

Illinois

Implementation
Guide
For
Electronic
Data
Interchange

Transaction Set
ANSI ASC X12 Version 004010

810
Invoice – Single Bill Option
(SBO)

Version 1.0

December 13, 2011
Version 1.0

Summary of Changes

- Initial Release.

Implementation Notes

Purpose	<ul style="list-style-type: none">• This document is used to define the requirements of the “Single Bill Option” Supplier Consolidated Bill. Under this scenario, the Utility sends their portion of the bill to the RES. The RES presents the consolidated bill to the customer.
Billing Options by Utility	<ul style="list-style-type: none">• Ameren supports Rate Ready Utility Consolidated Billing, Bill Ready Utility Consolidated Billing, RES Consolidated Billing (Single Bill Option) and Dual Billing.• ComEd supports Bill Ready Utility Consolidated Billing, RES Consolidated Billing (Single Bill Option) and Dual Billing.
Cross Reference between 867 & 810	<ul style="list-style-type: none">• Ameren: the cross reference number is not included on the 810 at this time.• ComEd: for dual service accounts (accounts with electric and lighting service) ComEd sends one 867 for each service. The REF (Cross Reference Number) segment qualifier 6O ties back all 867s related to the 810 SBO Invoice.
Implementation of Service Point (Ameren)	<ul style="list-style-type: none">• Ameren Mass Market<ul style="list-style-type: none">○ The Service Point Number will be sent in REF*LU.• Ameren Non-Mass Market<ul style="list-style-type: none">○ The Service Point Number will be sent in REF*LU.
Cancel/Rebill	<ul style="list-style-type: none">• In the event that the utility needs to cancel/rebill due to usage, the 810 will be “Replaced”. An 810 Cancel transaction is not sent for SBO.<ul style="list-style-type: none">○ Utility sends 867 Cancel○ Utility sends 867 New Original○ Utility sends 810 Replace• To indicate the “Replace” transaction, the BIG08 will contain the code “05”. The Original Invoice Number (REF~OI) is not provided for SBO.
Meter Exchange	<ul style="list-style-type: none">• Ameren:<ul style="list-style-type: none">○ When a meter exchange occurs, Ameren will send one IT1 “METER” loop for each meter showing the period that meter was in place.○ Therefore, to match service period dates, you would need to take the earliest DTM*150 and the latest DTM*151.• ComEd:<ul style="list-style-type: none">○ ComEd only provides the DTM*151 end date in the IT1 Meter Information loop. When a meter exchange occurs, the DTM*151 in the exchanged meter’s IT1 Meter Information loop represents the date the meter was exchanged. The DTM*151 in the new meter’s IT1 Meter Information loop will match the end date for the bill period.

810 Invoice

Functional Group ID=**IN**

Introduction:

This Draft Standard for Trial Use contains the format and establishes the data contents of the Invoice Transaction Set (810) for use within the context of an Electronic Data Interchange (EDI) environment. The transaction set can be used to provide for customary and established business and industry practice relative to the billing for goods and services provided.

Heading:

	<u>Pos. No.</u>	<u>Seg. ID</u>	<u>Name</u>	<u>Req. Des.</u>	<u>Max.Use</u>	<u>Loop Repeat</u>	<u>Notes and Comments</u>
M	010	ST	Transaction Set Header	M	1		
M	020	BIG	Beginning Segment for Invoice	M	1		
	030	NTE	Note/Special Instruction	O	100		
	050	REF	Reference Identification	O	12		
LOOP ID - N1						200	
	070	N1	Name	O	1		
	090	N3	Address Information	O	2		
	100	N4	Geographic Location	O	1		
	130	ITD	Terms of Sale/Deferred Terms of Sale	O	>1		
	212	BAL	Balance Detail	O	>1		
	213	INC	Installment Information	O	1		

Detail:

	<u>Pos. No.</u>	<u>Seg. ID</u>	<u>Name</u>	<u>Req. Des.</u>	<u>Max.Use</u>	<u>Loop Repeat</u>	<u>Notes and Comments</u>
LOOP ID - IT1						200000	
	010	IT1	Baseline Item Data (Invoice)	O	1		
	059	MEA	Measurements	O	40		
LOOP ID - PID						1000	
	060	PID	Product/Item Description	O	1		
	120	REF	Reference Identification	O	>1		
	150	DTM	Date/Time Reference	O	10		
LOOP ID - SLN						1000	
	200	SLN	Subline Item Detail	O	1		
	230	SAC	Service, Promotion, Allowance, or Charge Information	O	25		

Summary:

	<u>Pos. No.</u>	<u>Seg. ID</u>	<u>Name</u>	<u>Req. Des.</u>	<u>Max.Use</u>	<u>Loop Repeat</u>	<u>Notes and Comments</u>
M	010	TDS	Total Monetary Value Summary	M	1		
M	080	SE	Transaction Set Trailer	M	1		

Segment: **ST** Transaction Set Header
Position: 010
Loop:
Level: Heading
Usage: Mandatory
Max Use: 1
Purpose: To indicate the start of a transaction set and to assign a control number
Syntax Notes:
Semantic Notes: 1 The transaction set identifier (ST01) is used by the translation routines of the interchange partners to select the appropriate transaction set definition (e.g., 810 selects the Invoice Transaction Set).

Comments:

Notes: Required
 ST~810~000000001

Data Element Summary

	<u>Ref. Des.</u>	<u>Data Element</u>	<u>Name</u>	<u>Attributes</u>
Must Use	ST01	143	Transaction Set Identifier Code Code uniquely identifying a Transaction Set 810 Invoice	M ID 3/3
Must Use	ST02	329	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	M AN 4/9

Segment: **BIG** Beginning Segment for Invoice
Position: 020
Loop:
Level: Heading
Usage: Mandatory
Max Use: 1
Purpose: To indicate the beginning of an invoice transaction set and transmit identifying numbers and dates

Syntax Notes:

- Semantic Notes:**
- 1 BIG01 is the invoice issue date.
 - 2 BIG03 is the date assigned by the purchaser to purchase order.
 - 3 BIG10 indicates the consolidated invoice number. When BIG07 contains code CI, BIG10 is not used.

Comments: 1 BIG07 is used only to further define the type of invoice when needed.

Notes: Required
 BIG~20110913~0002840008201109130004~~~~ME~00
 BIG~20110909~000300808120110909~~~~ME~00

Data Element Summary

	<u>Ref. Des.</u>	<u>Data Element</u>	<u>Name</u>	<u>Attributes</u>
Must Use	BIG01	373	Date	M DT 8/8
			Date expressed as CCYYMMDD	
			Invoice Date - the date that appears on the customer's invoice.	
Must Use	BIG02	76	Invoice Number	M AN 1/22
			Identifying number assigned by issuer	
			A unique transaction identification number assigned by the originator of this transaction. This number must be unique over time.	
			Invoice Numbers will only contain uppercase letters (A to Z), digits (0 to 9), dashes (-) and periods (.). Note that all other characters (spaces, underscores, etc.) must be excluded.	
Must Use	BIG07	640	Transaction Type Code	O ID 2/2
			Code specifying the type of transaction	
			FE Memorandum, Final Bill	
			Designates a final bill for the customer for the specified RES.	
			ME Memorandum	
			Regular Bill	
Must Use	BIG08	353	Transaction Set Purpose Code	O ID 2/2
			Code identifying purpose of transaction set	
			In the SBO Model, a cancel invoice cannot be sent. Instead the Utility will send a corrected bill using BIG08 = "05" - Replace.	
			00 Original	
			05 Replace	
			This invoice replaces a prior invoice (no cancel 810 will be sent).	

Segment: **NTE** Note/Special Instruction
Position: 030
Loop:
Level: Heading
Usage: Optional
Max Use: 100
Purpose: To transmit information in a free-form format, if necessary, for comment or special instruction

Syntax Notes:

Semantic Notes:

Comments: 1 The NTE segment permits free-form information/data which, under ANSI X12 standard implementations, is not machine processable. The use of the NTE segment should therefore be avoided, if at all possible, in an automated environment.

Notes: Ameren: Optional - NTE segments will be printed on the bill in the order sent and should end with a complete word. The RES will insert a single space between each NTE segment.

ComEd: Not Used - ComEd provides their bill messages in an IT1 "MESSAGE" Loop.
 NTE~ADD~Visit AmerenIllinois.com to view bill inserts which contain useful and|
 NTE~ADD~important information about ways to save energy and safety around|
 NTE~ADD~electricity and natural gas.|

Data Element Summary

	<u>Ref. Des.</u>	<u>Data Element</u>	<u>Name</u>	<u>Attributes</u>
Must Use	NTE01	363	Note Reference Code Code identifying the functional area or purpose for which the note applies ADD Additional Information	O ID 3/3
Must Use	NTE02	352	Description A free-form description to clarify the related data elements and their content Utility Bill Messages	M AN 1/80

Segment: **REF** Reference Identification (RES Account Number)
Position: 050
Loop:
Level: Heading
Usage: Optional
Max Use: 12
Purpose: To specify identifying information
Syntax Notes:

- 1 At least one of REF02 or REF03 is required.
- 2 If either C04003 or C04004 is present, then the other is required.
- 3 If either C04005 or C04006 is present, then the other is required.

Semantic Notes:

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

Comments:
Notes: Optional
REF~11~1234567890

Data Element Summary

	<u>Ref. Des.</u>	<u>Data Element</u>	<u>Name</u>	<u>Attributes</u>
Must Use	REF01	128	Reference Identification Qualifier Code qualifying the Reference Identification 11 Account Number RES Account Number	M ID 2/3
Must Use	REF02	127	Reference Identification Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier RES Account Number	X AN 1/30

Segment: **REF** Reference Identification (Utility Account Number)
Position: 050
Loop:
Level: Heading
Usage: Optional
Max Use: 12
Purpose: To specify identifying information
Syntax Notes:

- 1 At least one of REF02 or REF03 is required.
- 2 If either C04003 or C04004 is present, then the other is required.
- 3 If either C04005 or C04006 is present, then the other is required.

Semantic Notes:

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

Comments:
Notes: Required - Both utilities currently have 10 digit account numbers. All 10 digits, including leading zeros, must be provided.
REF~12~0000445648

Data Element Summary

	<u>Ref. Des.</u>	<u>Data Element</u>	<u>Name</u>	<u>Attributes</u>
Must Use	REF01	128	Reference Identification Qualifier	M ID 2/3
			Code qualifying the Reference Identification	
			12 Billing Account	
			Utility Account Number	
Must Use	REF02	127	Reference Identification	X AN 1/30
			Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier	
			Utility Account Number	

Segment: **REF** Reference Identification (Bill Presenter)
Position: 050
Loop:
Level: Heading
Usage: Optional
Max Use: 12
Purpose: To specify identifying information
Syntax Notes:

- 1 At least one of REF02 or REF03 is required.
- 2 If either C04003 or C04004 is present, then the other is required.
- 3 If either C04005 or C04006 is present, then the other is required.

Semantic Notes:

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

Comments:
Notes: Required
REF~BLT~ESP

Data Element Summary

	<u>Ref. Des.</u>	<u>Data Element</u>	<u>Name</u>	<u>Attributes</u>
Must Use	REF01	128	Reference Identification Qualifier Code qualifying the Reference Identification BLT Billing Type Bill Presenter	M ID 2/3
Must Use	REF02	127	Reference Identification Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier ESP RES Presents the Consolidated Bill to the Customer	X AN 1/30

Segment: **REF** Reference Identification (Cross Reference Number)
Position: 050
Loop:
Level: Heading
Usage: Optional
Max Use: 12
Purpose: To specify identifying information
Syntax Notes:

- 1 At least one of REF02 or REF03 is required.
- 2 If either C04003 or C04004 is present, then the other is required.
- 3 If either C04005 or C04006 is present, then the other is required.

Semantic Notes:

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

Comments:
Notes: Ameren: Not Used
 ComEd: Optional, provided if available. For dual service accounts (accounts with electric and lighting service) ComEd will send one 867 for each service. This segment may be repeated to include all 867 Cross Reference Numbers related to this 810 SBO Invoice.
 REF~6O~2011-09-09-19-43.49-564000

Data Element Summary

	<u>Ref. Des.</u>	<u>Data Element</u>	<u>Name</u>	<u>Attributes</u>
Must Use	REF01	128	Reference Identification Qualifier Code qualifying the Reference Identification 60 Cross Reference Number	M ID 2/3
Must Use	REF02	127	Reference Identification Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier Cross Reference Number	X AN 1/30

Segment: **N1** Name (Utility)
Position: 070
Loop: N1 Optional
Level: Heading
Usage: Optional
Max Use: 1
Purpose: To identify a party by type of organization, name, and code
Syntax Notes:

- 1 At least one of N102 or N103 is required.
- 2 If either N103 or N104 is present, then the other is required.

Semantic Notes:
Comments:

- 1 This segment, used alone, provides the most efficient method of providing organizational identification. To obtain this efficiency the "ID Code" (N104) must provide a key to the table maintained by the transaction processing party.
- 2 N105 and N106 further define the type of entity in N101.

Notes: Required
N1~8S~AMEREN ILLINOIS~1~006936017
N1~8S~COMMONWEALTH EDISON CO~1~159988406

Data Element Summary

	<u>Ref. Des.</u>	<u>Data Element</u>	<u>Name</u>	<u>Attributes</u>
Must Use	N101	98	Entity Identifier Code Code identifying an organizational entity, a physical location, property or an individual 8S Consumer Service Provider (CSP) Utility	M ID 2/3
Must Use	N102	93	Name Free-form name Utility Name	X AN 1/60
Must Use	N103	66	Identification Code Qualifier Code designating the system/method of code structure used for Identification Code (67) 1 D-U-N-S Number, Dun & Bradstreet 9 D-U-N-S+4, D-U-N-S Number with Four Character Suffix	X ID 1/2
Must Use	N104	67	Identification Code Code identifying a party or other code Utility D-U-N-S or D-U-N-S+4 Number	X AN 2/80

Segment: N3 Address Information
Position: 090
Loop: N1 Optional
Level: Heading
Usage: Optional
Max Use: 2
Purpose: To specify the location of the named party
Syntax Notes:
Semantic Notes:
Comments:

Notes: Ameren: Optional
 ComEd: Not Used
 N3~P.O. Box 66884

Data Element Summary

	Ref. Des.	Data Element	Name	Attributes
Must Use	N301	166	Address Information Address information	M AN 1/55
	N302	166	Address Information Address information	O AN 1/55

Segment: **N4 Geographic Location**
Position: 100
Loop: N1 Optional
Level: Heading
Usage: Optional
Max Use: 1
Purpose: To specify the geographic place of the named party
Syntax Notes: 1 If N406 is present, then N405 is required.
Semantic Notes:
Comments: 1 A combination of either N401 through N404, or N405 and N406 may be adequate to specify a location.
2 N402 is required only if city name (N401) is in the U.S. or Canada.
Notes: Ameren: Optional
ComEd: Not Used
N4~St. Louis~MO~63166

Data Element Summary

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

Segment: **N1** Name (Retail Electric Supplier)
Position: 070
Loop: N1 Optional
Level: Heading
Usage: Optional
Max Use: 1
Purpose: To identify a party by type of organization, name, and code
Syntax Notes: 1 At least one of N102 or N103 is required.
 2 If either N103 or N104 is present, then the other is required.
Semantic Notes:
Comments: 1 This segment, used alone, provides the most efficient method of providing organizational identification. To obtain this efficiency the "ID Code" (N104) must provide a key to the table maintained by the transaction processing party.
 2 N105 and N106 further define the type of entity in N101.
Notes: Required
 N1~SJ~RES COMPANY~1~049612345

Data Element Summary

	<u>Ref. Des.</u>	<u>Data Element</u>	<u>Name</u>	<u>Attributes</u>
Must Use	N101	98	Entity Identifier Code Code identifying an organizational entity, a physical location, property or an individual SJ Service Provider Retail Electric Supplier (RES)	M ID 2/3
Must Use	N102	93	Name Free-form name RES Name	X AN 1/60
Must Use	N103	66	Identification Code Qualifier Code designating the system/method of code structure used for Identification Code (67) 1 D-U-N-S Number, Dun & Bradstreet 9 D-U-N-S+4, D-U-N-S Number with Four Character Suffix	X ID 1/2
Must Use	N104	67	Identification Code Code identifying a party or other code RES D-U-N-S or D-U-N-S+4 Number	X AN 2/80

Segment: **N1** Name (Customer)
Position: 070
Loop: N1 Optional
Level: Heading
Usage: Optional
Max Use: 1
Purpose: To identify a party by type of organization, name, and code
Syntax Notes:

- 1 At least one of N102 or N103 is required.
- 2 If either N103 or N104 is present, then the other is required.

Semantic Notes:
Comments:

- 1 This segment, used alone, provides the most efficient method of providing organizational identification. To obtain this efficiency the "ID Code" (N104) must provide a key to the table maintained by the transaction processing party.
- 2 N105 and N106 further define the type of entity in N101.

Notes: Required
N1~8R~CUSTOMER NAME

Data Element Summary

	<u>Ref. Des.</u>	<u>Data Element</u>	<u>Name</u>	<u>Attributes</u>
Must Use	N101	98	Entity Identifier Code Code identifying an organizational entity, a physical location, property or an individual 8R	M ID 2/3 Consumer Service Provider (CSP) Customer Customer Name
Must Use	N102	93	Name Free-form name Customer Name	X AN 1/60

Segment: **ITD** Terms of Sale/Deferred Terms of Sale
Position: 130
Loop:
Level: Heading
Usage: Optional
Max Use: >1
Purpose: To specify terms of sale
Syntax Notes:

- 1 If ITD03 is present, then at least one of ITD04 ITD05 or ITD13 is required.
- 2 If ITD08 is present, then at least one of ITD04 ITD05 or ITD13 is required.
- 3 If ITD09 is present, then at least one of ITD10 or ITD11 is required.

