Case 98-M-0667
Supplement B

Electronic Data Exchange Standards for Energy Deregulation in New York

Utility Bill Ready Invoice

EDI 810 Data Dictionary for Invoice from ESCO/Marketer to Utility

August 20, 2009
Version 1.2

	Summary of Changes
June 21, 2002	**Initial Release**
August 20, 2009	**Version 1.2 Issued (Note: This version is numbered 1.2 to coincide with issuance of the TS810 UBR version 1.2 Implementation Guide. Version 1.1 was never issued.)** * Changes in Version 1.2 are highlighted in the text of the data dictionary and listed below in the order in which they appear in the dictionary.
	* Comments on the Transaction Set Header are updated to reflect the fact that RG&E currently offers Bill Ready consolidated billing. BAL*M*YB segment is updated to reflect that fact that RG&E does not use this segment.
	* Comments on the use of segment BAL*Y*46 (Budget Plan Cumulative Difference) have been updated to require that this segment be sent when an ESCO/Marketer's residential customer is on a budget plan.
	* Added a BAL*Y*0S segment (Budget Plan Actual Charges Billed to Date) to enable ESCO/Marketers to send the amount of the cumulative actual charges billed to date when a E/M's residential customer is on a budget plan. In compliance with revised regulations implementing modifications in the Home Energy Fair Practices Act, this information must be displayed on the bill when the customer is on a budget plan with the ESCO/Marketer.
	* Added a BAL*Y*0R segment (Budget Plan Installments Billed to Date) to enable ESCO/Marketers to send the amount of the cumulative budget plan installments billed to date when an E/M's residential customer is on a budget plan. In compliance with revised regulations implementing modifications in the Home Energy Fair Practices Act, this information must be displayed on the bill when the customer is on a budget plan with the ESCO/Marketer.
	* Revised the Comments on the use of BAL*M*41 segment to indicate that this segment is now required, in compliance with HEFPA, when an ESCO/Marketers residential customer is on a budget plan
	* The Comments section in row 45 was updated to clarify the use of element 03 in segment BAL*M*41
	* The numbering of the rows in the data dictionary was updated to reflect the insertion of two new BAL segments.
	* The Comments section in rows 64 - 66 was updated to reflect the renumbering of rows in version 1.2.

Row No	NY DD Field Name	Loop ID	Segment	Level	Position	Ref Desc	Name	Description	Code	Data Type	Usage Attributes	Comments
1	Transaction Set Header	None	ST	HDR	010	01	Transaction Set Identifier Code	Indicates Type of transaction	810	ID(3/3)	Required	This data dictionary pertains to an 810 Invoice standard for the Utility Bill Ready model. The model is currently supported by NYSEG, RG&E, KeySpan Energy Delivery of New York and KeySpan Gas East Corporation but other utilities may opt to offer this model in the future.
2	Transaction Set Header	None	ST	HDR	010	02	Transaction Set Control Number	A number generated by the senders system	ID#	AN(4/9)	Required	Identifying control number assigned by the originator of a transaction set. This identifier must be unique for each transaction set within a functional group.
3	Beginning Segment for Invoice	None	BIG	HDR	020	01	Date	Date transaction was created by the sender's system.	CCYYMMDD	DT(8/8)	Required	
4	Beginning Segment for Invoice	None	BIG	HDR	020	02	Invoice Number	A unique transaction identification number assigned by the originator of this transaction. This number must be unique over time.	ID#	AN(1/22)	Required	
5	Beginning Segment for Invoice	None	BIG	HDR	020	05	Release Number	The number originally transmitted in element BPT02 in of the 867 Current Usage transaction associated with this Invoice.		AN 1/30	Required	The number transmitted in element BPT02 of the 867 Monthly Usage transaction must be sent in element BIG05 of the 810 Invoice transaction in order to cross reference usage data sent in the 867 to the charge data in the 810 Invoice that was calculated based on that usage.
6	Beginning Segment for Invoice	None	BIG	HDR	020	07	Transaction Type Code	Type of invoice	ME	ID(2/2)	Required	The code "ME" is sent in BIG07 to indicate this invoice is a regular bill.
