billing and the ESCO will communicate pricing information by sending a rate code rather than using the REF*RJ or REF*FW segments in the header. Where there are multiple service points on an account but the same rate code will not apply to each service point, then a separate NM1 Loop must be sent for each service point. When the same rate code applies to all service points on an account a single NM1 Loop may be sent where the NM109 would be populated with, for example, 'ALL'. In a Request transaction, the NM1 Loop may contain only the NM1~MQ and REF~RB segments. In an Enrollment Accept Response transaction, additional segments may be sent to describe in more detail the type of consumption for each service point. This segment must be present in an Enrollment Accept Response when the service is Electric. Load profile codes can be used to look up the load profile associated with the account being-enrolled from data posted on the Utility's web site.
119	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~MQ segment is being sent, this element is required.
1151 20	Metered or Unmetered Service PointsReference Identification (Utility Load Profile-Group Code)	NM1 Loop	REFNM1	DTL	130080	0208	Reference Identification Code Qualifier	-Use 32 to indicate that NM109 contains a meter number; Use 93 to indicate that NM109 is not a meter number.	Text32 or 93	ANID(1/30 2)	Not UsedRequired	Required	When a REF*LOan NM1~MQ segment is being sent, this element is required. See Comment on Line 114.
1161 21	Metered or Unmetered Service PointsReference Identification (Measurement Type and Reporting	NM1 Loop	REFNM1	DTL	130080	0109	Reference Identification QualifierCode	Code indicating that REF02 will identify the type of consumption measured by a meter or unmetered service points and the interval between measurements.	MTmeter # or text ("ALL", or "UNMETERED")	IDAN(2/38 0)	Not UsedRequired	Conditional Required	This segment must be present in an Enrollment Accept Response transaction to describe the measurement units applicable to each service point on the account being enrolled.When an NM1~MQ segment is being sent, this element is required. When NM108 = 32, NM109 must contain a meter number. When

	Period)												NM108 = 93. NM109 must contain either the literal "UNMETERED" for all unmetered service on the account OR the literal "ALL" for all service delivery points on the account. (See the Comments on Line 51 for the treatment of un-metered service on an electric account.)
1171 22	Reference Identification (Measurement Type and Reporting Period Utility Rate Service Class)	NM1 Loop	REF	DTL	130	0201	Reference Identification Qualifier	Code indicating that REF02 contains the utility rate class for the customer being enrolled.	refer-to-codes listed in 814e IGNH	AN(1/30)ID(2/3)	Not Used	Required Conditional	When a REF*MT segment is being sent, this element is required. Use "COMBO" when a meter is capable of measuring more than one type of consumption OR consumption will be reported for more than one interval in a reporting period, such as a time-of-use meter. This segment must be present in an Enrollment Accept Response. A The payment processing option for utility consolidated billing may be either POR or Pay-As-You-Get Paid and may be determined by the utility through reference to the service class data provided in an Accept Enrollment Response transaction. For all other meters, this element should contain a code in the first two fields that indicates the type of consumption and a second code in the last three fields that indicates the intervals that are measured. There should be no more than 5 characters in this element. When "COMBO" is sent in the REF*MT segment, the type of measurement and/or reporting intervals for a period for that service point must be described in a REF*TU segment.
Row No	NY DD Field Name	Loop ID	Segment	Level	Position	Ref Desc	Name	Description	Code	Data Type	Request	Response	Comments
123	Reference Identification (Utility Rate Service Class)	NM1 Loop	REF	DTL	130	02	Reference Identification	-	Text	AN(1/30)	Not Used	Required	When a REF*NH segment is being sent, this element is required. See Comment on Line 122.
124	Reference Identification (Rate Sub Class)	NM1 Loop	REF	DTL	130	01	Reference Identification Qualifier	Code indicating that REF02 contains the utility rate subclass for the customer being enrolled.	PR	ID(2/3)	Not Used	Conditional	This segment must be present in an Enrollment Accept Response when a rate subclass exists for the account being enrolled.
125	Reference Identification (Rate Sub Class)	NM1 Loop	REF	DTL	130	02	Reference Identification	-	Text	AN(1/30)	Not Used	Required	When a REF*PR segment is being sent, this element is required. See Comment on Line 124.
1181 26	Reference Identification (Use Time-of Day Utility Load	NM1 Loop	REF	DTL	130	01	Reference Identification Qualifier	Code indicating that REF02 will qualify contains the usage data to be sent	TU LO	ID(2/3)	Not Used	Conditional	This segment must be present in an Enrollment Accept Response when the commodity type service is electric and the REF*MT=COMBO. This