Semantic Notes:

- 1 ITD15 is the percentage applied to a base amount used to determine a late payment charge.

Comments:

- 1 If the code in ITD01 is "04", then ITD07 or ITD09 is required and either ITD10 or ITD11 is required; if the code in ITD01 is "05", then ITD06 or ITD07 is required.

Notes: Required
ITD~~~~~20111225

Data Element Summary

Ref.	Data		
<u>Des.</u>	<u>Element</u>	<u>Name</u>	<u>Attributes</u>
Must Use	ITD06	446 Terms Net Due Date	O DT 8/8
		Date when total invoice amount becomes due expressed in format CCYYMMDD	
		Payment Due Date for the Customer	

Segment: **BAL** Balance Detail (Balance Prior to Current Period Charges)
Position: 212
Loop:
Level: Heading
Usage: Optional
Max Use: >1
Purpose: To identify the specific monetary balances associated with a particular account
Syntax Notes:
Semantic Notes:
Comments:

Notes:
 Ameren: Optional
 ComEd: Not Used
 BAL~M~J9~693.86
 BAL~M~J9~-100

Data Element Summary

	<u>Ref.</u> <u>Des.</u>	<u>Data</u> <u>Element</u>	<u>Name</u>	<u>Attributes</u>
Must Use	BAL01	951	Balance Type Code Code indicating the type of balance M Current Month	M ID 1/2
Must Use	BAL02	522	Amount Qualifier Code Code to qualify amount J9 Beginning Balance	M ID 1/3
Must Use	BAL03	782	Monetary Amount Monetary amount Balance Prior to Current Period Charges	M R 1/18

Segment: **BAL** Balance Detail (Total Amount Due Including Prior Period Unpaid Charges)
Position: 212
Loop:
Level: Heading
Usage: Optional
Max Use: >1
Purpose: To identify the specific monetary balances associated with a particular account
Syntax Notes:
Semantic Notes:
Comments:

Notes: Ameren: Required if balance is not zero.
 ComEd: Required - Prior period unpaid charges include unpaid budget billing amounts.
 BAL~M~YB~100.5

Data Element Summary

	<u>Ref. Des.</u>	<u>Data Element</u>	<u>Name</u>	<u>Attributes</u>
Must Use	BAL01	951	Balance Type Code Code indicating the type of balance M Current Month	M ID 1/2
Must Use	BAL02	522	Amount Qualifier Code Code to qualify amount YB Actual Unpaid Principal Balance	M ID 1/3
Must Use	BAL03	782	Monetary Amount Monetary amount	M R 1/18
Total Amount Due Including Prior Period Unpaid Charges				

Segment: **INC** **Installment Information (Payment Plan)**
Position: 213
Loop:
Level: Heading
Usage: Optional
Max Use: 1
Purpose: To specify installment billing arrangement
Syntax Notes:
Semantic Notes:

- 1 INC02 is the installment period (e.g., months).
- 2 INC03 is the total number of installments.
- 3 INC04 is the number of the current installment.
- 4 INC05 is the installment balance after the current installment is applied.

Comments:
Notes:

Ameren: Not Used
 ComEd: Required if Customer is on a Payment Plan
 INC~04~MO~1~4~58.81

Data Element Summary

	<u>Ref.</u> <u>Des.</u>	<u>Data</u> <u>Element</u>	<u>Name</u>	<u>Attributes</u>
Must Use	INC01	336	Terms Type Code Code identifying type of payment terms 04 Deferred or Installment	M ID 2/2
Must Use	INC02	C001	Composite Unit of Measure To identify a composite unit of measure (See Figures Appendix for examples of use)	M
Must Use	C00101	355	Unit or Basis for Measurement Code Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken MO Months	M ID 2/2
Must Use	INC03	380	Quantity Numeric value of quantity This will always contain a "1".	M R 1/15
Must Use	INC04	380	Quantity Numeric value of quantity Total Number of Remaining Installments	M R 1/15
Must Use	INC05	782	Monetary Amount Monetary amount Payment Plan Balance - The Current Payment Plan Amount appears on the ComEd customer bill under "Other Charges".	M R 1/18

Segment: **IT1** **Baseline Item Data (Meter/Unmet/Meter Information)**

Position: 010
Loop: IT1 Optional
Level: Detail
Usage: Optional
Max Use: 1
Purpose: To specify the basic and most frequently used line item data for the invoice and related transactions

- Syntax Notes:**
- 1 If any of IT102 IT103 or IT104 is present, then all are required.
 - 2 If either IT106 or IT107 is present, then the other is required.
 - 3 If either IT108 or IT109 is present, then the other is required.
 - 4 If either IT110 or IT111 is present, then the other is required.
 - 5 If either IT112 or IT113 is present, then the other is required.
 - 6 If either IT114 or IT115 is present, then the other is required.
 - 7 If either IT116 or IT117 is present, then the other is required.
 - 8 If either IT118 or IT119 is present, then the other is required.
 - 9 If either IT120 or IT121 is present, then the other is required.
 - 10 If either IT122 or IT123 is present, then the other is required.
 - 11 If either IT124 or IT125 is present, then the other is required.

Semantic Notes: 1 IT101 is the purchase order line item identification.

Comments: 1 Element 235/234 combinations should be interpreted to include products and/or services. See the Data Dictionary for a complete list of IDs.

2 IT106 through IT125 provide for ten different product/service IDs for each item. For example: Case, Color, Drawing No., U.P.C. No., ISBN No., Model No., or SKU.

Notes: Ameren: Required - One Meter/Meter Information Loop where IT109 = METER will be sent for each type of usage (e.g., Total kWh, On Peak kW) for each Service Point Identifier. A loop where IT109 = UNMET will be sent for unmetered services.

ComEd: Required - One Meter/Meter Information Loop where IT109 = METER INFORMATION will be sent for each type of usage (e.g., Total kWh, On Peak kW). A Meter/Meter Information loop will be provided for unmetered usage (lighting). Note that for exchanged meters, the DTM 151 end date in the Meter Information loop is different from the bill period end date.

Ameren Sample IT1 METER Loop:

```
IT1*001*****SV*ELECTRIC*C3*METER  
MEA*AA*UG*3600*KH*673*678*51  
MEA**MU*720  
REF*MG*12222111  
REF*NH*D03*Total kWh  
REF*LU*12345678  
DTM*150*20110811  
DTM*151*20110909
```

Ameren Sample IT1 UNMET Loop:

```
IT1*001*****SV*ELECTRIC*C3*UNMET  
MEA*AA*UG*983*KH*5800*6783*51  
REF*NH*B12*Total kWh  
REF*LU*13221328  
DTM*150*20110812  
DTM*151*20110913
```

ComEd Sample IT1 METER INFORMATION Loop:

```
IT1~000000001~~~~~SV~ELECTRIC~C3~METER INFORMATION  
MEA~AA~UG~1666~KH~30860~32526  
MEA~~MU~1  
REF~MG~333344449  
REF~QY~~General Service  
REF~KK~~Total kWh  
DTM~151~20110927
```

Data Element Summary

Ref. Data
Des. Element Name

Attributes

Must Use	IT101	350	Assigned Identification Alphanumeric characters assigned for differentiation within a transaction set Sequential Line Item Counter	O	AN 1/20
Must Use	IT106	235	Product/Service ID Qualifier Code identifying the type/source of the descriptive number used in Product/Service ID (234) SV Service Rendered	X	ID 2/2
Must Use	IT107	234	Product/Service ID Identifying number for a product or service ELECTRIC	X	AN 1/48
Must Use	IT108	235	Product/Service ID Qualifier Code identifying the type/source of the descriptive number used in Product/Service ID (234) C3 Classification	X	ID 2/2
Must Use	IT109	234	Product/Service ID Identifying number for a product or service Ameren: METER or UNMET ComEd: METER INFORMATION	X	AN 1/48

Segment: MEA Measurements (Consumption)**Position:** 059**Loop:** IT1 Optional**Level:** Detail**Usage:** Optional**Max Use:** 40**Purpose:** To specify physical measurements or counts, including dimensions, tolerances, variances, and weights (See Figures Appendix for example of use of C001)**Syntax Notes:** 1 At least one of MEA03 MEA05 MEA06 or MEA08 is required.

2 If MEA05 is present, then MEA04 is required.

3 If MEA06 is present, then MEA04 is required.

4 If MEA07 is present, then at least one of MEA03 MEA05 or MEA06 is required.

5 Only one of MEA08 or MEA03 may be present.

Semantic Notes: 1 MEA04 defines the unit of measure for MEA03, MEA05, and MEA06.**Comments:** 1 When citing dimensional tolerances, any measurement requiring a sign (+ or -), or any measurement where a positive (+) value cannot be assumed, use MEA05 as the negative (-) value and MEA06 as the positive (+) value.**Notes:** Required

MEA~AA~UG~400~KH~12250~12450~51 (Example uses meter multiplier of 2)

MEA~EE~UG~0~KH~37~37~51

MEA~AA~UG~.01~K1~29.4~29.41

MEA~AA~UG~20~K1

Data Element Summary

	<u>Ref. Des.</u>	<u>Data Element</u>	<u>Name</u>	<u>Attributes</u>
Must Use	MEA01	737	Measurement Reference ID Code Code identifying the broad category to which a measurement applies AA Meter reading-beginning actual/ending actual AE Meter reading-beginning actual/ending estimated AF Actual Total EA Meter reading-beginning estimated/ending actual EE Meter reading-beginning estimated/ending estimated	O ID 2/2
Must Use	MEA02	738	Measurement Qualifier Code identifying a specific product or process characteristic to which a measurement applies UG Usage	O ID 1/3
Must Use	MEA03	739	Measurement Value The value of the measurement Represents quantity of consumption delivered for service period. Contains the difference in the meter readings (or as measured by the meter) multiplied by the Meter Constant.	X R 1/20
	MEA04	C001	Composite Unit of Measure To identify a composite unit of measure (See Figures Appendix for examples of use)	X
Must Use	C00101	355	Unit or Basis for Measurement Code Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken K1 Kilowatt Demand kW K3 Kilovolt Amperes Reactive Hour kVARH KH Kilowatt Hour kWh	M ID 2/2
	MEA05	740	Range Minimum The value specifying the minimum of the measurement range Beginning Reading	X R 1/20
	MEA06	741	Range Maximum	X R 1/20

Dep	MEA07	935	The value specifying the maximum of the measurement range	
			Ending Reading or Single Reading (i.e., Demand)	
			Measurement Significance Code	O ID 2/2
			Code used to benchmark, qualify or further define a measurement value	
			Ameren: Required	
			ComEd: Not Used	
			41	Off Peak
			42	On Peak
			51	Total

Segment: **MEA** Measurements (Meter Constant)

Position: 059

Loop: IT1 Optional

Level: Detail

Usage: Optional

Max Use: 40

Purpose: To specify physical measurements or counts, including dimensions, tolerances, variances, and weights (See Figures Appendix for example of use of C001)

Syntax Notes: 1 At least one of MEA03 MEA05 MEA06 or MEA08 is required.

2 If MEA05 is present, then MEA04 is required.

3 If MEA06 is present, then MEA04 is required.

4 If MEA07 is present, then at least one of MEA03 MEA05 or MEA06 is required.

5 Only one of MEA08 or MEA03 may be present.

Semantic Notes: 1 MEA04 defines the unit of measure for MEA03, MEA05, and MEA06.

Comments: 1 When citing dimensional tolerances, any measurement requiring a sign (+ or -), or any measurement where a positive (+) value cannot be assumed, use MEA05 as the negative (-) value and MEA06 as the positive (+) value.

Notes: Required if greater than 1.

MEA~~MU~1

MEA~~MU~160

Data Element Summary

	<u>Ref.</u> <u>Des.</u>	<u>Data</u> <u>Element</u>	<u>Name</u>	<u>Attributes</u>
Must Use	MEA02	738	Measurement Qualifier Code identifying a specific product or process characteristic to which a measurement applies MU Multiplier	O ID 1/3
Must Use	MEA03	739	Measurement Value The value of the measurement Meter Constant	X R 1/20

Segment: **MEA** Measurements (Transformer Loss Adjustment)

Position: 059

Loop: IT1 Optional

Level: Detail

Usage: Optional

Max Use: 40

Purpose: To specify physical measurements or counts, including dimensions, tolerances, variances, and weights (See Figures Appendix for example of use of C001)

Syntax Notes: 1 At least one of MEA03 MEA05 MEA06 or MEA08 is required.

2 If MEA05 is present, then MEA04 is required.

3 If MEA06 is present, then MEA04 is required.

4 If MEA07 is present, then at least one of MEA03 MEA05 or MEA06 is required.

5 Only one of MEA08 or MEA03 may be present.

Semantic Notes: 1 MEA04 defines the unit of measure for MEA03, MEA05, and MEA06.

Comments: 1 When citing dimensional tolerances, any measurement requiring a sign (+ or -), or any measurement where a positive (+) value cannot be assumed, use MEA05 as the negative (-) value and MEA06 as the positive (+) value.

Notes: ComEd: Not Used

Ameren: Required when the supply voltage is different than the delivery voltage. Transformer Loss Adjustment will only be shown on the 810 for non-interval meters. For interval meters, the adjustment is automatically applied to the stated usage.

MEA~~CO~493.2~KH

MEA~~CO~4.6032~K1

Data Element Summary

	<u>Ref.</u>	<u>Data</u>	<u>Attributes</u>
	<u>Des.</u>	<u>Element</u> <u>Name</u>	
Must Use	MEA02	738 Measurement Qualifier	O ID 1/3
		Code identifying a specific product or process characteristic to which a measurement applies	
		CO Core Loss	
		Transformer Loss Adjustment	
Must Use	MEA03	739 Measurement Value	X R 1/20
		The value of the measurement	
		Transformer Loss Adjustment	
	MEA04	C001 Composite Unit of Measure	X
		To identify a composite unit of measure (See Figures Appendix for examples of use)	
Must Use	C00101	355 Unit or Basis for Measurement Code	M ID 2/2
		Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken	
		K1 Kilowatt Demand	
		KH Kilowatt Hour	

Segment: **REF** Reference Identification (Type of Usage)
Position: 120
Loop: IT1 Optional
Level: Detail
Usage: Optional
Max Use: >1
Purpose: To specify identifying information
Syntax Notes:

- 1 At least one of REF02 or REF03 is required.
- 2 If either C04003 or C04004 is present, then the other is required.
- 3 If either C04005 or C04006 is present, then the other is required.

Semantic Notes:

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

Comments:
Notes: Ameren: Not Used
 ComEd: Required
 REF~KK~~On Pk kW

Data Element Summary

	<u>Ref. Des.</u>	<u>Data Element</u>	<u>Name</u>	<u>Attributes</u>
Must Use	REF01	128	Reference Identification Qualifier Code qualifying the Reference Identification KK Delivery Reference Type of Usage	M ID 2/3
Must Use	REF03	352	Description A free-form description to clarify the related data elements and their content Type of Usage	X AN 1/80

Segment: **REF** Reference Identification (Service Point Identifier)
Position: 120
Loop: IT1 Optional
Level: Detail
Usage: Optional
Max Use: >1
Purpose: To specify identifying information
Syntax Notes:

- 1 At least one of REF02 or REF03 is required.
- 2 If either C04003 or C04004 is present, then the other is required.
- 3 If either C04005 or C04006 is present, then the other is required.

Semantic Notes:

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

Comments:
Notes: Ameren: Required
ComEd: Not Used
REF~LU~00891200

Data Element Summary

	<u>Ref. Des.</u>	<u>Data Element</u>	<u>Name</u>	<u>Attributes</u>
Must Use	REF01	128	Reference Identification Qualifier Code qualifying the Reference Identification LU Location Number Service Point Identifier	M ID 2/3
Must Use	REF02	127	Reference Identification Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier Service Point Identifier	X AN 1/30

Segment: **REF** Reference Identification (Meter Number)
Position: 120
Loop: IT1 Optional
Level: Detail
Usage: Optional
Max Use: >1
Purpose: To specify identifying information
Syntax Notes:

- 1 At least one of REF02 or REF03 is required.
- 2 If either C04003 or C04004 is present, then the other is required.
- 3 If either C04005 or C04006 is present, then the other is required.

Semantic Notes:

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

Comments:
Notes: Ameren: Required for METER Loop, Not Used for UNMET Loop
 ComEd: Required
 REF~MG~141626000

Data Element Summary

	<u>Ref. Des.</u>	<u>Data Element</u>	<u>Name</u>	<u>Attributes</u>
Must Use	REF01	128	Reference Identification Qualifier Code qualifying the Reference Identification MG Meter Number	M ID 2/3
Must Use	REF02	127	Reference Identification Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier Meter Number	X AN 1/30

Segment: REF Reference Identification (Utility Rate Class and Type of Usage)
Position: 120
Loop: IT1 Optional
Level: Detail
Usage: Optional
Max Use: >1
Purpose: To specify identifying information
Syntax Notes:

- 1 At least one of REF02 or REF03 is required.
- 2 If either C04003 or C04004 is present, then the other is required.
- 3 If either C04005 or C04006 is present, then the other is required.