7	Beginning Segment for Invoice	None	BIG	HDR	020	08	Transaction Set Purpose Code	Purpose of transaction	00	ID(2/2)	Required	The 810 cancel transaction will not be used in the Utility Bill Ready model; all 810 Invoices will be original invoices. Code 00 is sent in BIG08 to indicate that this invoice is an Original transaction. When charges that were previously billed must be canceled, the sum of all canceled charges is sent in an SAC segment where SAC04=ADJ000 and SAC05 contains the canceled charges preceded by a negative sign.
8	Reference Identification (ESCO/Marketer Customer Account Number)	None	REF	HDR	050	01	Reference Identification Qualifier	Code indicating that the REF02 element contains the ESCO assigned account number for the customer.	11	ID 2/3	Conditional	This segment must be sent when the ESCO/Marketer has assigned a unique account number to their customer and they would like that number printed on the consolidated bill.
9	Reference Identification (ESCO/Marketer Customer Account Number)	None	REF	HDR	050	02	Reference Identification	ESCO/Marketer's assigned account number for the customer.	Account #	AN 1/30	Required	When a REF*11 segment is sent this element is required.
10	Reference Identification (Utility Customer Account Number)	None	REF	HDR	050	01	Reference Identification Qualifier	Code indicating that the REF02 element contains the Utility assigned account number for the customer	12	ID 2/3	Required	The utility account number for the customer must be sent in all transactions. The account number should be supplied without intervening spaces or non-alphanumeric characters i.e. characters added only to aid in visible presentation on a bill should not be sent.
11	Reference Identification (Utility Customer Account Number)	None	REF	HDR	050	02	Reference Identification	Utility assigned customer account number	Account #	AN 1/30	Required	
12	Reference Identification (Bill Presenter)	None	REF	HDR	050	01	Reference Identification Qualifier	Code indicating that REF02 identifies the bill presenter	BLT	ID 2/3	Required	This segment identifies the billing party. In the Utility Bill Ready model, the LDC is always the bill presenter.
13	Reference Identification (Bill Presenter)	None	REF	HDR	050	02	Reference Identification	The Bill Presenter in the Utility Bill Ready model is always the LDC.	LDC	AN 1/30	Required	When a REF*BLT is sent this element is required.
14	Reference Identification (Bill Calculator)	None	REF	HDR	050	01	Reference Identification Qualifier	Code indicating that REF02 identifies the bill calculator	PC	ID 2/3	Required	This segment identifies the party calculating bill charges. In the Utility Bill Ready model, each party calculates their own charges.
15	Reference Identification (Bill Calculator)	None	REF	HDR	050	02	Reference Identification	Party calculating bill charges.	DUAL	AN 1/30	Required	When a REF*PC is sent this element is required.
16	Name (ESCO/Marketer)	NI Loop	N1	HDR	070	01	Entity Identifier Code	Code identifying the E/M in this transaction	SJ	ID(2/3)	Required	Identifies the ESCO/Marketer participating in this transaction.
17	Name (ESCO/Marketer)	NI Loop	N1	HDR	070	02	Name	Literal name of the E/M in this transaction	free form text	AN(1/60)	Optional	When an N1*SJ segment is sent this element is optional. E/M name is not necessary but may be provided by mutual agreement of the trading partners.
18	Name (ESCO/Marketer)	NI Loop	N1	HDR	070	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	When an N1*SJ segment is sent, this element is required to indicate the type of number that is being sent in the N104 element.
19	Name (ESCO/Marketer)	NI Loop	N1	HDR	070	04	Identification Code	ESCO/Marketer's DUNS or Tax ID number	ID#	AN(2/80)	Required	When an N1*SJ segment is sent, this element is required.
20	Name (Utility)	NI Loop	N1	HDR	070	01	Entity Identifier Code	Code identifying the Utility in this transaction	8S	ID(2/3)	Required	Identifies the Utility participating in this transaction.
21	Name (Utility)	NI Loop	N1	HDR	070	02	Name	Literal name of the Utility in this transaction	free form text	AN(1/60)	Optional	When an N1*8S segment is sent, this element is optional. Utility name is not necessary but may be provided by mutual agreement of the trading partners.
22	Name (Utility)	NI Loop	N1	HDR	070	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	When an N1*8S segment is sent, this element is required to indicate the type of number that is being sent in the N104 element.
23	Name (Utility)	NI Loop	N1	HDR	070	04	Identification Code	Utility's DUNS Number or Tax ID number	ID#	AN(2/80)	Required	When an N1*8S segment is sent, this element is required.