	Profile Group Code							on this meter in utility assigned load profile code for the 867-account being enrolled.					segment is <u>Electric Load profile codes</u> can be used to indicate that a measurement period for a service point is further disaggregated into time-of-day periods such as look up the load profile associated with the account being enrolled from data posted on peak, off-peak, etc. This segment is also used to describe measurement types when multiple measurement types will be reported on 867 for a single service end point such as a meter that is capable of measuring both demand and kilowatt hours. the Utility's web site.
119127	Reference Identification (Use Time of Day Utility Load Profile Group Code)	NM1 Loop	REF	DTL	130	02	Reference Identification Qualifier		41, 42, 43, 45, 49, 50, 51, 57, 58, 73, 74, 75, 84, 85, 86, 87, 88, 89, 90, 91, 92, 93, or 94 Text	AN(1/30)	Not Used	Required	When a REF* <u>TU</u> segment is being sent, this element is required. See Comment on Line 118126 .
120128	Reference Identification (Use Time of Day Measurement Type and Reporting Period)	NM1 Loop	REF	DTL	130	0301	Description Reference Identification Qualifier	Use this element to describe a meter's capabilities when the MT segment is "COMBO" in the 02 element. Use the codes to describe the meter's capabilities in the 03 element of the TU segment. Code indicating that REF02 will identify the type of consumption measured by a meter or unmetered service points and the interval between measurements.	Type: K1, K2, K3, K4, K5, or KH Interval: BIM, DAY, MON, QTR, or 001-999 for minutes. <u>MT</u>	AN(1/80)ID(2/3)	Not Used	Required Conditional	This element is required in a REF* <u>TU</u> segment <u>must be present in an Enrollment Accept Response transaction to associated describe the time of day interval in the REF02 element with the unit of measurement units applicable to each service point on the account being enrolled.</u>
121129	Reference Identification (ESCO Rate Code Measurement Type and Reporting Period)	NM1 Loop	REF	DTL	130	0402	Reference Identification Qualifier	Code indicating that REF02 will contain the E/M rate code associated with the service point(s) identified in the NM1 segment.	<u>RB</u> refer to codes listed in 814e IG	ID(2/3)AN(1/30)	Conditional Not Used	Conditional Required	<u>When a REF*MT segment is being sent, this element is required. Use "COMBO" when a meter is capable of measuring more than one type of consumption OR consumption will be reported for more than one interval in a reporting period, such as a time of use meter. For all other meters, this element should contain a code in the first two fields that indicates the type of consumption and a second code in the last three fields that indicates the intervals that are measured. There should be no more than 5 characters in this element. When "COMBO" is sent in the REF*MT segment, the</u>

													<p><u>type of measurement and/or reporting intervals for a period for that service point must be described in a REF*TU segment. Required in an Enrollment Request when the bill option is Utility rate ready consolidated billing and the E/M charges will be calculated based on rate codes instead of commodity prices. Required in an Enrollment Accept Response when present on the Request. If this segment is required and is not sent, the enrollment request will be rejected. When an Enrollment Accept Response transaction, initiated by National Grid, does not have a corresponding Request transaction, this segment in an Accept Response transaction may contain a rate code specified by National Grid in its BSA.</u></p>
122	Reference Identification (ESCO Rate Code)	NM1-Loop	REF	DTL	130	02	Reference Identification Qualifier	-	text	AN(1/30)	Required	Required	<p>When a REF*RB segment is being sent, this element is required. See Comment on Line 121.</p>

Row No	NY DD Field Name	Loop ID	Segment	Level	Position	Ref Desc	Name	Description	Code	Data Type	Request	Response	Comments
130	Reference Identification (Use Time of Day)	NM1 Loop	REF	DTL	130	01	Reference Identification Qualifier	Code indicating that REF02 will qualify the usage data to be sent on this meter in the 867.	TU	ID(2/3)	Not Used	Conditional	This segment must be present in an Accept Response when the commodity type is electric and the REF*MT=COMBO. This segment is used to indicate that a measurement period for a service point is further disaggregated into time of day periods such as on peak, off peak, etc. This segment is also used to describe measurement types when multiple measurement types will be reported on 867 for a single service end point such as a meter that is capable of measuring both demand and kilowatt hours.
131	Reference Identification (Use Time of Day)	NM1 Loop	REF	DTL	130	02	Reference Identification Qualifier	-	41, 42, 43, 45, 49, 50, 51, 57, 58, 73, 74, 75, 84, 85, 86, 87, 88, 89, 90, 91, 92, 93, or 94	AN(1/30)	Not Used	Required	When a REF*TU segment is being sent, this element is required. See Comment on Line 130.
123132	Transaction Set TrailerReference Identification (Use Time of Day)	None NM1 Loop	SEREF	DTL	1480130	0403	Number of Included SegmentsDescription	Number of segments in this transaction. Use this element to describe a meter's capabilities when the MT segment is "COMBO" in the 02 element. Use the codes to describe the meter's capabilities in the 03 element of the TU segment.	#Type: K1, K2, K3, K4, K5, or KH Interval: BIM, DAY, MON, QTR, or 001-999 for minutes.	NO AN(1/4980)	Required Not Used	Required	Required in all transactions. This element is required in a REF*TU segment to associate the time of day interval in the REF02 element with the unit of measurement.
124133	Transaction Set TrailerReference Identification (ESCO Rate Code)	None NM1 Loop	SEREF	DTL	1480130	0201	Transaction Set Control NumberReference Identification Qualifier	Code indicating that REF02 will contain the ESCO rate code associated with the service point(s) identified in the NM1 segment.	ST02RB	AN(4/9)ID(2/3)	Required Conditional	Required Conditional	Required in an Enrollment Request when the bill option is Utility rate ready consolidated billing and the ESCO charges will be calculated based on rate codes instead of commodity prices. Required in an Enrollment Accept Response when present on the Request. If this segment is required and is not sent, the enrollment request will be rejected. Required in all transactions. When an Enrollment Accept Response transaction, initiated by a utility that elects this business practice in its Utility Maintained EDI Guide, does not have a corresponding Request transaction, this segment in an Accept Response

														transaction may contain a rate code specified by the utility in its BSA.
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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
134	Reference Identification (ESCO Rate Code)	NM1 Loop	REF	DTL	130	02	Reference Identification Qualifier	-	text	AN(1/30)	Required	Required	When a REF*RB segment is being sent, this element is required. See Comment on Line 133.
135	Transaction Set Trailer	None	SE	DTL	180	01	Number of Included Segments	Number of segments in this transaction.	#	NO 1/10	Required	Required	Required in all transactions.
136	Transaction Set Trailer	None	SE	DTL	180	02	Transaction Set Control Number	-	ST02	AN(4/9)	Required	Required	Required in all transactions.