Semantic Notes:

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

Comments:
Notes: Ameren: Required
 ComEd: Not Used
 REF~NH~C02~Total kWh

Data Element Summary

	<u>Ref. Des.</u>	<u>Data Element</u>	<u>Name</u>	<u>Attributes</u>
Must Use	REF01	128	Reference Identification Qualifier Code qualifying the Reference Identification NH Rate Card Number Utility Rate Class	M ID 2/3
Must Use	REF02	127	Reference Identification Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier Utility Rate Class	X AN 1/30
Must Use	REF03	352	Description A free-form description to clarify the related data elements and their content Type of Usage	X AN 1/80

Segment: **REF** Reference Identification (Meter Load Type)
Position: 120
Loop: IT1 Optional
Level: Detail
Usage: Optional
Max Use: >1
Purpose: To specify identifying information
Syntax Notes:

- 1 At least one of REF02 or REF03 is required.
- 2 If either C04003 or C04004 is present, then the other is required.
- 3 If either C04005 or C04006 is present, then the other is required.

Semantic Notes:

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

Comments:
Notes: Ameren: Not Used
 ComEd: Required
 REF~QY~~General Service

Data Element Summary

	<u>Ref. Des.</u>	<u>Data Element</u>	<u>Name</u>	<u>Attributes</u>
Must Use	REF01	128	Reference Identification Qualifier Code qualifying the Reference Identification QY Service Performed Code Meter Load Type	M ID 2/3
Must Use	REF03	352	Description A free-form description to clarify the related data elements and their content Meter Load Type	X AN 1/80

Segment: **DTM** Date/Time Reference (Service Period Start Date)
Position: 150
Loop: IT1 Optional
Level: Detail
Usage: Optional
Max Use: 10
Purpose: To specify pertinent dates and times
Syntax Notes:

- 1 At least one of DTM02 DTM03 or DTM05 is required.
- 2 If DTM04 is present, then DTM03 is required.
- 3 If either DTM05 or DTM06 is present, then the other is required.

Semantic Notes:

Comments:

Notes:

Ameren: Required - The full service period must match the dates in the PTD~SU Loops of the corresponding 867 Monthly Usage or 867 Monthly Interval Usage transaction.
 ComEd: Not Used - Only the DTM Service Period End Date is provided in the Meter Information IT1 loop
 DTM~150~20111115

Data Element Summary

	<u>Ref.</u> <u>Des.</u>	<u>Data</u> <u>Element</u>	<u>Name</u>	<u>Attributes</u>
Must Use	DTM01	374	Date/Time Qualifier Code specifying type of date or time, or both date and time 150 Service Period Start	M ID 3/3
Must Use	DTM02	373	Date Date expressed as CCYYMMDD Service Period Start Date	X DT 8/8

Segment: **DTM** Date/Time Reference (Service Period End Date)
Position: 150
Loop: IT1 Optional
Level: Detail
Usage: Optional
Max Use: 10
Purpose: To specify pertinent dates and times
Syntax Notes:

- 1 At least one of DTM02 DTM03 or DTM05 is required.
- 2 If DTM04 is present, then DTM03 is required.
- 3 If either DTM05 or DTM06 is present, then the other is required.

Semantic Notes:

Comments:

Notes:

Ameren: Required - The full service period must match the dates in the PTD~SU Loops of the corresponding 867 Monthly Usage or 867 Monthly Interval Usage transaction.
 ComEd: Required - Only the DTM Service Period End Date is provided in the Meter Information IT1 loop.
 DTM~151~20111215

Data Element Summary

	<u>Ref. Des.</u>	<u>Data Element</u>	<u>Name</u>	<u>Attributes</u>
Must Use	DTM01	374	Date/Time Qualifier Code specifying type of date or time, or both date and time 151 Service Period End	M ID 3/3
Must Use	DTM02	373	Date Date expressed as CCYYMMDD Service Period End Date	X DT 8/8

Segment: **IT1** **Baseline Item Data (ComEd: Lighting Information)**

Position: 010
Loop: IT1 Optional
Level: Detail
Usage: Optional
Max Use: 1
Purpose: To specify the basic and most frequently used line item data for the invoice and related transactions

- Syntax Notes:**
- 1 If any of IT102 IT103 or IT104 is present, then all are required.
 - 2 If either IT106 or IT107 is present, then the other is required.
 - 3 If either IT108 or IT109 is present, then the other is required.
 - 4 If either IT110 or IT111 is present, then the other is required.
 - 5 If either IT112 or IT113 is present, then the other is required.
 - 6 If either IT114 or IT115 is present, then the other is required.
 - 7 If either IT116 or IT117 is present, then the other is required.
 - 8 If either IT118 or IT119 is present, then the other is required.
 - 9 If either IT120 or IT121 is present, then the other is required.
 - 10 If either IT122 or IT123 is present, then the other is required.
 - 11 If either IT124 or IT125 is present, then the other is required.

Semantic Notes: 1 IT101 is the purchase order line item identification.

- Comments:**
- 1 Element 235/234 combinations should be interpreted to include products and/or services. See the Data Dictionary for a complete list of IDs.
 - 2 IT106 through IT125 provide for ten different product/service IDs for each item. For example: Case, Color, Drawing No., U.P.C. No., ISBN No., Model No., or SKU.

Notes: Ameren: Not Used
 ComEd: Optional to send Bill Messages. The RES is expected to print these bill messages on the customer's bill in the order they are received.
 ComEd Sample IT1 LIGHTING Loop:
 IT1~000000003~~~~SV~ELECTRIC~C3~LIGHTING INFORMATION
 SLN~000000001~~A
 SAC~N~~EU~LIGHT~~~~EA~2~~~~400W/21500 Lum MVPAL
 SLN~000000002~~A
 SAC~N~~EU~LIGHT~~~~EA~7~~~~250 W/30000 HPS Fld

Data Element Summary

	<u>Ref. Des.</u>	<u>Data Element</u>	<u>Name</u>	<u>Attributes</u>
Must Use	IT101	350	Assigned Identification Alphanumeric characters assigned for differentiation within a transaction set Sequential Line Item Counter	O AN 1/20
Must Use	IT106	235	Product/Service ID Qualifier Code identifying the type/source of the descriptive number used in Product/Service ID (234) SV Service Rendered	X ID 2/2
Must Use	IT107	234	Product/Service ID Identifying number for a product or service ELECTRIC	X AN 1/48
Must Use	IT108	235	Product/Service ID Qualifier Code identifying the type/source of the descriptive number used in Product/Service ID (234) C3 Classification	X ID 2/2
Must Use	IT109	234	Product/Service ID Identifying number for a product or service LIGHTING INFORMATION	X AN 1/48

Segment:	SLN Subline Item Detail
Position:	200
Loop:	SLN Optional
Level:	Detail
Usage:	Optional
Max Use:	1
Purpose:	To specify product subline detail item data
Syntax Notes:	<ol style="list-style-type: none"> 1 If either SLN04 or SLN05 is present, then the other is required. 2 If SLN07 is present, then SLN06 is required. 3 If SLN08 is present, then SLN06 is required. 4 If either SLN09 or SLN10 is present, then the other is required. 5 If either SLN11 or SLN12 is present, then the other is required. 6 If either SLN13 or SLN14 is present, then the other is required. 7 If either SLN15 or SLN16 is present, then the other is required. 8 If either SLN17 or SLN18 is present, then the other is required. 9 If either SLN19 or SLN20 is present, then the other is required. 10 If either SLN21 or SLN22 is present, then the other is required. 11 If either SLN23 or SLN24 is present, then the other is required. 12 If either SLN25 or SLN26 is present, then the other is required. 13 If either SLN27 or SLN28 is present, then the other is required.
Semantic Notes:	<ol style="list-style-type: none"> 1 SLN01 is the identifying number for the subline item. 2 SLN02 is the identifying number for the subline level. The subline level is analogous to the level code used in a bill of materials. 3 SLN03 is the configuration code indicating the relationship of the subline item to the baseline item. 4 SLN08 is a code indicating the relationship of the price or amount to the associated segment.
Comments:	<ol style="list-style-type: none"> 1 See the Data Element Dictionary for a complete list of IDs. 2 SLN01 is related to (but not necessarily equivalent to) the baseline item number. Example: 1.1 or 1A might be used as a subline number to relate to baseline number 1. 3 SLN09 through SLN28 provide for ten different product/service IDs for each item. For example: Case, Color, Drawing No., U.P.C. No., ISBN No., Model No., or SKU.
Notes:	Ameren: Not Used ComEd: Required for LIGHTING INFORMATION Loop SLN~00000001~~A

Data Element Summary

	<u>Ref.</u> <u>Des.</u>	<u>Data</u> <u>Element</u>	<u>Name</u>	<u>Attributes</u>
Must Use	SLN01	350	Assigned Identification Alphanumeric characters assigned for differentiation within a transaction set Sequential Line Item Counter	M AN 1/20
Must Use	SLN03	662	Relationship Code Code indicating the relationship between entities A Add	M ID 1/1

Segment: SAC Service, Promotion, Allowance, or Charge Information

Position: 230

Loop: SLN Optional

Level: Detail

Usage: Optional

Max Use: 25

Purpose: To request or identify a service, promotion, allowance, or charge; to specify the amount or percentage for the service, promotion, allowance, or charge

- Syntax Notes:**
- 1 At least one of SAC02 or SAC03 is required.
 - 2 If either SAC03 or SAC04 is present, then the other is required.
 - 3 If either SAC06 or SAC07 is present, then the other is required.
 - 4 If either SAC09 or SAC10 is present, then the other is required.
 - 5 If SAC11 is present, then SAC10 is required.
 - 6 If SAC13 is present, then at least one of SAC02 or SAC04 is required.
 - 7 If SAC14 is present, then SAC13 is required.
 - 8 If SAC16 is present, then SAC15 is required.

- Semantic Notes:**
- 1 If SAC01 is "A" or "C", then at least one of SAC05, SAC07, or SAC08 is required.
 - 2 SAC05 is the total amount for the service, promotion, allowance, or charge. If SAC05 is present with SAC07 or SAC08, then SAC05 takes precedence.
 - 3 SAC08 is the allowance or charge rate per unit.
 - 4 SAC10 and SAC11 is the quantity basis when the allowance or charge quantity is different from the purchase order or invoice quantity. SAC10 and SAC11 used together indicate a quantity range, which could be a dollar amount, that is applicable to service, promotion, allowance, or charge.
 - 5 SAC13 is used in conjunction with SAC02 or SAC04 to provide a specific reference number as identified by the code used.
 - 6 SAC14 is used in conjunction with SAC13 to identify an option when there is more than one option of the promotion.
 - 7 SAC16 is used to identify the language being used in SAC15.

- Comments:**
- 1 SAC04 may be used to uniquely identify the service, promotion, allowance, or charge. In addition, it may be used in conjunction to further the code in SAC02.
 - 2 In some business applications, it is necessary to advise the trading partner of the actual dollar amount that a particular allowance, charge, or promotion was based on to reduce ambiguity. This amount is commonly referred to as "Dollar Basis Amount". It is represented in the SAC segment in SAC10 using the qualifier "DO" - Dollars in SAC09.

Notes: Ameren: Not Used
ComEd: Required for LIGHTING INFORMATION Loop
SAC~N~~EU~LIGHT~~~~EA~12~~~~175 W/8600 Lum M V

Data Element Summary

	<u>Ref. Des.</u>	<u>Data Element</u>	<u>Name</u>	<u>Attributes</u>
Must Use	SAC01	248	Allowance or Charge Indicator Code which indicates an allowance or charge for the service specified N No Allowance or Charge	M ID 1/1
Must Use	SAC03	559	Agency Qualifier Code Code identifying the agency assigning the code values EU Electric Utilities	X ID 2/2
Must Use	SAC04	1301	Agency Service, Promotion, Allowance, or Charge Code Agency maintained code identifying the service, promotion, allowance, or charge LIGHT	X AN 1/10
Must Use	SAC09	355	Unit or Basis for Measurement Code Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken EA Each	X ID 2/2
Must Use	SAC10	380	Quantity Numeric value of quantity	X R 1/15
Must Use	SAC15	352	Description	X AN 1/80

A free-form description to clarify the related data elements and their content
Description of Lighting Equipment

Segment: **IT1** **Baseline Item Data (ComEd: Tariff Information)**

Position: 010
Loop: IT1 Optional
Level: Detail
Usage: Optional
Max Use: 1
Purpose: To specify the basic and most frequently used line item data for the invoice and related transactions

- Syntax Notes:**
- 1 If any of IT102 IT103 or IT104 is present, then all are required.
 - 2 If either IT106 or IT107 is present, then the other is required.
 - 3 If either IT108 or IT109 is present, then the other is required.
 - 4 If either IT110 or IT111 is present, then the other is required.
 - 5 If either IT112 or IT113 is present, then the other is required.
 - 6 If either IT114 or IT115 is present, then the other is required.
 - 7 If either IT116 or IT117 is present, then the other is required.
 - 8 If either IT118 or IT119 is present, then the other is required.
 - 9 If either IT120 or IT121 is present, then the other is required.
 - 10 If either IT122 or IT123 is present, then the other is required.
 - 11 If either IT124 or IT125 is present, then the other is required.

Semantic Notes: 1 IT101 is the purchase order line item identification.

- Comments:**
- 1 Element 235/234 combinations should be interpreted to include products and/or services. See the Data Dictionary for a complete list of IDs.
 - 2 IT106 through IT125 provide for ten different product/service IDs for each item. For example: Case, Color, Drawing No., U.P.C. No., ISBN No., Model No., or SKU.

Notes: Ameren: Not Used
 ComEd: IT1 Loop provided where IT109 = TARIFF INFORMATION to provide the utility rate class description, service period, and number of days in the service period.
 ComEd Sample IT1 TARIFF INFORMATION Loop:
 IT1~000000025~~~~SV~ELECTRIC~C3~TARIFF INFORMATION
 PID~F~~~~ 33 Days
 REF~QY~~Retail Delivery Service - 0 to 100 kW
 DTM~150~20110826
 DTM~151~20110928

Data Element Summary

	<u>Ref. Des.</u>	<u>Data Element</u>	<u>Name</u>	<u>Attributes</u>
Must Use	IT101	350	Assigned Identification Alphanumeric characters assigned for differentiation within a transaction set Sequential Line Item Counter	O AN 1/20
Must Use	IT106	235	Product/Service ID Qualifier Code identifying the type/source of the descriptive number used in Product/Service ID (234) SV Service Rendered	X ID 2/2
Must Use	IT107	234	Product/Service ID Identifying number for a product or service ELECTRIC	X AN 1/48
Must Use	IT108	235	Product/Service ID Qualifier Code identifying the type/source of the descriptive number used in Product/Service ID (234) C3 Classification	X ID 2/2
Must Use	IT109	234	Product/Service ID Identifying number for a product or service TARIFF INFORMATION	X AN 1/48

Segment:	PID Product/Item Description
Position:	060
Loop:	PID Optional
Level:	Detail
Usage:	Optional
Max Use:	1
Purpose:	To describe a product or process in coded or free-form format
Syntax Notes:	<ol style="list-style-type: none"> 1 If PID04 is present, then PID03 is required. 2 At least one of PID04 or PID05 is required. 3 If PID07 is present, then PID03 is required. 4 If PID08 is present, then PID04 is required. 5 If PID09 is present, then PID05 is required.
Semantic Notes:	<ol style="list-style-type: none"> 1 Use PID03 to indicate the organization that publishes the code list being referred to. 2 PID04 should be used for industry-specific product description codes. 3 PID08 describes the physical characteristics of the product identified in PID04. A "Y" indicates that the specified attribute applies to this item; an "N" indicates it does not apply. Any other value is indeterminate. 4 PID09 is used to identify the language being used in PID05.
Comments:	<ol style="list-style-type: none"> 1 If PID01 equals "F", then PID05 is used. If PID01 equals "S", then PID04 is used. If PID01 equals "X", then both PID04 and PID05 are used. 2 Use PID06 when necessary to refer to the product surface or layer being described in the segment. 3 PID07 specifies the individual code list of the agency specified in PID03.
Notes:	<p>Ameren: Not Used ComEd: Required for TARIFF INFORMATION Loop PID~F~~~~ 32 Days</p>

Data Element Summary

	<u>Ref. Des.</u>	<u>Data Element</u>	<u>Name</u>	<u>Attributes</u>
Must Use	PID01	349	Item Description Type Code indicating the format of a description F Free-form	M ID 1/1
Must Use	PID05	352	Description A free-form description to clarify the related data elements and their content Number of Days - Notice that ComEd currently includes a leading space before the number.	X AN 1/80

Segment: **REF** Reference Identification (Utility Rate Class Description)
Position: 120
Loop: IT1 Optional
Level: Detail
Usage: Optional
Max Use: >1
Purpose: To specify identifying information
Syntax Notes:

- 1 At least one of REF02 or REF03 is required.
- 2 If either C04003 or C04004 is present, then the other is required.
- 3 If either C04005 or C04006 is present, then the other is required.

Semantic Notes:

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

Comments:
Notes:

Ameren: Not Used
 ComEd: Required for TARIFF INFORMATION Loop
 REF~QY~~Retail Delivery Service - 0 to 100 kW

Data Element Summary

	<u>Ref. Des.</u>	<u>Data Element</u>	<u>Name</u>	<u>Attributes</u>
Must Use	REF01	128	Reference Identification Qualifier	M ID 2/3
			Code qualifying the Reference Identification	
			QY Service Performed Code	
			Utility Rate Class Description	
Must Use	REF03	352	Description	X AN 1/80
			A free-form description to clarify the related data elements and their content	
			Utility Rate Class Description	

Segment: **DTM** Date/Time Reference (Service Period Start Date)
Position: 150
Loop: IT1 Optional
Level: Detail
Usage: Optional
Max Use: 10
Purpose: To specify pertinent dates and times
Syntax Notes:

- 1 At least one of DTM02 DTM03 or DTM05 is required.
- 2 If DTM04 is present, then DTM03 is required.
- 3 If either DTM05 or DTM06 is present, then the other is required.