24	Name (Customer)	NI Loop	N1	HDR	070	01	Entity Identifier Code	Code identifying the Customer in this transaction	8R	ID(2/3)	Optional	Identifies the Customer participating in this transaction. The customer name segment 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	Usage Attributes	Comments
25	Name (Customer)	NI Loop	N1	HDR	070	02	Name	Literal name of the Customer in this transaction	free form text	AN(1/60)	Required	When an N1*8R segment is sent, this element is required.
24	PID Product/Item Description (Text Messages)	None	PID	HDR	160	01	Item Description Type	Code indicating whether PID05 contains a text message or a text message code	F or S	ID 1/1	Conditional	The PID segment is sent when the ESCO/Marketer would like a text message printed on the customer's consolidated bill. Either actual text or a code referencing specific text may be sent in PID05. The process for handling text messages on the consolidated bill must be agreed upon between the utility and the E/M in advance. Up to 6 PID segments may be sent but the total of all text messages to be printed on the bill must be less than or equal to 480 characters. NYSEG will accept actual text; KeySpan will accept text message codes.
25	PID Product/Item Description (Text Messages)	None	PID	HDR	160	02	Product/Process Characteristic Code	Code indicating that the data sent in this segment is of the type "general description".	GEN	ID 2/3	Required	When the PID segment is being sent this element is required.
26	PID Product/Item Description (Text Messages)	None	PID	HDR	160	05	Description	Message Code or Message Text	Text or Local User Code	AN 1/80	Required	When the PID segment is being sent this element is required. PID05 may contain the actual text of the message to be displayed on the bill (PID01=F) or may contain a code (PID01=S) associated with specific pre-approved text. When codes are being sent and the E/M would like to change the specific text associated with a specific code, they must notify the utility at least 15 days in advance.
27	PID Product/Item Description (Text Messages)	None	PID	HDR	160	06	Surface/Layer/ Position Code	A code used to order the message(s) identified in PID05.	R1, R2, R3, R4, R5, R6	ID 2/2	Required	When the PID segment is being sent this element is required to indicate the order in which text characters are to be displayed on the bill (PID01=F) or to indicate the order in which the messages associated with the codes sent in PID05 are to be printed on the bill.
28	Balance Detail (Total Outstanding Balance)	None	BAL	HDR	212	01	Balance Type Code	Code indicating the type of balance	M	ID 1/2	Conditional	This segment is sent when the pay-as-you-get paid method is being used. This is the customer's total outstanding balance after presentment of this invoice. When the Beginning Balance segment (see below) is NOT being sent in the same transaction, the amount sent in this segment must be reduced by the beginning balance amount on the E/Ms records in order to ensure that the outstanding balance for the E/Ms account recorded by the Utility equals the amount of the outstanding balance recorded by the E/M for that customer. This segment is not used by NYSEG or RGE.
29	Balance Detail (Total Outstanding Balance)	None	BAL	HDR	212	02	Amount Qualifier Code	Code to qualify amount sent in BAL03.	YB	ID 1/3	Required	This element is required when this BAL segment is being sent; the combination of M*YB is used to indicate that this segment contains the total outstanding balance.
30	Balance Detail (Total Outstanding Balance)	None	BAL	HDR	212	03	Monetary Amount	Amount of customer's total outstanding balance (previous balance plus current charges) in the form xx.yy.	xx.yy OR -xx.yy	R 1/18	Required	The amount of the balance is sent in the BAL03 element. If the outstanding balance is a negative number (i.e. a credit balance), the amount must be preceded by a negative sign (-). The decimal point is not implied in this element and, if needed, must be sent.
31	Balance Detail (Beginning Balance)	None	BAL	HDR	212	01	Balance Type Code	Code indicating the type of balance	M	ID 1/2	Conditional	The ESCO/Marketer may send the beginning balance for their customer when the account is initially transferred to Utility consolidated Bill Ready billing. This amount will be displayed on the E/M portion of the customer's bill as the balance before payments and/or current charges are applied.
32	Balance Detail (Beginning Balance)	None	BAL	HDR	212	02	Amount Qualifier Code	Code to qualify amount sent in BAL03.	J9	ID 1/3	Required	This element is required when this BAL segment is being sent; the combination of M*J9 is used to indicate that this segment contains the beginning balance.