Semantic Notes:

Comments:

Notes:

Ameren: Not Used
ComEd: Required for TARIFF INFORMATION Loop - The full service period must match the dates in the PTD~SU Loops of the corresponding 867 Monthly Usage or 867 Monthly Interval Usage transaction.
DTM~150~20111115

Data Element Summary

	<u>Ref.</u> <u>Des.</u>	<u>Data</u> <u>Element</u>	<u>Name</u>	<u>Attributes</u>
Must Use	DTM01	374	Date/Time Qualifier Code specifying type of date or time, or both date and time 150 Service Period Start	M ID 3/3
Must Use	DTM02	373	Date Date expressed as CCYYMMDD Service Period Start Date	X DT 8/8

Segment: **DTM** Date/Time Reference (Service Period End Date)
Position: 150
Loop: IT1 Optional
Level: Detail
Usage: Optional
Max Use: 10
Purpose: To specify pertinent dates and times
Syntax Notes:

- 1 At least one of DTM02 DTM03 or DTM05 is required.
- 2 If DTM04 is present, then DTM03 is required.
- 3 If either DTM05 or DTM06 is present, then the other is required.

Semantic Notes:

Comments:

Notes:

Ameren: Not Used
ComEd: Required for TARIFF INFORMATION Loop - The full service period must match the dates in the PTD~SU Loops of the corresponding 867 Monthly Usage or 867 Monthly Interval Usage transaction.
DTM~151~20111215

Data Element Summary

	<u>Ref.</u> <u>Des.</u>	<u>Data</u> <u>Element</u>	<u>Name</u>	<u>Attributes</u>
Must Use	DTM01	374	Date/Time Qualifier Code specifying type of date or time, or both date and time 151 Service Period End	M ID 3/3
Must Use	DTM02	373	Date Date expressed as CCYYMMDD Service Period End Date	X DT 8/8

Segment: **IT1** Baseline Item Data (Rate, Current Period, Other Charges)

Position: 010

Loop: IT1 Optional

Level: Detail

Usage: Optional

Max Use: 1

Purpose: To specify the basic and most frequently used line item data for the invoice and related transactions

- Syntax Notes:**
- 1 If any of IT102 IT103 or IT104 is present, then all are required.
 - 2 If either IT106 or IT107 is present, then the other is required.
 - 3 If either IT108 or IT109 is present, then the other is required.
 - 4 If either IT110 or IT111 is present, then the other is required.
 - 5 If either IT112 or IT113 is present, then the other is required.
 - 6 If either IT114 or IT115 is present, then the other is required.
 - 7 If either IT116 or IT117 is present, then the other is required.
 - 8 If either IT118 or IT119 is present, then the other is required.
 - 9 If either IT120 or IT121 is present, then the other is required.
 - 10 If either IT122 or IT123 is present, then the other is required.
 - 11 If either IT124 or IT125 is present, then the other is required.

Semantic Notes: 1 IT101 is the purchase order line item identification.

- Comments:**
- 1 Element 235/234 combinations should be interpreted to include products and/or services. See the Data Dictionary for a complete list of IDs.
 - 2 IT106 through IT125 provide for ten different product/service IDs for each item. For example: Case, Color, Drawing No., U.P.C. No., ISBN No., Model No., or SKU.

Notes: Required

Ameren Sample IT1 RATE Loops (notice Taxes are in a separate loop):

IT1*005*****SV*ELECTRIC*C3*RATE

REF*NH*C03*DS - General Service (DS-3) Le

REF*LU*01234567

DTM*150*20110810

DTM*151*20110909

SLN*001**A

SAC*C**EU*BAS001*17321*****001**Customer Charge

SLN*002**A

SAC*C**EU*BAS001*2634*****002**Meter Charge

SLN*003**A

SAC*C**EU*DMD005*71574***4.53*K1*158***003**Distribution Delivery kW Chg

SLN*004**A

SAC*C**EU*MSC001*10881***.65*K1*167.4***004**Transformation Charge

SLN*005**A

SAC*A**EU*MSC001*-71031*****005**Demand Rate Limiter Adj Credit

SLN*006**A

SAC*A**EU*CRE001*-21*****006**Single Bill Option Credit

SLN*007**A

SAC*C**EU*MSC023*974***.00179*KH*5440***007**Rider EDR Charge

IT1*006*****SV*ELECTRIC*C3*RATE

REF*NH*000*Taxes

REF*LU*01234567

DTM*150*20110810

DTM*151*20110909

SLN*001**A

SAC*N**EU*MSC001*1757*****001**Illinois State Electricity Excise Tax

TXI*SE*17.57***2*A

SLN*002**A

SAC*N**EU*MSC001*490*****002**Electric Distribution Tax

TXI*ZZ*4.9***2*A

ComEd Sample IT1 CURRENT PERIOD Loop:

IT1~000000006~~~~SV~ELECTRIC~C3~CURRENT PERIOD

SLN~000000001~~~A

SAC~C~~EU~BAS001~1950~~~~~Customer Charge

SLN~00000002~~A
 SAC~C~~EU~SMD016~1731~~~~~Standard Metering Charge
 SLN~00000003~~A
 SAC~C~~EU~DIS001~33363~~~4.99~K1~66.86~~~~~Distribution Facilities Charge
 SLN~00000004~~A
 SAC~A~~EU~CRE000~40~~~~~Single Bill Option Credit
 SLN~00000005~~A
 SAC~C~~EU~DIS001~1825~~~.00123~KH~14837~~~~~IL Electricity Distribution
 Charge
 SLN~00000006~~A
 SAC~C~~EU~FAC002~868~~~~~Meter Lease
 SLN~00000007~~A
 SAC~C~~EU~FAC002~3818~~~~~Nonstandard Facilities Charge
 SLN~00000008~~A
 SAC~C~~EU~ADJ001~36~~~~~Smart Meter Program
 SLN~00000009~~A
 SAC~A~~EU~ADJ001~45~~~.00003~KH~14837~~~~~Environmental Cost
 Recovery Adj
 SLN~00000010~~A
 SAC~C~~EU~ENC001~2404~~~.00162~KH~14837~~~~~Energy Efficiency
 Programs
 SLN~00000011~~A
 SAC~C~~EU~FR~1663~~~.03866~DO~430.21~~~~~Franchise Cost
 TXI~FR~16.63~~~~~O
 SLN~00000012~~A
 SAC~C~~EU~ST~4755~~~~~State Tax
 TXI~ST~47.55~~~~~O
 SLN~00000013~~A
 SAC~N~~EU~MSC000~52328~~~~~Total Current Charges

 ComEd Sample IT1 OTHER CHARGES Loop:
 IT1~00000007~~~~~SV~ELECTRIC~C3~OTHER CHARGES
 SLN~00000014~~A
 SAC~N~~EU~MSC000~102616~~~~~Payment
 SLN~00000015~~A
 SAC~C~~EU~PRB001~84469~~~~~Charges from previous bill
 SLN~00000016~~A
 SAC~N~~EU~MSC000~84469~~~~~Total Other Charges
 SLN~00000017~~A
 SAC~N~~EU~MSC000~136797~~~~~Total Amount Due

Data Element Summary

	<u>Ref.</u>	<u>Data</u>	<u>Attributes</u>
	<u>Des.</u>	<u>Element Name</u>	
Must Use	IT101	350 Assigned Identification	O AN 1/20
		Alphanumeric characters assigned for differentiation within a transaction set	
		Sequential Line Item Counter	
Must Use	IT106	235 Product/Service ID Qualifier	X ID 2/2
		Code identifying the type/source of the descriptive number used in Product/Service ID (234)	
		SV Service Rendered	
Must Use	IT107	234 Product/Service ID	X AN 1/48
		Identifying number for a product or service	
		ELECTRIC	
Must Use	IT108	235 Product/Service ID Qualifier	X ID 2/2
		Code identifying the type/source of the descriptive number used in Product/Service ID (234)	
		C3 Classification	
Must Use	IT109	234 Product/Service ID	X AN 1/48
		Identifying number for a product or service	
		Ameren: RATE	

Segment: **REF** Reference Identification (Utility Rate Class)
Position: 120
Loop: IT1 Optional
Level: Detail
Usage: Optional
Max Use: >1
Purpose: To specify identifying information
Syntax Notes:

- 1 At least one of REF02 or REF03 is required.
- 2 If either C04003 or C04004 is present, then the other is required.
- 3 If either C04005 or C04006 is present, then the other is required.

Semantic Notes:

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

Comments:
Notes: Ameren: Required - Note that when Ameren sends the IT1 loop for taxes, the Rate Code shows as 000 and the Rate Description is Taxes.
ComEd: Not Used
REF~NH~C03~DS - General Service (DS-3) Le
REF~NH~000~Taxes

Data Element Summary

	<u>Ref. Des.</u>	<u>Data Element</u>	<u>Name</u>	<u>Attributes</u>
Must Use	REF01	128	Reference Identification Qualifier Code qualifying the Reference Identification NH Rate Card Number Utility Rate Class	M ID 2/3
Must Use	REF02	127	Reference Identification Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier Utility Rate Class	X AN 1/30
Must Use	REF03	352	Description A free-form description to clarify the related data elements and their content Rate Class Description	X AN 1/80

Segment: **REF** Reference Identification (Service Point Identifier)
Position: 120
Loop: IT1 Optional
Level: Detail
Usage: Optional
Max Use: >1
Purpose: To specify identifying information
Syntax Notes:

- 1 At least one of REF02 or REF03 is required.
- 2 If either C04003 or C04004 is present, then the other is required.
- 3 If either C04005 or C04006 is present, then the other is required.

Semantic Notes:

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

Comments:
Notes: Ameren: Required
ComEd: Not Used
REF~LU~12345678

Data Element Summary

	<u>Ref. Des.</u>	<u>Data Element</u>	<u>Name</u>	<u>Attributes</u>
Must Use	REF01	128	Reference Identification Qualifier Code qualifying the Reference Identification LU Location Number Service Point Identifier	M ID 2/3
Must Use	REF02	127	Reference Identification Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier Service Point Identifier	X AN 1/30

Segment: **DTM** Date/Time Reference (Service Period Start Date)
Position: 150
Loop: IT1 Optional
Level: Detail
Usage: Optional
Max Use: 10
Purpose: To specify pertinent dates and times
Syntax Notes:

- 1 At least one of DTM02 DTM03 or DTM05 is required.
- 2 If DTM04 is present, then DTM03 is required.
- 3 If either DTM05 or DTM06 is present, then the other is required.

Semantic Notes:

Comments:

Notes:

Ameren: Required
 ComEd: Not Used
 DTM~150~20111115

Data Element Summary

	<u>Ref. Des.</u>	<u>Data Element</u>	<u>Name</u>	<u>Attributes</u>
Must Use	DTM01	374	Date/Time Qualifier Code specifying type of date or time, or both date and time 150 Service Period Start	M ID 3/3
Must Use	DTM02	373	Date Date expressed as CCYYMMDD Service Period Start Date	X DT 8/8

Segment: **DTM** Date/Time Reference (Service Period End Date)
Position: 150
Loop: IT1 Optional
Level: Detail
Usage: Optional
Max Use: 10
Purpose: To specify pertinent dates and times
Syntax Notes:

- 1 At least one of DTM02 DTM03 or DTM05 is required.
- 2 If DTM04 is present, then DTM03 is required.
- 3 If either DTM05 or DTM06 is present, then the other is required.

Semantic Notes:

Comments:

Notes:

Ameren: Required
 ComEd: Not Used
 DTM~151~20111215

Data Element Summary

	<u>Ref.</u> <u>Des.</u>	<u>Data</u> <u>Element</u>	<u>Name</u>	<u>Attributes</u>
Must Use	DTM01	374	Date/Time Qualifier Code specifying type of date or time, or both date and time 151 Service Period End	M ID 3/3
Must Use	DTM02	373	Date Date expressed as CCYYMMDD Service Period End Date	X DT 8/8

Segment: **SLN** Subline Item Detail

Position: 200

Loop: SLN Optional

Level: Detail

Usage: Optional

Max Use: 1

Purpose: To specify product subline detail item data

Syntax Notes:

- 1 If either SLN04 or SLN05 is present, then the other is required.
- 2 If SLN07 is present, then SLN06 is required.
- 3 If SLN08 is present, then SLN06 is required.
- 4 If either SLN09 or SLN10 is present, then the other is required.
- 5 If either SLN11 or SLN12 is present, then the other is required.
- 6 If either SLN13 or SLN14 is present, then the other is required.
- 7 If either SLN15 or SLN16 is present, then the other is required.
- 8 If either SLN17 or SLN18 is present, then the other is required.
- 9 If either SLN19 or SLN20 is present, then the other is required.
- 10 If either SLN21 or SLN22 is present, then the other is required.
- 11 If either SLN23 or SLN24 is present, then the other is required.
- 12 If either SLN25 or SLN26 is present, then the other is required.
- 13 If either SLN27 or SLN28 is present, then the other is required.

Semantic Notes:

- 1 SLN01 is the identifying number for the subline item.
- 2 SLN02 is the identifying number for the subline level. The subline level is analogous to the level code used in a bill of materials.
- 3 SLN03 is the configuration code indicating the relationship of the subline item to the baseline item.
- 4 SLN08 is a code indicating the relationship of the price or amount to the associated segment.

Comments:

- 1 See the Data Element Dictionary for a complete list of IDs.
- 2 SLN01 is related to (but not necessarily equivalent to) the baseline item number. Example: 1.1 or 1A might be used as a subline number to relate to baseline number 1.
- 3 SLN09 through SLN28 provide for ten different product/service IDs for each item. For example: Case, Color, Drawing No., U.P.C. No., ISBN No., Model No., or SKU.

Notes: Required - Each SLN loop will only contain one SAC. Multiple charges/allowances require multiple SLN loops.
 SLN~001~~A
 SLN~000000001~~A

Data Element Summary

	<u>Ref.</u>	<u>Data</u>	<u>Attributes</u>
	<u>Des.</u>	<u>Element</u> <u>Name</u>	
Must Use	SLN01	350 Assigned Identification	M AN 1/20
		Alphanumeric characters assigned for differentiation within a transaction set	
		Sequential Line Item Counter	
Must Use	SLN03	662 Relationship Code	M ID 1/1
		Code indicating the relationship between entities	
		A Add	

Segment: SAC Service, Promotion, Allowance, or Charge Information

Position: 230

Loop: SLN Optional

Level: Detail

Usage: Optional

Max Use: 25

Purpose: To request or identify a service, promotion, allowance, or charge; to specify the amount or percentage for the service, promotion, allowance, or charge

- Syntax Notes:**
- 1 At least one of SAC02 or SAC03 is required.
 - 2 If either SAC03 or SAC04 is present, then the other is required.
 - 3 If either SAC06 or SAC07 is present, then the other is required.
 - 4 If either SAC09 or SAC10 is present, then the other is required.
 - 5 If SAC11 is present, then SAC10 is required.
 - 6 If SAC13 is present, then at least one of SAC02 or SAC04 is required.
 - 7 If SAC14 is present, then SAC13 is required.
 - 8 If SAC16 is present, then SAC15 is required.
- Semantic Notes:**
- 1 If SAC01 is "A" or "C", then at least one of SAC05, SAC07, or SAC08 is required.
 - 2 SAC05 is the total amount for the service, promotion, allowance, or charge. If SAC05 is present with SAC07 or SAC08, then SAC05 takes precedence.
 - 3 SAC08 is the allowance or charge rate per unit.
 - 4 SAC10 and SAC11 is the quantity basis when the allowance or charge quantity is different from the purchase order or invoice quantity. SAC10 and SAC11 used together indicate a quantity range, which could be a dollar amount, that is applicable to service, promotion, allowance, or charge.
 - 5 SAC13 is used in conjunction with SAC02 or SAC04 to provide a specific reference number as identified by the code used.
 - 6 SAC14 is used in conjunction with SAC13 to identify an option when there is more than one option of the promotion.
 - 7 SAC16 is used to identify the language being used in SAC15.
- Comments:**
- 1 SAC04 may be used to uniquely identify the service, promotion, allowance, or charge. In addition, it may be used in conjunction to further the code in SAC02.
 - 2 In some business applications, it is necessary to advise the trading partner of the actual dollar amount that a particular allowance, charge, or promotion was based on to reduce ambiguity. This amount is commonly referred to as "Dollar Basis Amount". It is represented in the SAC segment in SAC10 using the qualifier "DO" - Dollars in SAC09.

Notes: Required

SAC~C~~EU~BAS001~17321~~~~~001~~Customer Charge
 SAC~C~~EU~BAS001~1950~~~~~Customer Charge

Data Element Summary

	<u>Ref. Des.</u>	<u>Data Element</u>	<u>Name</u>	<u>Attributes</u>
Must Use	SAC01	248	Allowance or Charge Indicator Code which indicates an allowance or charge for the service specified A Allowance C Charge N No Allowance or Charge	M ID 1/1
Must Use	SAC03	559	Agency Qualifier Code Code identifying the agency assigning the code values EU Electric Utilities	X ID 2/2
Must Use	SAC04	1301	Agency Service, Promotion, Allowance, or Charge Code Agency maintained code identifying the service, promotion, allowance, or charge Codes will be provided by the utilities upon request.	X AN 1/10
Must Use	SAC05	610	Amount Monetary amount This field must be signed if it is negative.	O N2 1/15
	SAC08	118	Rate	O R 1/9

Rate expressed in the standard monetary denomination for the currency specified

This field must be signed if it is negative.

SAC09	355	Unit or Basis for Measurement Code	X ID 2/2	
		Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken		
		DO Dollars, U.S.		
		EA Each		
		K1 Kilowatt Demand		
		kW		
		K3 Kilovolt Amperes Reactive Hour		
		kVARh		
		KH Kilowatt Hour		
		kWh		
SAC10	380	Quantity	X R 1/15	
		Numeric value of quantity		
SAC13	127	Reference Identification	X AN 1/30	
		Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier		
		Print Sequencing Number - Used to assign a print sequencing number to determine the order that the line item will appear on this section of the bill.		
Must Use	SAC15	352	Description	X AN 1/80
			A free-form description to clarify the related data elements and their content	

Segment: **TXI** Tax Information
Position: 237
Loop: SLN Optional
Level: Detail
Usage: Optional
Max Use: 10
Purpose: To specify tax information
Syntax Notes:

- 1 At least one of TXI02 TXI03 or TXI06 is required.
- 2 If either TXI04 or TXI05 is present, then the other is required.
- 3 If TXI08 is present, then TXI03 is required.

Semantic Notes:

- 1 TXI02 is the monetary amount of the tax.
- 2 TXI03 is the tax percent expressed as a decimal.
- 3 TXI07 is a code indicating the relationship of the price or amount to the associated segment.

Comments:
Notes:

Required for applicable taxes. Note the different implementations in the samples below. Both companies essentially repeat the tax information twice. Ameren uses a "no charge" SAC01 and an "add" for the TXI. ComEd does the opposite, they use the "charge" SAC01 and "information only" for the TXI. Both provide the verbiage for the tax in the SAC15.

Sample of Ameren's Tax implementation (new RATE loop for Taxes):
IT1*003*****SV*ELECTRIC*C3*RATE
REF*NH*000*Taxes
REF*LU*01234567
DTM*150*20110811
DTM*151*20110912
SLN*001**A
SAC*N**EU*MSC001*882*****001**Illinois State Electricity Excise Tax
TXI*SE*8.82***2*A
SLN*002**A
SAC*N**EU*MSC001*367*****002**Electric Distribution Tax
TXI*ZZ*3.67***2*A

Sample of ComEd's Tax implementation (part of IT1 CURRENT PERIOD loop):
SLN~000000009~~A
SAC~C~~EU~FR~13859~~~.0426~DO~3253.24~~~~~Franchise Cost
TXI~FR~138.59~~~~~O
SLN~000000010~~A
SAC~C~~EU~ST~74278~~~~~State Tax
TXI~ST~742.78~~~~~O
SLN~000000011~~A
SAC~C~~EU~MP~84885~~~~~Municipal Tax
TXI~MP~848.85~~~~~O

Data Element Summary

	<u>Ref. Des.</u>	<u>Data Element</u>	<u>Name</u>	<u>Attributes</u>
Must Use	TXI01	963	Tax Type Code Code specifying the type of tax FR Franchise Tax MP Municipal Tax SE State Excise Tax ST State Sales Tax ZZ Mutually Defined	M ID 2/2
Must Use	TXI02	782	Monetary Amount Monetary amount	X R 1/18
	TXI06	441	Tax Exempt Code Code identifying exemption status from sales and use tax 1 Yes (Tax Exempt)	X ID 1/1

Must Use	TXI07	662	2 Relationship Code Code indicating the relationship between entities	No (Not Tax Exempt)	O ID 1/1
			A	Add	
			O	Information Only	

Segment: **IT1** **Baseline Item Data (ComEd: Budget)**

Position: 010
Loop: IT1 Optional
Level: Detail
Usage: Optional
Max Use: 1
Purpose: To specify the basic and most frequently used line item data for the invoice and related transactions

- Syntax Notes:**
- 1 If any of IT102 IT103 or IT104 is present, then all are required.
 - 2 If either IT106 or IT107 is present, then the other is required.
 - 3 If either IT108 or IT109 is present, then the other is required.
 - 4 If either IT110 or IT111 is present, then the other is required.
 - 5 If either IT112 or IT113 is present, then the other is required.
 - 6 If either IT114 or IT115 is present, then the other is required.
 - 7 If either IT116 or IT117 is present, then the other is required.
 - 8 If either IT118 or IT119 is present, then the other is required.
 - 9 If either IT120 or IT121 is present, then the other is required.
 - 10 If either IT122 or IT123 is present, then the other is required.
 - 11 If either IT124 or IT125 is present, then the other is required.

Semantic Notes: 1 IT101 is the purchase order line item identification.

- Comments:**
- 1 Element 235/234 combinations should be interpreted to include products and/or services. See the Data Dictionary for a complete list of IDs.
 - 2 IT106 through IT125 provide for ten different product/service IDs for each item. For example: Case, Color, Drawing No., U.P.C. No., ISBN No., Model No., or SKU.

Notes: Ameren: Not Used
ComEd: Required if customer has budget billing. Customers enrolled with the Single Bill Option prior to December 2010 retained budget billing. After December 2010 ComEd automatically removes customers from budget billing who are enrolled with the Single Bill Option. If a Single Bill Option change request is submitted for a customer on budget billing, the budget bill option is removed. After it is removed, customers can request to be placed back on budget billing.

ComEd Sample IT1 BUDGET Loop:
IT1*000000005*****SV*ELECTRIC*C3*BUDGET
SLN*000000001**A
SAC*N**EU*BUDGET*14800*****Current Budget Billing Amount
SLN*000000002**A
SAC*N**EU*BUDGET*-8770*****Current Budget Balance
SLN*000000003**A
SAC*N**EU*BUDGET*0*****Last Month Budget Balance
SLN*000000004**A
SAC*N**EU*BUDGET*-8770*****Total Budget Balance

Data Element Summary

	<u>Ref.</u>	<u>Data</u>	<u>Attributes</u>
	<u>Des.</u>	<u>Element</u> <u>Name</u>	
Must Use	IT101	350 Assigned Identification	O AN 1/20
		Alphanumeric characters assigned for differentiation within a transaction set Sequential Line Item Counter	
Must Use	IT106	235 Product/Service ID Qualifier	X ID 2/2
		Code identifying the type/source of the descriptive number used in Product/Service ID (234) SV Service Rendered	
Must Use	IT107	234 Product/Service ID	X AN 1/48
		Identifying number for a product or service ELECTRIC	
Must Use	IT108	235 Product/Service ID Qualifier	X ID 2/2
		Code identifying the type/source of the descriptive number used in Product/Service ID (234) C3 Classification	

Must Use

IT109

234

Product/Service ID

X AN 1/48

Identifying number for a product or service

BUDGET

Segment:	SLN Subline Item Detail
Position:	200
Loop:	SLN Optional
Level:	Detail
Usage:	Optional
Max Use:	1
Purpose:	To specify product subline detail item data
Syntax Notes:	<ol style="list-style-type: none"> 1 If either SLN04 or SLN05 is present, then the other is required. 2 If SLN07 is present, then SLN06 is required. 3 If SLN08 is present, then SLN06 is required. 4 If either SLN09 or SLN10 is present, then the other is required. 5 If either SLN11 or SLN12 is present, then the other is required. 6 If either SLN13 or SLN14 is present, then the other is required. 7 If either SLN15 or SLN16 is present, then the other is required. 8 If either SLN17 or SLN18 is present, then the other is required. 9 If either SLN19 or SLN20 is present, then the other is required. 10 If either SLN21 or SLN22 is present, then the other is required. 11 If either SLN23 or SLN24 is present, then the other is required. 12 If either SLN25 or SLN26 is present, then the other is required. 13 If either SLN27 or SLN28 is present, then the other is required.
Semantic Notes:	<ol style="list-style-type: none"> 1 SLN01 is the identifying number for the subline item. 2 SLN02 is the identifying number for the subline level. The subline level is analogous to the level code used in a bill of materials. 3 SLN03 is the configuration code indicating the relationship of the subline item to the baseline item. 4 SLN08 is a code indicating the relationship of the price or amount to the associated segment.
Comments:	<ol style="list-style-type: none"> 1 See the Data Element Dictionary for a complete list of IDs. 2 SLN01 is related to (but not necessarily equivalent to) the baseline item number. Example: 1.1 or 1A might be used as a subline number to relate to baseline number 1. 3 SLN09 through SLN28 provide for ten different product/service IDs for each item. For example: Case, Color, Drawing No., U.P.C. No., ISBN No., Model No., or SKU.
Notes:	Ameren: Not Used ComEd: Required for BUDGET IT1 Loop SLN~000000001~~A

Data Element Summary

	<u>Ref.</u> <u>Des.</u>	<u>Data</u> <u>Element</u>	<u>Name</u>	<u>Attributes</u>
Must Use	SLN01	350	Assigned Identification Alphanumeric characters assigned for differentiation within a transaction set Sequential Line Item Counter	M AN 1/20
Must Use	SLN03	662	Relationship Code Code indicating the relationship between entities A Add	M ID 1/1

Segment: SAC Service, Promotion, Allowance, or Charge Information

Position: 230

Loop: SLN Optional

Level: Detail

Usage: Optional

Max Use: 25

Purpose: To request or identify a service, promotion, allowance, or charge; to specify the amount or percentage for the service, promotion, allowance, or charge

- Syntax Notes:**
- 1 At least one of SAC02 or SAC03 is required.
 - 2 If either SAC03 or SAC04 is present, then the other is required.
 - 3 If either SAC06 or SAC07 is present, then the other is required.
 - 4 If either SAC09 or SAC10 is present, then the other is required.
 - 5 If SAC11 is present, then SAC10 is required.
 - 6 If SAC13 is present, then at least one of SAC02 or SAC04 is required.
 - 7 If SAC14 is present, then SAC13 is required.
 - 8 If SAC16 is present, then SAC15 is required.
- Semantic Notes:**
- 1 If SAC01 is "A" or "C", then at least one of SAC05, SAC07, or SAC08 is required.
 - 2 SAC05 is the total amount for the service, promotion, allowance, or charge. If SAC05 is present with SAC07 or SAC08, then SAC05 takes precedence.
 - 3 SAC08 is the allowance or charge rate per unit.
 - 4 SAC10 and SAC11 is the quantity basis when the allowance or charge quantity is different from the purchase order or invoice quantity. SAC10 and SAC11 used together indicate a quantity range, which could be a dollar amount, that is applicable to service, promotion, allowance, or charge.
 - 5 SAC13 is used in conjunction with SAC02 or SAC04 to provide a specific reference number as identified by the code used.
 - 6 SAC14 is used in conjunction with SAC13 to identify an option when there is more than one option of the promotion.
 - 7 SAC16 is used to identify the language being used in SAC15.
- Comments:**
- 1 SAC04 may be used to uniquely identify the service, promotion, allowance, or charge. In addition, it may be used in conjunction to further the code in SAC02.
 - 2 In some business applications, it is necessary to advise the trading partner of the actual dollar amount that a particular allowance, charge, or promotion was based on to reduce ambiguity. This amount is commonly referred to as "Dollar Basis Amount". It is represented in the SAC segment in SAC10 using the qualifier "DO" - Dollars in SAC09.

Notes: Ameren: Not Used
 ComEd: Required for BUDGET IT1 Loop
 SAC~N~~EU~BUDGET~14800~~~~~Current Budget Billing Amount

Data Element Summary

	<u>Ref. Des.</u>	<u>Data Element</u>	<u>Name</u>	<u>Attributes</u>
Must Use	SAC01	248	Allowance or Charge Indicator Code which indicates an allowance or charge for the service specified N No Allowance or Charge	M ID 1/1
Must Use	SAC03	559	Agency Qualifier Code Code identifying the agency assigning the code values EU Electric Utilities	X ID 2/2
Must Use	SAC04	1301	Agency Service, Promotion, Allowance, or Charge Code Agency maintained code identifying the service, promotion, allowance, or charge BUDGET	X AN 1/10
Must Use	SAC05	610	Amount Monetary amount This field must be signed if it is negative.	O N2 1/15
Must Use	SAC15	352	Description A free-form description to clarify the related data elements and their content	X AN 1/80

Segment: **IT1** **Baseline Item Data (Ameren: Account Information)**

Position: 010
Loop: IT1 Optional
Level: Detail
Usage: Optional
Max Use: 1
Purpose: To specify the basic and most frequently used line item data for the invoice and related transactions

- Syntax Notes:**
- 1 If any of IT102 IT103 or IT104 is present, then all are required.
 - 2 If either IT106 or IT107 is present, then the other is required.
 - 3 If either IT108 or IT109 is present, then the other is required.
 - 4 If either IT110 or IT111 is present, then the other is required.
 - 5 If either IT112 or IT113 is present, then the other is required.
 - 6 If either IT114 or IT115 is present, then the other is required.
 - 7 If either IT116 or IT117 is present, then the other is required.
 - 8 If either IT118 or IT119 is present, then the other is required.
 - 9 If either IT120 or IT121 is present, then the other is required.
 - 10 If either IT122 or IT123 is present, then the other is required.
 - 11 If either IT124 or IT125 is present, then the other is required.

Semantic Notes: 1 IT101 is the purchase order line item identification.

- Comments:**
- 1 Element 235/234 combinations should be interpreted to include products and/or services. See the Data Dictionary for a complete list of IDs.
 - 2 IT106 through IT125 provide for ten different product/service IDs for each item. For example: Case, Color, Drawing No., U.P.C. No., ISBN No., Model No., or SKU.

Notes: Ameren: Optional - Used to present a Prior Balance
 ComEd: Not Used

```
Ameren Sample IT1 ACCOUNT Loop:
IT1*006*****C3*ACCOUNT
SLN*001**A
SAC*N**EU*PRB001*5141*****001**Prior Electric Service Amount
SLN*002**A
SAC*N**EU*PRB001*989*****002**Prior Lighting Service Charge
IT1~1~~~~SV~ELECTRIC~C3~ACCOUNT
```

Data Element Summary

	<u>Ref.</u>	<u>Data</u>	<u>Attributes</u>
	<u>Des.</u>	<u>Element</u> <u>Name</u>	
Must Use	IT101	350 Assigned Identification Alphanumeric characters assigned for differentiation within a transaction set Sequential Line Item Counter	O AN 1/20
Must Use	IT108	235 Product/Service ID Qualifier Code identifying the type/source of the descriptive number used in Product/Service ID (234) C3 Classification	X ID 2/2
Must Use	IT109	234 Product/Service ID Identifying number for a product or service ACCOUNT	X AN 1/48

Segment: **SLN** Subline Item Detail

Position: 200

Loop: SLN Optional

Level: Detail

Usage: Optional

Max Use: 1

Purpose: To specify product subline detail item data

Syntax Notes:

- 1 If either SLN04 or SLN05 is present, then the other is required.
- 2 If SLN07 is present, then SLN06 is required.
- 3 If SLN08 is present, then SLN06 is required.
- 4 If either SLN09 or SLN10 is present, then the other is required.
- 5 If either SLN11 or SLN12 is present, then the other is required.
- 6 If either SLN13 or SLN14 is present, then the other is required.
- 7 If either SLN15 or SLN16 is present, then the other is required.
- 8 If either SLN17 or SLN18 is present, then the other is required.
- 9 If either SLN19 or SLN20 is present, then the other is required.
- 10 If either SLN21 or SLN22 is present, then the other is required.
- 11 If either SLN23 or SLN24 is present, then the other is required.
- 12 If either SLN25 or SLN26 is present, then the other is required.
- 13 If either SLN27 or SLN28 is present, then the other is required.

Semantic Notes:

- 1 SLN01 is the identifying number for the subline item.
- 2 SLN02 is the identifying number for the subline level. The subline level is analogous to the level code used in a bill of materials.
- 3 SLN03 is the configuration code indicating the relationship of the subline item to the baseline item.
- 4 SLN08 is a code indicating the relationship of the price or amount to the associated segment.

Comments:

- 1 See the Data Element Dictionary for a complete list of IDs.
- 2 SLN01 is related to (but not necessarily equivalent to) the baseline item number. Example: 1.1 or 1A might be used as a subline number to relate to baseline number 1.
- 3 SLN09 through SLN28 provide for ten different product/service IDs for each item. For example: Case, Color, Drawing No., U.P.C. No., ISBN No., Model No., or SKU.

Notes: Ameren: Required for IT1 ACCOUNT Loop - Each SLN loop will only contain one SAC. Multiple charges/allowances require multiple SLN loops.
ComEd: Not Used
SLN~001~~A

Data Element Summary

	<u>Ref.</u> <u>Des.</u>	<u>Data</u> <u>Element</u>	<u>Name</u>	<u>Attributes</u>
Must Use	SLN01	350	Assigned Identification Alphanumeric characters assigned for differentiation within a transaction set Sequential Line Item Counter	M AN 1/20
Must Use	SLN03	662	Relationship Code Code indicating the relationship between entities A Add	M ID 1/1

Segment: SAC Service, Promotion, Allowance, or Charge Information

Position: 230

Loop: SLN Optional

Level: Detail

Usage: Optional

Max Use: 25

Purpose: To request or identify a service, promotion, allowance, or charge; to specify the amount or percentage for the service, promotion, allowance, or charge

- Syntax Notes:**
- 1 At least one of SAC02 or SAC03 is required.
 - 2 If either SAC03 or SAC04 is present, then the other is required.
 - 3 If either SAC06 or SAC07 is present, then the other is required.
 - 4 If either SAC09 or SAC10 is present, then the other is required.
 - 5 If SAC11 is present, then SAC10 is required.
 - 6 If SAC13 is present, then at least one of SAC02 or SAC04 is required.
 - 7 If SAC14 is present, then SAC13 is required.
 - 8 If SAC16 is present, then SAC15 is required.