33	Balance Detail (Beginning Balance)	None	BAL	HDR	212	03	Monetary Amount	Amount of the Customer's Beginning Balance	xx.yy OR -xx.yy	R 1/18	Required	The amount of the balance is sent in the BAL03 element. If the outstanding balance is a negative number (i.e. a credit balance), the amount must be preceded by a negative sign (-). The decimal point is not implied in this element and, if needed, must be sent.
34	Balance Detail (Budget Plan Cumulative Difference)	None	BAL	HDR	212	01	Balance Type Code	Code indicating the type of balance	Y	ID 1/2	Conditional	This BAL segment must be sent when a residential customer is on a budget plan for the ESCO/Marketer's charges. This segment may also be sent for non-residential customers when the ESCO/Marketer would like the information displayed on the customers consolidated bill.
35	Balance Detail (Budget Plan Cumulative Difference)	None	BAL	HDR	212	02	Amount Qualifier Code	Code to qualify amount	46	ID 1/3	Required	This element is required when cumulative budget plan balance data is being sent. The combination of Y*46 is used to indicate that this segment contains the cumulative difference between actual charges based on usage and budget plan amounts billed to date.

Row No	NY DD Field Name	Loop ID	Segment	Level	Position	Ref Desc	Name	Description	Code	Data Type	Usage Attributes	Comments
36	Balance Detail (Budget Plan Cumulative Difference)	None	BAL	HDR	212	03	Monetary Amount	Amount of Cumulative Difference	xx.yy OR -xx.yy	R 1/18	Required	This element is required when cumulative budget plan balance data is being sent. If the cumulative balance is a negative number (i.e. a credit balance), the amount must be preceded by a negative sign(-). The decimal point is not implied in this element and, if needed, must be sent.
37	Balance Detail (Budget Plan Actual Charges Billed to Date)	None	BAL	HDR	212	01	Balance Type Code	Code indicating the type of balance	Y	ID 1/2	Conditional	This segment must be sent when a residential customer is on Budget Billing for the ESCO/Marketers charges and the E/M is calculating budget plan balances. This segment may be sent when a non-residential customer is on a budget plan and would like the information displayed on the customers' bill. This segment should be sent in conjunction with the BAL*Y*0R segment (Budget Plan Installments Billed to Date).
38	Balance Detail (Budget Plan Actual Charges Billed to Date)	None	BAL	HDR	212	02	Amount Qualifier Code	Code to qualify amount	0S	ID 1/3	Required	This element is required when the balance of actual charges billed to date for a customer on the budget plan is being sent. The combination of Y*0S is used to indicate that this segment contains the amount of actual charges billed to date under a budget plan for the customer indicated in the REF*12 segment.
39	Balance Detail (Budget Plan Actual Charges Billed to Date)	None	BAL	HDR	212	03	Monetary Amount	Amount of Actual Charges Billed to Date	xx.yy OR -xx.yy	R 1/18	Required	This element is required when the balance of actual charges billed to date is being sent. If the balance is a negative number (i.e. a credit balance), the amount must be preceded by a negative sign(-). The decimal point is not implied in this element and, if needed, must be sent.
40	Balance Detail (Budget Plan Installments Billed to Date)	None	BAL	HDR	212	01	Balance Type Code	Code indicating the type of balance	Y	ID 1/2	Conditional	This segment must be sent when a residential customer is on Budget Billing for the ESCO/Marketers charges and the E/M is calculating budget plan balances. This segment may be sent when a non-residential customer is on a budget plan and would like the information displayed on the customers' consolidated bill. This segment should be sent in conjunction with the BAL*Y*0S segment (Budget Plan Actual Charges Billed to Date).
41	Balance Detail (Budget Plan Installments Billed to Date)	None	BAL	HDR	212	02	Amount Qualifier Code	Code to qualify amount	0R	ID 1/3	Required	This element is required when the balance of budget plan installments billed to date for a customer on the budget plan is being sent. The combination of Y*0R is used to indicate that this segment contains the balance of budget plan installments billed to date under a budget plan for the customer indicated in the REF*12 segment.
42	Balance Detail (Budget Plan Installments Billed to Date)	None	BAL	HDR	212	03	Monetary Amount	Amount of Budget Plan Installments Billed to Date	xx.yy OR -xx.yy	R 1/18	Required	This element is required when the balance of actual charges billed to date is being sent. If the balance is a negative number (i.e. a credit balance), the amount must be preceded by a negative sign(-). The decimal point is not implied in this element and, if needed, must be sent.
43	Balance Detail (Budget Plan Current Month Difference)	None	BAL	HDR	212	01	Balance Type Code	Code indicating the type of balance	M	ID 1/2	Conditional	This BAL segment must be sent when a residential customer is on budget billing for the ESCO/Marketers charges and the E/M is calculating the current month difference between actual charges and budget plan installments. This segment may also be sent for non-residential customers when the E/M would like the information displayed on the customers' consolidated bill.
44	Balance Detail (Budget Plan Current Month Difference)	None	BAL	HDR	212	02	Amount Qualifier Code	Code to qualify amount	41	ID 1/3	Required	When this BAL segment is being sent this element is required. This segment is used to report the difference between actual and budget plan amounts for the current bill period. The combination of M*41 is used to indicate that this segment contains the difference between actual charges based on usage and budget plan amounts for the current bill period.
45	Balance Detail (Budget Plan Current Month Difference)	None	BAL	HDR	212	03	Monetary Amount	Amount of Current Difference	xx.yy OR -xx.yy	R 1/18	Required	When the BAL*M*41 segment is being sent this element is required to transmit the amount of the difference between actual and budget plan amounts for the current bill period. If the amount is a negative number (i.e. a credit), the amount must be preceded by a negative sign(-). The decimal point is not implied in this element and, if needed, must be sent.

Row No	NY DD Field Name	Loop ID	Segment	Level	Position	Ref Desc	Name	Description	Code	Data Type	Usage Attributes	Comments
46	Period Amount (Payment Posted or Refund Applied)	None	PAM	HDR	214	04	Amount Qualifier Code	Code in this element indicates whether the monetary amount in PAM*05 is a payment amount or a refund	BAR QZ	ID1/3	Conditional	This segment must be sent when the ESCO/Marketer has received a payment from the customer, or has refunded money to the customer, for E/M charges. If the customer inadvertently pays the E/M, rather than the Utility, the amount due for a consolidated bill the E/M must contact the Utility directly to resolve how such a payment should be handled. DO NOT SEND THIS SEGMENT TO INDICATE A DEPOSIT IS BEING APPLIED ON THE E/Ms ACCOUNT. See the description of SAC04 codes DAB001-004 in the 810 Implementation Guide for more information regarding the treatment of deposits.
47	Period Amount (Payment Posted or Refund Applied)	None	PAM	HDR	214	05	Monetary Amount	Amount paid or refunded	-xx.yy	R 1/18	Required	PAM05 is used to communicate the amount of the payment received or the refund issued.
48	Period Amount (Payment Posted or Refund Applied)	None	PAM	HDR	214	06	Unit of Time Period or Interval	Code describing the date sent in PAM08	PD	ID 2/2	Required	When PAM07 is being sent, PAM06 is required to comply with X12 syntax requirements.
49	Period Amount (Payment Posted or Refund Applied)	None	PAM	HDR	214	07	Date/Time Qualifier	Code qualifying the date sent in PAM08	009	ID 3/3	Required	When PAM08 is being sent, PAM07 is required to comply with X12 syntax requirements.
50	Period Amount (Payment Posted or Refund Applied)	None	PAM	HDR	214	08	Date	Date payment was posted or refund applied.	CCYYMMDD	DT 8/8	Required	PAM08 must be sent to indicate the date the payment or refund was applied.
51	Baseline Item Data (Charge Level)	IT1 Loop	IT1	DTL	010	01	Assigned Identification	Sequential Line Item Counter	first IT1 = 01, the next IT1 =02, the next IT1=03, etc.	AN 1/20	Required	An 810 Invoice transaction must contain at least one IT1 loop. The IT101 element is used to differentiate between IT1 loops where more than one loop is being sent. Data in the IT1 segment identifies the type of commodity service for which the charges in this invoice are being rendered and at what level of detail the charges are being reported.
52	Baseline Item Data (Charge Level)	IT1 Loop	IT1	DTL	010	06	Product/Service ID Qualifier	Code describing the type of product/service to which the charges apply	SV	ID 2/2	Required	The element is required when the IT107 is being sent to comply with X12 syntax requirements.
53	Baseline Item Data (Charge Level)	IT1 Loop	IT1	DTL	010	07	Product/Service ID	Indicates type of service	EL or GAS	AN 1/48	Required	There may be only one commodity (Electric or Gas) for each 810 transaction.