- Semantic Notes:**
- 1 If SAC01 is "A" or "C", then at least one of SAC05, SAC07, or SAC08 is required.
 - 2 SAC05 is the total amount for the service, promotion, allowance, or charge. If SAC05 is present with SAC07 or SAC08, then SAC05 takes precedence.
 - 3 SAC08 is the allowance or charge rate per unit.
 - 4 SAC10 and SAC11 is the quantity basis when the allowance or charge quantity is different from the purchase order or invoice quantity. SAC10 and SAC11 used together indicate a quantity range, which could be a dollar amount, that is applicable to service, promotion, allowance, or charge.
 - 5 SAC13 is used in conjunction with SAC02 or SAC04 to provide a specific reference number as identified by the code used.
 - 6 SAC14 is used in conjunction with SAC13 to identify an option when there is more than one option of the promotion.
 - 7 SAC16 is used to identify the language being used in SAC15.

- Comments:**
- 1 SAC04 may be used to uniquely identify the service, promotion, allowance, or charge. In addition, it may be used in conjunction to further the code in SAC02.
 - 2 In some business applications, it is necessary to advise the trading partner of the actual dollar amount that a particular allowance, charge, or promotion was based on to reduce ambiguity. This amount is commonly referred to as "Dollar Basis Amount". It is represented in the SAC segment in SAC10 using the qualifier "DO" - Dollars in SAC09.

Notes: Ameren: Required for IT1 ACCOUNT Loop

ComEd: Not Used

SAC*N**EU*PRB001*155522*****001**Prior Electric Service Amount

SAC*N**EU*PRB001*989*****002**Prior Lighting Service Charge

Data Element Summary

	<u>Ref.</u>	<u>Data</u>	<u>Name</u>	<u>Attributes</u>
	<u>Des.</u>	<u>Element</u>		
Must Use	SAC01	248	Allowance or Charge Indicator Code which indicates an allowance or charge for the service specified N No Allowance or Charge	M ID 1/1
Must Use	SAC03	559	Agency Qualifier Code Code identifying the agency assigning the code values EU Electric Utilities	X ID 2/2
Must Use	SAC04	1301	Agency Service, Promotion, Allowance, or Charge Code Agency maintained code identifying the service, promotion, allowance, or charge PRB001 Prior Balance	X AN 1/10
Must Use	SAC05	610	Amount Monetary amount This field must be signed if it is negative.	O N2 1/15
Must Use	SAC13	127	Reference Identification Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier	X AN 1/30

Print Sequencing Number - Used to assign a print sequencing number to determine the order that the line item will appear on this section of the bill.

Must Use

SAC15

352

Description

X AN 1/80

A free-form description to clarify the related data elements and their content

Segment: **IT1** **Baseline Item Data (ComEd: Message Information)**
Position: 010
Loop: IT1 Optional
Level: Detail
Usage: Optional
Max Use: 1
Purpose: To specify the basic and most frequently used line item data for the invoice and related transactions

- Syntax Notes:**
- 1 If any of IT102 IT103 or IT104 is present, then all are required.
 - 2 If either IT106 or IT107 is present, then the other is required.
 - 3 If either IT108 or IT109 is present, then the other is required.
 - 4 If either IT110 or IT111 is present, then the other is required.
 - 5 If either IT112 or IT113 is present, then the other is required.
 - 6 If either IT114 or IT115 is present, then the other is required.
 - 7 If either IT116 or IT117 is present, then the other is required.
 - 8 If either IT118 or IT119 is present, then the other is required.
 - 9 If either IT120 or IT121 is present, then the other is required.
 - 10 If either IT122 or IT123 is present, then the other is required.
 - 11 If either IT124 or IT125 is present, then the other is required.

Semantic Notes: 1 IT101 is the purchase order line item identification.

- Comments:**
- 1 Element 235/234 combinations should be interpreted to include products and/or services. See the Data Dictionary for a complete list of IDs.
 - 2 IT106 through IT125 provide for ten different product/service IDs for each item. For example: Case, Color, Drawing No., U.P.C. No., ISBN No., Model No., or SKU.

Notes: Ameren: Not Used
ComEd: Optional to send Bill Messages. The RES is expected to print these bill messages on the customer's bill in the order they are received.

ComEd Sample IT1 MESSAGE Loops:
IT1~000000006~~~~SV~ELECTRIC~C3~MESSAGE
SLN~000000001~~~A
SAC~N~~EU~MMMM~~~~~~IMPORTANT BILL MESSAGE Your account has been suspended from our electronic
IT1~000000007~~~~SV~ELECTRIC~C3~MESSAGE
SLN~000000002~~~A
SAC~N~~EU~MMMM~~~~~~bill payment plan. This bill amount will not be deducted from your bank account.
IT1~000000008~~~~SV~ELECTRIC~C3~MESSAGE
SLN~000000003~~~A
SAC~N~~EU~MMMM~~~~~~Please pay the total amount shown on this bill.

Data Element Summary

	<u>Ref. Des.</u>	<u>Data Element</u>	<u>Name</u>	<u>Attributes</u>
Must Use	IT101	350	Assigned Identification Alphanumeric characters assigned for differentiation within a transaction set Sequential Line Item Counter	O AN 1/20
Must Use	IT106	235	Product/Service ID Qualifier Code identifying the type/source of the descriptive number used in Product/Service ID (234) SV Service Rendered	X ID 2/2
Must Use	IT107	234	Product/Service ID Identifying number for a product or service ELECTRIC	X AN 1/48
Must Use	IT108	235	Product/Service ID Qualifier Code identifying the type/source of the descriptive number used in Product/Service ID (234) C3 Classification	X ID 2/2
Must Use	IT109	234	Product/Service ID Identifying number for a product or service	X AN 1/48

MESSAGE

Segment:	SLN Subline Item Detail
Position:	200
Loop:	SLN Optional
Level:	Detail
Usage:	Optional
Max Use:	1
Purpose:	To specify product subline detail item data
Syntax Notes:	<ol style="list-style-type: none"> 1 If either SLN04 or SLN05 is present, then the other is required. 2 If SLN07 is present, then SLN06 is required. 3 If SLN08 is present, then SLN06 is required. 4 If either SLN09 or SLN10 is present, then the other is required. 5 If either SLN11 or SLN12 is present, then the other is required. 6 If either SLN13 or SLN14 is present, then the other is required. 7 If either SLN15 or SLN16 is present, then the other is required. 8 If either SLN17 or SLN18 is present, then the other is required. 9 If either SLN19 or SLN20 is present, then the other is required. 10 If either SLN21 or SLN22 is present, then the other is required. 11 If either SLN23 or SLN24 is present, then the other is required. 12 If either SLN25 or SLN26 is present, then the other is required. 13 If either SLN27 or SLN28 is present, then the other is required.
Semantic Notes:	<ol style="list-style-type: none"> 1 SLN01 is the identifying number for the subline item. 2 SLN02 is the identifying number for the subline level. The subline level is analogous to the level code used in a bill of materials. 3 SLN03 is the configuration code indicating the relationship of the subline item to the baseline item. 4 SLN08 is a code indicating the relationship of the price or amount to the associated segment.
Comments:	<ol style="list-style-type: none"> 1 See the Data Element Dictionary for a complete list of IDs. 2 SLN01 is related to (but not necessarily equivalent to) the baseline item number. Example: 1.1 or 1A might be used as a subline number to relate to baseline number 1. 3 SLN09 through SLN28 provide for ten different product/service IDs for each item. For example: Case, Color, Drawing No., U.P.C. No., ISBN No., Model No., or SKU.
Notes:	<p>Ameren: Not Used</p> <p>ComEd: Required for MESSAGE Loop - Note that ComEd will only use one SLN/SAC loop per IT1.</p> <p>SLN~000000001~~A</p>

Data Element Summary

	<u>Ref.</u> <u>Des.</u>	<u>Data</u> <u>Element</u>	<u>Name</u>	<u>Attributes</u>
Must Use	SLN01	350	Assigned Identification Alphanumeric characters assigned for differentiation within a transaction set Sequential Line Item Counter	M AN 1/20
Must Use	SLN03	662	Relationship Code Code indicating the relationship between entities A Add	M ID 1/1

Segment: SAC Service, Promotion, Allowance, or Charge Information

Position: 230

Loop: SLN Optional

Level: Detail

Usage: Optional

Max Use: 25

Purpose: To request or identify a service, promotion, allowance, or charge; to specify the amount or percentage for the service, promotion, allowance, or charge

- Syntax Notes:**
- 1 At least one of SAC02 or SAC03 is required.
 - 2 If either SAC03 or SAC04 is present, then the other is required.
 - 3 If either SAC06 or SAC07 is present, then the other is required.
 - 4 If either SAC09 or SAC10 is present, then the other is required.
 - 5 If SAC11 is present, then SAC10 is required.
 - 6 If SAC13 is present, then at least one of SAC02 or SAC04 is required.
 - 7 If SAC14 is present, then SAC13 is required.
 - 8 If SAC16 is present, then SAC15 is required.

- Semantic Notes:**
- 1 If SAC01 is "A" or "C", then at least one of SAC05, SAC07, or SAC08 is required.
 - 2 SAC05 is the total amount for the service, promotion, allowance, or charge. If SAC05 is present with SAC07 or SAC08, then SAC05 takes precedence.
 - 3 SAC08 is the allowance or charge rate per unit.
 - 4 SAC10 and SAC11 is the quantity basis when the allowance or charge quantity is different from the purchase order or invoice quantity. SAC10 and SAC11 used together indicate a quantity range, which could be a dollar amount, that is applicable to service, promotion, allowance, or charge.
 - 5 SAC13 is used in conjunction with SAC02 or SAC04 to provide a specific reference number as identified by the code used.
 - 6 SAC14 is used in conjunction with SAC13 to identify an option when there is more than one option of the promotion.
 - 7 SAC16 is used to identify the language being used in SAC15.

- Comments:**
- 1 SAC04 may be used to uniquely identify the service, promotion, allowance, or charge. In addition, it may be used in conjunction to further the code in SAC02.
 - 2 In some business applications, it is necessary to advise the trading partner of the actual dollar amount that a particular allowance, charge, or promotion was based on to reduce ambiguity. This amount is commonly referred to as "Dollar Basis Amount". It is represented in the SAC segment in SAC10 using the qualifier "DO" - Dollars in SAC09.

Notes: Ameren: Not Used
ComEd: Required for MESSAGE Loop
SAC~N~~EU~MMMM~ Final Bill

Data Element Summary

	<u>Ref. Des.</u>	<u>Data Element</u>	<u>Name</u>	<u>Attributes</u>
Must Use	SAC01	248	Allowance or Charge Indicator Code which indicates an allowance or charge for the service specified N No Allowance or Charge	M ID 1/1
Must Use	SAC03	559	Agency Qualifier Code Code identifying the agency assigning the code values EU Electric Utilities	X ID 2/2
Must Use	SAC04	1301	Agency Service, Promotion, Allowance, or Charge Code Agency maintained code identifying the service, promotion, allowance, or charge MMMMM Indicates Bill Messages	X AN 1/10
Must Use	SAC15	352	Description A free-form description to clarify the related data elements and their content Message text to be printed on the customer's bill.	X AN 1/80

Segment: **IT1** **Baseline Item Data (ComEd: Weather Information)**

Position: 010
Loop: IT1 Optional
Level: Detail
Usage: Optional
Max Use: 1
Purpose: To specify the basic and most frequently used line item data for the invoice and related transactions

- Syntax Notes:**
- 1 If any of IT102 IT103 or IT104 is present, then all are required.
 - 2 If either IT106 or IT107 is present, then the other is required.
 - 3 If either IT108 or IT109 is present, then the other is required.
 - 4 If either IT110 or IT111 is present, then the other is required.
 - 5 If either IT112 or IT113 is present, then the other is required.
 - 6 If either IT114 or IT115 is present, then the other is required.
 - 7 If either IT116 or IT117 is present, then the other is required.
 - 8 If either IT118 or IT119 is present, then the other is required.
 - 9 If either IT120 or IT121 is present, then the other is required.
 - 10 If either IT122 or IT123 is present, then the other is required.
 - 11 If either IT124 or IT125 is present, then the other is required.

Semantic Notes: 1 IT101 is the purchase order line item identification.

- Comments:**
- 1 Element 235/234 combinations should be interpreted to include products and/or services. See the Data Dictionary for a complete list of IDs.
 - 2 IT106 through IT125 provide for ten different product/service IDs for each item. For example: Case, Color, Drawing No., U.P.C. No., ISBN No., Model No., or SKU.

Notes: Ameren: Not Used
 ComEd: Optional to send Bill Messages. The RES is expected to print these bill messages on the customer's bill in the order they are received.
 Sample IT1 Loops for Weather Information
 IT1~000000009~~~~SV~ELECTRIC~C3~WEATHER
 SLN~000000001~~A
 SAC~N~~EU~WWWW~~~~~Month Billed Total Demand Avg Daily
 kWh Avg Daily Temp
 SLN~000000002~~A
 SAC~N~~EU~WWWW~~~~~Current Month 4.27 51.10
 65
 SLN~000000003~~A
 SAC~N~~EU~WWWW~~~~~Last Month 3.94 59.06
 75
 SLN~000000004~~A
 SAC~N~~EU~WWWW~~~~~Last Year 3.42 40.14
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Data Element Summary

	<u>Ref. Des.</u>	<u>Data Element</u>	<u>Name</u>	<u>Attributes</u>
Must Use	IT101	350	Assigned Identification Alphanumeric characters assigned for differentiation within a transaction set Sequential Line Item Counter	O AN 1/20
Must Use	IT106	235	Product/Service ID Qualifier Code identifying the type/source of the descriptive number used in Product/Service ID (234) SV Service Rendered	X ID 2/2
Must Use	IT107	234	Product/Service ID Identifying number for a product or service ELECTRIC	X AN 1/48
Must Use	IT108	235	Product/Service ID Qualifier Code identifying the type/source of the descriptive number used in Product/Service ID (234) C3 Classification	X ID 2/2
Must Use	IT109	234	Product/Service ID	X AN 1/48

Identifying number for a product or service
WEATHER

Segment:	SLN Subline Item Detail
Position:	200
Loop:	SLN Optional
Level:	Detail
Usage:	Optional
Max Use:	1
Purpose:	To specify product subline detail item data
Syntax Notes:	<ol style="list-style-type: none"> 1 If either SLN04 or SLN05 is present, then the other is required. 2 If SLN07 is present, then SLN06 is required. 3 If SLN08 is present, then SLN06 is required. 4 If either SLN09 or SLN10 is present, then the other is required. 5 If either SLN11 or SLN12 is present, then the other is required. 6 If either SLN13 or SLN14 is present, then the other is required. 7 If either SLN15 or SLN16 is present, then the other is required. 8 If either SLN17 or SLN18 is present, then the other is required. 9 If either SLN19 or SLN20 is present, then the other is required. 10 If either SLN21 or SLN22 is present, then the other is required. 11 If either SLN23 or SLN24 is present, then the other is required. 12 If either SLN25 or SLN26 is present, then the other is required. 13 If either SLN27 or SLN28 is present, then the other is required.
Semantic Notes:	<ol style="list-style-type: none"> 1 SLN01 is the identifying number for the subline item. 2 SLN02 is the identifying number for the subline level. The subline level is analogous to the level code used in a bill of materials. 3 SLN03 is the configuration code indicating the relationship of the subline item to the baseline item. 4 SLN08 is a code indicating the relationship of the price or amount to the associated segment.
Comments:	<ol style="list-style-type: none"> 1 See the Data Element Dictionary for a complete list of IDs. 2 SLN01 is related to (but not necessarily equivalent to) the baseline item number. Example: 1.1 or 1A might be used as a subline number to relate to baseline number 1. 3 SLN09 through SLN28 provide for ten different product/service IDs for each item. For example: Case, Color, Drawing No., U.P.C. No., ISBN No., Model No., or SKU.
Notes:	<p>Ameren: Not Used ComEd: Required for WEATHER Loop SLN~000000001~~A</p>

Data Element Summary

Ref.	Data	Attributes
Des.	Element Name	
Must Use	SLN01 350 Assigned Identification	M AN 1/20
	Alphanumeric characters assigned for differentiation within a transaction set	
	Sequential Line Item Counter	
Must Use	SLN03 662 Relationship Code	M ID 1/1
	Code indicating the relationship between entities	
	A Add	

Segment: SAC Service, Promotion, Allowance, or Charge Information

Position: 230

Loop: SLN Optional

Level: Detail

Usage: Optional

Max Use: 25

Purpose: To request or identify a service, promotion, allowance, or charge; to specify the amount or percentage for the service, promotion, allowance, or charge

- Syntax Notes:**
- 1 At least one of SAC02 or SAC03 is required.
 - 2 If either SAC03 or SAC04 is present, then the other is required.
 - 3 If either SAC06 or SAC07 is present, then the other is required.
 - 4 If either SAC09 or SAC10 is present, then the other is required.
 - 5 If SAC11 is present, then SAC10 is required.
 - 6 If SAC13 is present, then at least one of SAC02 or SAC04 is required.
 - 7 If SAC14 is present, then SAC13 is required.
 - 8 If SAC16 is present, then SAC15 is required.