54	Baseline Item Data (Charge Level)	IT1 Loop	IT1	DTL	010	08	Product/Service ID Qualifier	Code identifying the Service Classification	C3	ID 2/2	Required	An IT108 element is required when an IT109 element is being sent.
55	Baseline Item Data (Charge Level)	IT1 Loop	IT1	DTL	010	09	Product/Service ID	Indicates the level at which charges should be billed	ACCOUNT OR METER OR UNMET	AN 1/48	Required	The IT109 must be sent to indicate the level at which charges apply: ACCOUNT - charges/taxes are summarized at an Account level. METER - charges/taxes are summarized by Meter UNMET - charges/taxes are summarized for unmetered services. There may be only one IT1 segment where IT109=ACCOUNT per transaction.
56	Tax Information	IT1 Loop	TXI	DTL	040	01	Tax Type Code	Code specifying the type of tax	LS	ID 2/2	Conditional	The TXI segment is used to report tax amounts. All tax amounts for the customer may be sent in one TXI segment at the Account level or individual tax amounts may be associated with a meter at the Meter level or with unmetered service at the Unmet level. The 810 Invoice should contain at least one TXI segment unless the customer is tax exempt.
57	Tax Information	IT1 Loop	TXI	DTL	040	02	Monetary Amount	Monetary amount	xx.yy OR -xx.yy	R 1/18	Required	Calculated Tax Amount. When the amount is a negative number (i.e. a credit) a negative sign (-) must be sent. The decimal point is not implied in this element and, if needed, must be sent.
58	Tax Information	IT1 Loop	TXI	DTL	040	03	Percent	Percentage expressed as a decimal	.yy	R 1/10	Optional	When TXI08 is being sent, TXI03 must also be sent. Tax rate expressed as a percent with a decimal point, e.g., 6% would be expressed as .06. The decimal point is not implied in this element and, if needed, must be sent.
59	Tax Information	IT1 Loop	TXI	DTL	040	07	Relationship Code	Code indicating the relationship between entities	A or O	ID 1/1	Required	Use "A" when the amount in the TXI02 element should be included when summing the invoice total in the TDS segment; use "O" when the amount in the TXI02 should be ignored when summing the invoice total in the TDS segment.
60	Tax Information	IT1 Loop	TXI	DTL	040	08	Dollar Basis For Percent	Dollar basis to be used in the percent calculation of the allowance, charge or tax	xxxxxx.yy OR -xxxxxx.yy	R 1/9	Optional	This element is optional but if sent, the TXI03 must also be sent. The amount in TXI08 multiplied by the percent in TXI03 should equal the calculated tax amount in TXI02. If the amount is a negative number (i.e. a credit), the amount must be preceded by a negative sign(-). The decimal point is not implied in this element and, if needed, must be sent.

Row No	NY DD Field Name	Loop ID	Segment	Level	Position	Ref Desc	Name	Description	Code	Data Type	Usage Attributes	Comments
61	Reference Identification (Meter Number)	IT1 Loop	REF	DTL	120	01	Reference Identification Qualifier	Code indicating that the number in REF02 is a meter number.	MG	ID(2/3)	Conditional	When charges are being sent at the METER level (IT109=METER) this segment is required to identify which meter is associated with the charges being sent.
62	Reference Identification (Meter Number)	IT1 Loop	REF	DTL	120	02	Reference Identification	Meter Number	#	AN 1/30	Required	When a REF*MG segment is sent, this element is required.
63	Date/Time Reference (Period Start Date)	IT1 Loop	DTM	DTL	150	01	Date/Time Qualifier	Code indicating that DTM02 contains the measurement period start date associated with the invoice amounts in this IT1 loop.	150	ID(3/3)	Conditional	Period Start and End Dates should be provided except in instances in which an 810 Invoice is being generated in response to receipt of an 867MU transaction containing an Interim Bill Notice. The billing period indicated by the dates sent in the DTM*150 and DTM*151 segments must match the periods indicated in the QTY loops in the applicable PTD loops in the 867 Monthly Usage transaction referenced in segment BIG05 in this transaction. The Utility may agree to accept alternative start and/or end dates when IT109-METER or UNMET and the measurement period associated with a specific meter (or unmetered service) does not correspond to the earliest start date and/or the latest end date in the corresponding 867 MU transaction.
64	Date/Time Reference (Period Start Date)	IT1 Loop	DTM	DTL	150	02	Date	Period Start Date	CCYYMMDD	DT(8/8)	Required	See Comment on Line 62.