- Semantic Notes:**
- 1 If SAC01 is "A" or "C", then at least one of SAC05, SAC07, or SAC08 is required.
 - 2 SAC05 is the total amount for the service, promotion, allowance, or charge. If SAC05 is present with SAC07 or SAC08, then SAC05 takes precedence.
 - 3 SAC08 is the allowance or charge rate per unit.
 - 4 SAC10 and SAC11 is the quantity basis when the allowance or charge quantity is different from the purchase order or invoice quantity. SAC10 and SAC11 used together indicate a quantity range, which could be a dollar amount, that is applicable to service, promotion, allowance, or charge.
 - 5 SAC13 is used in conjunction with SAC02 or SAC04 to provide a specific reference number as identified by the code used.
 - 6 SAC14 is used in conjunction with SAC13 to identify an option when there is more than one option of the promotion.
 - 7 SAC16 is used to identify the language being used in SAC15.

- Comments:**
- 1 SAC04 may be used to uniquely identify the service, promotion, allowance, or charge. In addition, it may be used in conjunction to further the code in SAC02.
 - 2 In some business applications, it is necessary to advise the trading partner of the actual dollar amount that a particular allowance, charge, or promotion was based on to reduce ambiguity. This amount is commonly referred to as "Dollar Basis Amount". It is represented in the SAC segment in SAC10 using the qualifier "DO" - Dollars in SAC09.

Notes: Ameren: Not Used
 ComEd: Required for WEATHER Loop
 SAC~N~~EU~WWWW~~~~~Last Year 3.42 40.14 77

Data Element Summary

	<u>Ref. Des.</u>	<u>Data Element</u>	<u>Name</u>	<u>Attributes</u>
Must Use	SAC01	248	Allowance or Charge Indicator Code which indicates an allowance or charge for the service specified N No Allowance or Charge	M ID 1/1
Must Use	SAC03	559	Agency Qualifier Code Code identifying the agency assigning the code values EU Electric Utilities	X ID 2/2
Must Use	SAC04	1301	Agency Service, Promotion, Allowance, or Charge Code Agency maintained code identifying the service, promotion, allowance, or charge WWWWW Indicates Weather Information	X AN 1/10
Must Use	SAC15	352	Description A free-form description to clarify the related data elements and their content Weather Information to be included on the customer's bill.	X AN 1/80

Segment: **TDS** Total Monetary Value Summary
Position: 010
Loop:
Level: Summary
Usage: Mandatory
Max Use: 1
Purpose: To specify the total invoice discounts and amounts
Syntax Notes:
Semantic Notes:

- 1 TDS01 is the total amount of invoice (including charges, less allowances) before terms discount (if discount is applicable).
- 2 TDS02 indicates the amount upon which the terms discount amount is calculated.
- 3 TDS03 is the amount of invoice due if paid by terms discount due date (total invoice or installment amount less cash discount).
- 4 TDS04 indicates the total amount of terms discount.

Comments:

- 1 TDS02 is required if the dollar value subject to discount is not equal to the dollar value of TDS01.

Notes: Ameren: Required - Reflects the total due for Current Charges. Please see the segment BAL*M*YB for the Total Amount Due Including Prior Period Unpaid Charges.
ComEd: Required - Reflects the Total Amount Due Including Prior Period Unpaid Charges.
TDS~10000

Data Element Summary

Ref.	Data	Name	Attributes
Must Use	<u>Des.</u> TDS01	<u>Element</u> 610 Amount	M N2 1/15

Monetary amount

The total amount due for this invoice which must equal the algebraic sum of the amounts in the SAC05 segments. This field must be signed if it is negative.

Segment: **SE** Transaction Set Trailer

Position: 080

Loop:

Level: Summary

Usage: Mandatory

Max Use: 1

Purpose: To indicate the end of the transaction set and provide the count of the transmitted segments (including the beginning (ST) and ending (SE) segments)

Syntax Notes:

Semantic Notes:

Comments: 1 SE is the last segment of each transaction set.

Notes: Required

SE~91~00000001

Data Element Summary

	<u>Ref.</u>	<u>Data</u>	<u>Name</u>	<u>Attributes</u>
	<u>Des.</u>	<u>Element</u>		
Must Use	SE01	96	Number of Included Segments	M N0 1/10
			Total number of segments included in a transaction set including ST and SE segments	
Must Use	SE02	329	Transaction Set Control Number	M AN 4/9
			Identifying control number that must be unique within the transaction set functional group assigned by the originator for a transaction set	

Sample Ameren Multiple Meter

<p>ST*810*0001 BIG*20110913*0000000118201109130111*****ME*00 NTE*ADD*Visit AmerenIllinois.com to view bill inserts which contain useful and NTE*ADD*important information about ways to save energy and safety around NTE*ADD*electricity and natural gas. REF*12*0000011111 REF*BLT*ESP N1*8S*AMEREN ILLINOIS*1*006936017 N3*P.O. Box 66884 N4*St. Louis*MO*63166 N1*SJ*Supplier Name*9*11111111ABCD N1*8R*CUSTOMER NAME ITD*****20110928 BAL*M*YB*441.48 IT1*001*****SV*ELECTRIC*C3*METER MEA*AA*UG*3400*KH*26189*26529*51 MEA**MU*10 REF*MG*11111111 REF*NH*A02*Total kWh REF*LU*44560000 DTM*150*20110814 DTM*151*20110912 IT1*002*****SV*ELECTRIC*C3*METER MEA*AA*UG*7331*KH*42777*50108*51 REF*MG*22222222 REF*NH*A02*Total kWh REF*LU*44560000 DTM*150*20110814 DTM*151*20110912 IT1*003*****SV*ELECTRIC*C3*METER MEA*AA*UG*28.91*K1*0*2.89*51 MEA**MU*10 REF*MG*11111111 REF*NH*A02*Peak kW REF*LU*44560000 DTM*150*20110814 DTM*151*20110912 IT1*004*****SV*ELECTRIC*C3*RATE REF*NH*A02*DS - Small General Service (DS) REF*LU*44560000 DTM*150*20110814 DTM*151*20110912 SLN*001**A SAC*C**EU*BAS001*2036*****001**Customer Charge SLN*002**A SAC*C**EU*BAS001*724*****002**Meter Charge SLN*003**A SAC*C**EU*DIS001*27396***.02553*KH*10731***003**Distribution Deliv Chg Summer SLN*004**A SAC*A**EU*CRE001*-21*****004**Single Bill Option Credit SLN*005**A SAC*C**EU*ADJ002*1868***.001741*KH*10731***005**Electric Environmental Adj SLN*006**A SAC*C**EU*MSC023*1921***.00179*KH*10731***006**Rider EDR Charge IT1*005*****SV*ELECTRIC*C3*RATE REF*NH*000*Taxes REF*LU*44560000 DTM*150*20110814 </p>	<p>DTM*151*20110912 SLN*001**A SAC*N**EU*MSC001*3445*****001**Illinois State Electricity Excise Tax TXI*SE*34.45****2*A SLN*002**A SAC*N**EU*MSC001*2103*****002**Electric Distribution Tax TXI*ZZ*21.03****2*A IT1*006*****SV*ELECTRIC*C3*RATE REF*NH*A05*DS - Non-Residential Lighting REF*LU*64560000 DTM*150*20110810 DTM*151*20110909 SLN*001**A SAC*C**EU*ODL001*3693*****001**Lighting Charge SLN*002**A SAC*C**EU*ADJ002*537***.0076596*KH*701***002**Electric Environmental Adj SLN*003**A SAC*C**EU*MSC023*125***.00179*KH*701***003**Rider EDR Charge IT1*007*****SV*ELECTRIC*C3*RATE REF*NH*000*Taxes REF*LU*64560000 DTM*150*20110810 DTM*151*20110909 SLN*001**A SAC*N**EU*MSC001*231*****001**Illinois State Electricity Excise Tax TXI*SE*2.31****2*A SLN*002**A SAC*N**EU*MSC001*90*****002**Electric Distribution Tax TXI*ZZ*.9****2*A TDS*44148 SE*89*0001 </p>
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Sample Ameren Multiple Service Point including Lighting

<p>ST*810*0001 BIG*20110913*7777740000201109130001*****ME*00 NTE*ADD*Visit AmerenIllinois.com to view bill inserts which contain useful and NTE*ADD*important information about ways to save energy and safety around NTE*ADD*electricity and natural gas. REF*12*7777740000 REF*BLT*ESP N1*8S*AMEREN ILLINOIS*1*006936017 N3*P.O. Box 66884 N4*St. Louis*MO*63166 N1*SJ*Supplier Name*1*111111111 N1*8R*CUSTOMER NAME ITD*****20110928 BAL*M*YB*644.21 IT1*001*****SV*ELECTRIC*C3*METER MEA*AA*UG*17960*KH*6123*6572*51 MEA**MU*40 REF*MG*00000830 REF*NH*C02*Total kWh REF*LU*11116552 DTM*150*20110811 DTM*151*20110912 IT1*002*****SV*ELECTRIC*C3*RATE REF*NH*C02*DS - Small General Service (DS) REF*LU*11116552 DTM*150*20110811 DTM*151*20110912 SLN*001**A SAC*C**EU*BAS001*2022*****001**Customer Charge SLN*002**A SAC*C**EU*BAS001*724*****002**Meter Charge SLN*003**A SAC*C**EU*DIS001*47504***.02645*KH*17960***003**Distribution Deliv Chg Summer SLN*004**A SAC*A**EU*CRE001*-21*****004**Single Bill Option Credit SLN*005**A SAC*C**EU*MSC023*3215***.00179*KH*17960***005**Rider EDR Charge IT1*003*****SV*ELECTRIC*C3*RATE REF*NH*000*Taxes REF*LU*11116552 DTM*150*20110811 DTM*151*20110912 SLN*001**A SAC*N**EU*MSC001*5751*****001**Illinois State Electricity Excise Tax TXI*SE*57.51****2*A SLN*002**A SAC*N**EU*MSC001*2443*****002**Electric Distribution Tax TXI*ZZ*24.43****2*A IT1*004*****SV*ELECTRIC*C3*RATE REF*NH*C05*DS - Non-Residential Lighting REF*LU*22226618 DTM*150*20110811 DTM*151*20110912 SLN*001**A SAC*C**EU*ODL001*2293*****001**Lighting Charge SLN*002**A SAC*C**EU*DIS001*350***.01497*KH*234***002**Distribution Delivery Charge SLN*003**A SAC*C**EU*MSC023*42***.00179*KH*234***003**Rider EDR Charge </p>	<p>IT1*005*****SV*ELECTRIC*C3*RATE REF*NH*000*Taxes REF*LU*22226618 DTM*150*20110811 DTM*151*20110912 SLN*001**A SAC*N**EU*MSC001*77*****001**Illinois State Electricity Excise Tax TXI*SE*.77****2*A SLN*002**A SAC*N**EU*MSC001*21*****002**Electric Distribution Tax TXI*ZZ*.21****2*A TDS*64421 SE*72*0001 </p>
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Sample ComEd Multiple Meter including Lighting

ST~810~00000001	SAC~C~EU~SMD016~794~Standard Metering Charge
BIG~20110927~100000700020110927~ME~00	SLN~000000004~A
REF~12~1234560000	SAC~C~EU~DIS001~2621~5.15~K1~5.09~Distribution Facilities Charge
REF~BLT~ESP	SLN~000000005~A
REF~60~2011-09-27-19.00.00.000001	SAC~A~EU~CRE000~40~Single Bill Option Credit
REF~60~2011-09-27-21.00.00.000008	SLN~000000006~A
N1~8S~COMMONWEALTH EDISON CO~1~006929509	SAC~C~EU~DIS001~40~.00123~KH~326~IL Electricity Distribution Charge
N1~SJ~Supplier Name~9~111111111ABCD	SLN~000000007~A
N1~8R~CUSTOMER NAME	SAC~C~EU~FAC002~667~Meter Lease
ITD~20111128	SLN~000000008~A
BAL~M~YB~252.1	SAC~C~EU~FAC002~2220~Nonstandard Facilities Charge
IT1~000000001~SV~ELECTRIC~C3~METER INFORMATION	SLN~000000009~A
MEA~AA~UG~51~KH~1678~1729	SAC~C~EU~ADJ001~23~Smart Meter Program
MEA~MU~1	SLN~000000010~A
REF~MG~111111494	SAC~A~EU~ADJ001~-1~.00003~KH~326~Environmental Cost Recovery
REF~QY~General Service	Adj
REF~KK~Total kWh	SLN~000000011~A
DTM~151~20110927	SAC~C~EU~ENC001~53~.00162~KH~326~Energy Efficiency Programs
IT1~000000002~SV~ELECTRIC~C3~METER INFORMATION	SLN~000000012~A
MEA~AA~UG~2.59~K1~52.11~54.7	SAC~C~EU~ST~108~State Tax
MEA~MU~1	TXI~ST~1.08~O
REF~MG~111111494	SLN~000000013~A
REF~QY~General Service	SAC~N~EU~MSC000~8167~Total Current Charges
REF~KK~kW	IT1~000000010~SV~ELECTRIC~C3~TARIFF INFORMATION
DTM~151~20110927	PID~F~32 Days
IT1~000000003~SV~ELECTRIC~C3~METER INFORMATION	REF~QY~Retail Delivery Service - Com Fixture Include
MEA~AA~UG~139~KH~11998~12137	DTM~150~20110826
MEA~MU~1	DTM~151~20110927
REF~MG~222222420	IT1~000000011~SV~ELECTRIC~C3~CURRENT PERIOD
REF~QY~General Service	SLN~000000014~A
REF~KK~Total kWh	SAC~C~EU~DIS001~7069~Lighting - Additional Equipment
DTM~151~20110927	SLN~000000015~A
IT1~000000004~SV~ELECTRIC~C3~METER INFORMATION	SAC~C~EU~DIS001~9432~Additional Facilities Charge
MEA~AA~UG~2.01~K1~123.59~125.6	SLN~000000016~A
MEA~MU~1	SAC~C~EU~DIS001~108~.00122~KH~888~IL Electricity Distribution Charge
REF~MG~222222420	SLN~000000017~A
REF~QY~General Service	SAC~A~EU~ADJ001~-3~.00003~KH~888~Environmental Cost Recovery
REF~KK~kW	Adj
DTM~151~20110927	SLN~000000018~A
IT1~000000005~SV~ELECTRIC~C3~METER INFORMATION	SAC~C~EU~ENC001~144~.00162~KH~888~Energy Efficiency Programs
MEA~AA~UG~136~KH~2629~2765	SLN~000000019~A
MEA~MU~1	SAC~C~EU~ST~293~State Tax
REF~MG~333333262	TXI~ST~2.93~O
REF~QY~General Service	SLN~000000020~A
REF~KK~Total kWh	SAC~N~EU~MSC000~17043~Total Current Charges
DTM~151~20110927	IT1~000000012~SV~ELECTRIC~C3~OTHER CHARGES
IT1~000000006~SV~ELECTRIC~C3~METER INFORMATION	SLN~000000021~A
MEA~AA~UG~.49~K1~25~25.49	SAC~N~EU~MSC000~25011~Payment
MEA~MU~1	SLN~000000022~A
REF~MG~333333262	SAC~N~EU~MSC000~25210~Total Amount Due
REF~QY~General Service	IT1~000000013~SV~ELECTRIC~C3~WEATHER
REF~KK~kW	SLN~000000001~A
DTM~151~20110927	SAC~N~EU~WWWWW~Month Billed
IT1~000000007~SV~ELECTRIC~C3~LIGHTING INFORMATION	Avg Daily Temp
SLN~000000001~A	SLN~000000002~A
SAC~N~EU~LIGHT~EA~12~175 W/8600 Lum M V	SAC~N~EU~WWWWW~Current Month
IT1~000000008~SV~ELECTRIC~C3~TARIFF INFORMATION	65
PID~F~32 Days	SLN~000000003~A
REF~QY~Retail Delivery Service - 0 to 100 kW	SAC~N~EU~WWWWW~Last Month
DTM~150~20110826	SLN~000000004~A
DTM~151~20110927	SAC~N~EU~WWWWW~Last Year
IT1~000000009~SV~ELECTRIC~C3~CURRENT PERIOD	7.24
SLN~000000002~A	18.18
SAC~C~EU~BAS001~1682~Customer Charge	69
SLN~000000003~A	TDS~25210
	SE~124~000000001