65	Date/Time Reference (Period End Date)	IT1 Loop	DTM	DTL	150	01	Date/Time Qualifier	Code indicating that DTM02 contains the measurement period end date associated with the invoice amounts in this IT1 loop.	151	ID(3/3)	Conditional	See Comment on Line 62.
66	Date/Time Reference (Period End Date)	IT1 Loop	DTM	DTL	150	02	Date	Period End Date	CCYYMMDD	DT(8/8)	Required	See Comment on Line 62.
67	Subline Item Detail (Item Counter)	SLN Loop	SLN	DTL	200	01	Assigned Identification	Sequential Charge Line Item Counter.	#	AN 1/20	Conditional	All charge data, other than tax amounts, must be sent in an SLN loop. Two segments comprise an SLN loop - an SLN segment and an SAC segment. In the SLN segment, the SLN01 element is used as a sequential item counter to denote the placement of each SLN loop in a transaction i.e. 1= this is the first SLN loop, 2=this is the second SLN loop in this transaction, etc. There may be only one SLN segment for each SAC segment in each SLN loop. This 810 Invoice standard accomodates up to 25 SLN loops but not all utilities may accept 25 loops in a transaction.
68	Subline Item Detail (Item Counter)	SLN Loop	SLN	DTL	200	03	Relationship Code	Code indicating the relationship between entities	A	ID 1/1	Required	When an SLN segment is sent, the 03 element is required. A relationship code in the SLN segment is required by X12 and the code "A" is the most widely used code for the SLN03 element for invoices in retail access situations. The code value "Add" for code "A" has no literal meaning in this transaction. It is only sent as a placeholder to satisfy X12 requirements.
69	Service, Promotion, Allowance, or Charge Information (Charges/Adjustments)	SLN Loop	SAC	DTL	230	01	Allowance or charge indicator	Code which indicates an allowance or charge for the service specified	C or N	ID 1/1	Required	An "N" code should be sent in this segment when the amount in the SAC05 should be ignored when summing the invoice total in the TDS segment. A "C" code should be sent when the amount in the SAC05 should be included when summing the invoice total in the TDS segment. This structure is commonly used to differentiate between, for example, actual charges and budget plan charges. To send charge amounts associated with budget payment plans, please refer to the notes displayed in the Implementation Guide for SAC04 codes BUD001, BUD002 and BUD003 for the treatment of these charges.
70	Service, Promotion, Allowance, or Charge Information (Charges/Adjustments)	SLN Loop	SAC	DTL	230	03	Agency Qualifier Code	Code identifying the agency assigning the code values	EU or GU	ID 2/2	Required	EU is used for Electric and combination utilities; GU is used for Gas Utilities.

Row No	NY DD Field Name	Loop ID	Segment	Level	Position	Ref Desc	Name	Description	Code	Data Type	Usage Attributes	Comments
71	Service, Promotion, Allowance, or Charge Information (Charges/Adjustments)	SLN Loop	SAC	DTL	230	04	Agency Service, Promotion, Allowance, or Charge Code	Code indicating the type of charge	See Implementation Guide for the list of SAC04 codes applicable to the 810 Invoice transaction for the Utility Bill Ready model	AN 1/10	Required	The SAC04 codes will be used to categorize the charge amounts sent in SAC05 and to determine the text that will be displayed on the E/Ms portion of the consolidated bill. Either the standard text associated with the SAC04 code, e.g. when BAS001 is sent the text description "Customer Charge" would be displayed on the bill or each E/M will designate the text description that want to associate with each SAC04 code they intend to send. That description, in lieu of the standard text, would be displayed on the customer's bill. E/Ms may request that other non-standardized text be displayed on the customers bill by sending a TPI02 code in SAC04 and the non-standard text in SAC15. For KeySpan, however, all text to be sent in SAC15 must be pre-approved.
72	Service, Promotion, Allowance, or Charge Information (Charges/Adjustments)	SLN Loop	SAC	DTL	230	05	Amount	Dollar amount (credit or debit) of the charge associated with the code sent in SAC04.	xxxxxxxxxxxxxyy OR - xxxxxxxxxxxxxyy	N2 1/15	Required	If the amount is a negative number (i.e. a credit), the amount must be preceded by a negative sign(-). This element contains an implied decimal; DO NOT send the decimal point. The amount sent in this element must ALWAYS equal the product of SAC08 multiplied by SAC10.
73	Service, Promotion, Allowance, or Charge Information (Charges/Adjustments)	SLN Loop	SAC	DTL	230	08	Rate	ESCO/Marketer price per unit that was used to calculate the amount of the charge	xx.yy	R 1/9	Conditional	When the E/M would like quantity, unit of measure and rate displayed on the customer's bill for a specific SAC05 amount, the SAC08, SAC09 and SAC10 elements may be used for this purpose. SAC08 is used to send the rate that was used to calculate the amount sent in SAC05. The decimal point is NOT implied in this element and must be sent, if needed. When SAC08 is sent, SAC09 and SAC10 must also be sent.
74	Service, Promotion, Allowance, or Charge Information (Charges/Adjustments)	SLN Loop	SAC	DTL	230	09	Unit or Basis for Measurement Code	Unit of measure for the SAC10 quantity.	DA ; DO; EA ; HH ; K1; K2 ; K3 ; K4; K5; K7; KH ; MO ; TD ; or YR	ID 2/2	Conditional	The code in SAC09 is used to describe the unit of measurement that was the basis for the calculated amount sent in the SAC05. See comment on Line 68. This element must be sent in conjunction with SAC08 and SAC10. See the Implementation Guide for a description of the values associated with each code.
75	Service, Promotion, Allowance, or Charge Information (Charges/Adjustments)	SLN Loop	SAC	DTL	230	10	Quantity	Consumption or Quantity	#	R 1/15	Conditional	SAC10 is sent to provide the quantity that was the basis for the calculation of the charge amount sent in SAC05. This element must be sent in conjunction with SAC08 and SAC09. The product of the amount sent in SAC10 multiplied by the amount sent in SAC08 should equal the amount sent in SAC05. If the amount is a negative number (i.e. a credit), the amount must be preceded by a negative sign(-). The decimal point is not implied in this element and, if needed, must be sent.
76	Service, Promotion, Allowance, or Charge Information (Charges/Adjustments)	SLN Loop	SAC	DTL	230	13	Reference Identification	Print sequencing number for the amounts sent in SAC05.	01,02,03,04 etc.	AN 1/30	Conditional	This element is sent to designate the order in which SAC05 amounts should be displayed on the E/M portion of the consolidated bill. When this element is not sent, the billing party may print the SAC05 amounts in any order. This element is not used by KeySpan.
77	Service, Promotion, Allowance, or Charge Information (Charges/Adjustments)	SLN Loop	SAC	DTL	230	15	Description	Additional text that may be sent to further describe the nature of the charge amount sent in SAC05.	Text	AN 1/80	Conditional	This segment must be sent when SAC04=TPI02 to provide the text description for the amount sent in SAC05. All text sent to KeySpan in SAC15 must be pre-approved. The billing party may limit the number of characters they will accept in SAC15. The maximum number of characters that will be accepted is 35 for KeySpan and 36 for NYSEG.

Row No	NY DD Field Name	Loop ID	Segment	Level	Position	Ref Desc	Name	Description	Code	Data Type	Usage Attributes	Comments
78	Total Monetary Value Summary	None	TDS	SUM	010	01	Amount	The sum of the current charges sent in this invoice.	xxxxxxxxxxxx.yy OR -xxxxxxxxxxxx.yy	N2 1/15	Required	Typically, the TDS amount is the sum of all current charges and taxes in an invoice transaction. When the invoice transaction, however, contains a credit associated with canceled charges, the amount sent in the TDS segment will be the net of the current period charges and the credit for canceled charges. When the sum of the charge items is a negative number (i.e. a credit), the amount must be preceded by a negative sign(-). The decimal point is NOT implied in this element and must be sent, if needed. See the Comments on lines 53 and 63 for additional clarification regarding the amounts that should be included in the TDS segment.
79	Transaction Totals	None	CTT	SUM	070	01	Number of Line Items	Number of IT1 segments	#	N0 1/6	Required	
80	Transaction Set Trailer	None	SE	SUM	080	01	Number of Included Segments	Total number of segments included in a transaction set including ST and SE segments	#	NO 1/10	Required	
81	Transaction Set Trailer	None	SE	SUM	080	02	Transaction Set Control Number	Identifying control number that must be unique within the transaction set functional group assigned by the originator for a transaction set		AN(4/9)	Required	