Sample ComEd Lighting Only

ST>810>00000001
 BIG>20111005>000000301920111005>>>>>ME>00
 REF>12>0000003019
 REF>BLT>ESP
 REF>60>2011-10-05-21.57.30.012345
 N1>8S>COMMONWEALTH EDISON CO>1>006929509
 N1>SJ>Supplier Name>1>111111111
 N1>8R>CUSTOMER NAME
 ITD>>>>>20111020
 BAL>M>YB>375.44
IT1>000000001>>>>>SV>ELECTRIC>C3>LIGHTING INFORMATION
 SLN>000000001>>A
 SAC>N>>EU>LIGHT>>>>>EA>22>>>>>250 W/30000 HPS Fld
IT1>000000002>>>>>SV>ELECTRIC>C3>TARIFF INFORMATION
 PID>F>>>> 29 Days
 REF>QY>>Retail Delivery Service - Com Fixture Include
 DTM>150>20110906
 DTM>151>20111005
IT1>000000003>>>>>SV>ELECTRIC>C3>CURRENT PERIOD
 SLN>000000002>>A
 SAC>C>>EU>BAS001>534>>>>>>>>>Customer Charge
 SLN>000000003>>A
 SAC>C>>EU>DIS001>13379>>>>>>>>>>Lighting - Additional Equipment
 SLN>000000004>>A
 SAC>C>>EU>MSC000>19975>>>>>>>>>>Additional Facilities Charge
 SLN>000000005>>A
 SAC>A>>EU>CRE000>-40>>>>>>>>>>Single Bill Option Credit
 SLN>000000006>>A
 SAC>C>>EU>DIS001>274>>>.00122>KH>2244>>>>>>>>IL Electricity
 Distribution Charge
 SLN>000000007>>A
 SAC>A>>EU>ADJ001>-7>>>>.00003>KH>2244>>>>>>>>Environmental Cost
 Recovery Adj
 SLN>000000008>>A
 SAC>C>>EU>ENC001>364>>>.00162>KH>2244>>>>>>>>Energy Efficiency
 Programs
 SLN>000000009>>A
 SAC>C>>EU>FR>1057>>>.03143>DO>336.28>>>>>>>>>Franchise Cost
 TXI>FR>10.57>>>>>O
 SLN>000000010>>A
 SAC>C>>EU>ST>738>>>>>>>>>>State Tax
 TXI>ST>7.38>>>>>O
 SLN>000000011>>A
 SAC>C>>EU>MP>1270>>>>>>>>>>Municipal Tax
 TXI>MP>12.7>>>>>O
 SLN>000000012>>A
 SAC>N>>EU>MSC000>37544>>>>>>>>>>Total Current Charges
IT1>000000004>>>>>SV>ELECTRIC>C3>OTHER CHARGES
 SLN>000000013>>A
 SAC>N>>EU>MSC000>37544>>>>>>>>>>Payment
 SLN>000000014>>A
 SAC>N>>EU>MSC000>37544>>>>>>>>>>Total Amount Due
IT1>000000005>>>>>SV>ELECTRIC>C3>WEATHER
 SLN>000000001>>A
 SAC>N>>EU>WWWWW>>>>>>>>>>>>>>>Month Billed Total Demand Avg
 Daily kWh Avg Dail
 SLN>000000002>>A
 SAC>N>>EU>WWWWW>>>>>>>>>>>>>>>Current Month 0.00 0.00
 SLN>000000003>>A
 SAC>N>>EU>WWWWW>>>>>>>>>>>>>>>Last Month 0.00 0.00
 SLN>000000004>>A
 SAC>N>>EU>WWWWW>>>>>>>>>>>>>>>Last Year 0.00 0.00
 TDS>37544
 SE>60>000000001

Sample Ameren Meter Exchange with Time of Use

<p>ST*810*0002 BIG*20110901*1234567890201109020001*****ME*00 NTE*ADD*Visit AmerenIllinois.com to view bill inserts which contain useful and NTE*ADD*important information about ways to save energy and safety around NTE*ADD*electricity and natural gas. REF*12*1234567890 REF*BLT*ESP N1*8S*AMEREN ILLINOIS*1*006936017 N3*P.O. Box 66893 N4*St. Louis*MO*63166 N1*SJ*RES Name*1*123456789 N1*8R*CUSTOMER NAME ITD*****20110916 BAL*M*YB*8917.39 IT1*001*****SV*ELECTRIC*C3*METER MEA*AA*UG*233.85*K2*0*233.85*51 REF*MG*METER#1 REF*NH*C04*Peak KVAR REF*LU*10969607 DTM*150*20110731 DTM*151*20110831 IT1*002*****SV*ELECTRIC*C3*METER MEA*AA*UG*362.88*K2*0*362.88*51 REF*MG*METER#2 REF*NH*C04*Peak KVAR REF*LU*10969527 DTM*150*20110731 DTM*151*20110831 IT1*003*****SV*ELECTRIC*C3*METER MEA*AA*UG*494.2*K1*0*494.2*41 REF*MG*METER#1 REF*NH*C04*Off Peak kW REF*LU*10969527 DTM*150*20110731 DTM*151*20110831 IT1*004*****SV*ELECTRIC*C3*METER MEA*AA*UG*946.36*K1*0*946.36*41 REF*MG*METER#2 REF*NH*C04*Off Peak kW REF*LU*10969527 DTM*150*20110731 DTM*151*20110831 IT1*005*****SV*ELECTRIC*C3*METER MEA*AA*UG*528.19*K1*0*528.19*42 REF*MG*METER#1 REF*NH*C04*On Peak kW REF*LU*10969527 DTM*150*20110731 DTM*151*20110831 IT1*006*****SV*ELECTRIC*C3*METER MEA*AA*UG*847.29*K1*0*847.29*42 REF*MG*METER#2 REF*NH*C04*On Peak kW REF*LU*10969527 DTM*150*20110731 DTM*151*20110831 IT1*007*****SV*ELECTRIC*C3*METER MEA*AA*UG*93319*KH*0*93319*42 REF*MG*METER#1 REF*NH*C04*On Peak kWh REF*LU*10969527 DTM*150*20110731 DTM*151*20110831 </p>	<p>IT1*008*****SV*ELECTRIC*C3*METER MEA*AA*UG*217198*KH*0*217198*51 REF*MG*METER#1 REF*NH*C04*Total kWh REF*LU*10969527 DTM*150*20110731 DTM*151*20110831 IT1*009*****SV*ELECTRIC*C3*METER MEA*AA*UG*430009*KH*0*430009*51 REF*MG*METER#2 REF*NH*C04*Total kWh REF*LU*10969527 DTM*150*20110731 DTM*151*20110831 IT1*010*****SV*ELECTRIC*C3*METER MEA*AA*UG*195175*KH*0*195175*42 REF*MG*METER#2 REF*NH*C04*On Peak kWh REF*LU*10969527 DTM*150*20110731 DTM*151*20110831 IT1*011*****SV*ELECTRIC*C3*METER MEA*AA*UG*234834*KH*0*234834*41 REF*MG*METER#2 REF*NH*C04*Off Peak kWh REF*LU*10969527 DTM*150*20110731 DTM*151*20110831 IT1*012*****SV*ELECTRIC*C3*METER MEA*AA*UG*494.2*K1*0*494.2*51 REF*MG*METER#1 REF*NH*C04*Peak kW REF*LU*10969527 DTM*150*20110731 DTM*151*20110831 IT1*013*****SV*ELECTRIC*C3*METER MEA*AA*UG*946.36*K1*0*946.36*51 REF*MG*METER#2 REF*NH*C04*Peak kW REF*LU*10969527 DTM*150*20110731 DTM*151*20110831 IT1*014*****SV*ELECTRIC*C3*METER MEA*AA*UG*123879*KH*0*123879*41 REF*MG*METER#1 REF*NH*C04*Off Peak kWh REF*LU*10969527 DTM*150*20110731 DTM*151*20110831 IT1*015*****SV*ELECTRIC*C3*RATE REF*NH*C04*DS - Lg General Svc (DS-4) 100 REF*LU*10969527 DTM*150*20110731 DTM*151*20110831 SLN*001**A SAC*C**EU*BAS001*17324*****001**Customer Charge SLN*002**A SAC*C**EU*BAS001*3351*****002**Meter Charge SLN*003**A SAC*C**EU*DMD005*328332***2.387*K1*1375.5***003**Distribution Delivery kW Chg SLN*004**A SAC*C**EU*MSC001*95979***.65*K1*1476.6***004**Transformation Charge SLN*005**A </p>
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SAC*C**EU*DMD004*17304***.29*K2*596.7***005**Reactive Demand
Charge|
SLN*006**A|
SAC*A**EU*CRE001*-21*****006**Single Bill Option Credit|
SLN*007**A|
SAC*C**EU*MSC023*63426***.00098*KH*647207***007**Rider EDR
Charge|
IT1*016***SV*ELECTRIC*C3*RATE|**
REF*NH*000*Taxes|
REF*LU*10969527|
DTM*150*20110731|
DTM*151*20110831|
SLN*001**A|
SAC*N**EU*MSC001*152016*****001**Municipal Charge|
TXI*MP*1520.16****2*A|
SLN*002**A|
SAC*N**EU*MSC001*192023*****002**Illinois State Electricity
Excise Tax|
TXI*SE*1920.23****2*A|
SLN*003**A|
SAC*N**EU*MSC001*22005*****003**Electric Distribution Tax|
TXI*ZZ*220.05****2*A|
TDS*891739|
SE*147*0002|

Sample ComEd Meter Exchange

SBO 810 example showing a meter exchanged effective 2011-10-17 and billed from 2011-10-03 to 2011-10-28. The old meter is 117873179, the new meter is 141619555.

<p>ST*810*000000001 BIG*20111028*111115803320111028*****ME*00 REF*12*1111158033 REF*BLT*ESP REF*GO*2011-10-28-19.48.08.001234 N1*8S*COMMONWEALTH EDISON CO*1*006929509 N1*SJ*Supplier Name*1*111111111 N1*8R*CUSTOMER NAME ITD*****20111114 BAL*M*YB*273.85 IT1*000000001*****SV*ELECTRIC*C3*METER INFORMATION MEA*AA*UG*3900*KH*19466*19531 MEA**MU*60 REF*MG*117873179 REF*QY**General Service REF*KK**Total kWh DTM*151*20111017 IT1*000000002*****SV*ELECTRIC*C3*METER INFORMATION MEA*AA*UG*25.2*K1*44.75*45.17 MEA**MU*60 REF*MG*117873179 REF*QY**General Service REF*KK**kW DTM*151*20111017 IT1*000000003*****SV*ELECTRIC*C3*METER INFORMATION MEA*AA*UG*2940*KH*0*49 MEA**MU*60 REF*MG*141619555 REF*QY**General Service REF*KK**Total kWh DTM*151*20111028 IT1*000000004*****SV*ELECTRIC*C3*METER INFORMATION MEA*AA*UG*20.4*K1*0*.34 MEA**MU*60 REF*MG*141619555 REF*QY**General Service REF*KK**kW DTM*151*20111028 IT1*000000005*****SV*ELECTRIC*C3*TARIFF INFORMATION PID*F**** 25 Days REF*QY**Retail Delivery Service - 0 to 100 kW DTM*150*20111003 DTM*151*20111028 IT1*000000006*****SV*ELECTRIC*C3*CURRENT PERIOD SLN*000000001**A SAC*C**EU*BAS001*1682*****Customer Charge SLN*000000002**A SAC*C**EU*SMD016*794*****Standard Metering Charge SLN*000000003**A SAC*C**EU*DIS001*12978***5.15*K1*25.2*****Distribution Facilities Charge SLN*000000004**A SAC*A**EU*CRE000*-40*****Single Bill Option Credit SLN*000000005**A SAC*C**EU*DIS001*841***.00123*KH*6840*****IL Electricity Distribution Charge SLN*000000006**A SAC*C**EU*FAC002*3914*****Nonstandard Facilities Charge SLN*000000007**A SAC*C**EU*ADJ001*23*****Smart Meter Program SLN*000000008**A SAC*A**EU*ADJ001*-21***-.00003*KH*6840*****Environmental Cost</p>	<p>Recovery Adj SLN*000000009**A SAC*C**EU*ENC001*1081***.00158*KH*6840*****Energy Efficiency Programs SLN*000000010**A SAC*C**EU*FR*872***.04434*DO*196.75*****Franchise Cost TXI*FR*8.72*****O SLN*000000011**A SAC*C**EU*ST*2204*****State Tax TXI*ST*22.04*****O SLN*000000012**A SAC*C**EU*MP*3057*****Municipal Tax TXI*MP*30.57*****O SLN*000000013**A SAC*N**EU*MSC000*27385*****Total Current Charges IT1*000000007*****SV*ELECTRIC*C3*OTHER CHARGES SLN*000000014**A SAC*N**EU*MSC000*33079*****Payment SLN*000000015**A SAC*N**EU*MSC000*27385*****Total Amount Due IT1*000000008*****SV*ELECTRIC*C3*WEATHER SLN*000000001**A SAC*N**EU*WWWWW*****Month Billed Total Demand Avg Daily kWh Avg Dail SLN*000000002**A SAC*N**EU*WWWWW*****Current Month 25.20 273.60 SLN*000000003**A SAC*N**EU*WWWWW*****Last Month 30.60 290.90 SLN*000000004**A SAC*N**EU*WWWWW*****Last Year 23.40 354.19 TDS*27385 SE*89*000000001</p>
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Sample Ameren Late Payment Charge

BIG*20111025*1234567890201110250005*****ME*00|
 NTE*ADD*Visit AmerenIllinois.com to view bill inserts which contain
 useful and|
 NTE*ADD*important information about ways to save energy and safety
 around|
 NTE*ADD*electricity and natural gas.|
 REF*12*123456789|
 REF*BLT*ESP|
 N1*8S*AMEREN ILLINOIS*1*006936017|
 N3*P.O. Box 66884|
 N4*St. Louis*MO*63166|
 N1*SJ*RES Name*1*123456789|
 N1*8R*CUSTOMER NAME|
 ITD*****20111227|
 BAL*M*J9*339.05|
 BAL*M*YB*558.28|
IT1*001***SV*ELECTRIC*C3*METER|**
 MEA*AA*UG*1480*KH*64*101*51|
 MEA**MU*40|
 REF*MG*12345678|
 REF*NH*D02*Total kWh|
 REF*LU*87654321|
 DTM*150*20110921|
 DTM*151*20111020|
IT1*002***SV*ELECTRIC*C3*RATE|**
 REF*NH*D02*DS - Small General Service (DS)|
 REF*LU*87654321|
 DTM*150*20110921|
 DTM*151*20111020|
 SLN*001**A|
 SAC*C**EU*BAS001*1487*****001**Customer Charge|
 SLN*002**A|
 SAC*C**EU*BAS001*724*****002**Meter Charge|
 SLN*003**A|
 SAC*C**EU*DIS001*1773***.03862*KH*459***003**Distribution Deliv
 Chg Summer|
 SLN*004**A|
 SAC*C**EU*DIS001*2211***.02166*KH*1021***004**Distribution Deliv
 Chg Non-Summer|
 SLN*005**A|
 SAC*C**EU*ADJ002*17***.0001154*KH*1480***005**Electric
 Environmental Adj|
 SLN*006**A|
 SAC*C**EU*MSC023*265***.00179*KH*1480***006**Rider EDR
 Charge|
IT1*003***SV*ELECTRIC*C3*RATE|**
 REF*NH*000*Taxes|
 REF*LU*87654321|
 DTM*150*20110921|
 DTM*151*20111020|
 SLN*001**A|
 SAC*N**EU*MSC001*488*****001**Illinois State Electricity Excise
 Tax|
 TXI*SE*4.88***2*A|
 SLN*002**A|
 SAC*N**EU*MSC001*292*****002**EDT Cost Recovery|
 TXI*ZZ*2.92***2*A|
IT1*004***SV*ELECTRIC*C3*METER|**
 MEA*AA*UG*3840*KH*89*99*51|
 MEA**MU*384|
 REF*MG*234567890|
 REF*NH*D02*Total kWh|
 REF*LU*09876543|
 DTM*150*20110921|
 DTM*151*20111020|

IT1*005***SV*ELECTRIC*C3*RATE|**
 REF*NH*D02*DS - Small General Service (DS)|
 REF*LU*09876543|
 DTM*150*20110921|
 DTM*151*20111020|
 SLN*001**A|
 SAC*C**EU*BAS001*2020*****001**Customer Charge|
 SLN*002**A|
 SAC*C**EU*BAS001*724*****002**Meter Charge|
 SLN*003**A|
 SAC*C**EU*DIS001*4604***.03862*KH*1192***003**Distribution Deliv
 Chg Summer|
 SLN*004**A|
 SAC*C**EU*DIS001*2987***.02166*KH*1379***004**Distribution Deliv
 Chg Non-Summer|
 SLN*005**A|
 SAC*C**EU*DIS001*1571***.01238*KH*1269***005**Distribution Deliv
 Chg Non-Summer|
 SLN*006**A|
 SAC*A**EU*CRE001*-21*****006**Single Bill Option Credit|
 SLN*007**A|
 SAC*C**EU*ADJ002*44***.0001154*KH*3840***007**Electric
 Environmental Adj|
 SLN*008**A|
 SAC*C**EU*MSC023*687***.00179*KH*3840***008**Rider EDR
 Charge|
IT1*006***SV*ELECTRIC*C3*RATE|**
 REF*NH*000*Taxes|
 REF*LU*09876543|
 DTM*150*20110921|
 DTM*151*20111020|
 SLN*001**A|
 SAC*N**EU*MSC001*1247*****001**Illinois State Electricity Excise
 Tax|
 TXI*SE*12.47***2*A|
 SLN*002**A|
 SAC*N**EU*MSC001*756*****002**EDT Cost Recovery|
 TXI*ZZ*7.56***2*A|
IT1*007***C3*ACCOUNT|**
 SLN*001**A|
 SAC*N**EU*PRB001*23898*****001**Prior Electric Service
 Amount|
 SLN*002**A|
 SAC*C**EU*LPC001*47*****002**Electric Late Payment Charge|
 SLN*003**A|
 SAC*N**EU*PRB001*5340*****003**Prior Electric Service Amount|
 TDS*21923|
 SE*100*0112|

Sample ComEd 12 Meters with Late Payment Charges for Current & Prior Period

ST~810~000000001	REF~QY~Dusk to Dawn
BIG~20110928~100000700020110928~ME~00	REF~KK~Total kWh
REF~12~222223333	DTM~151~20110927
REF~BLT~ESP	IT1~000000011~SV~ELECTRIC~C3~METER INFORMATION
REF~6O~2011-09-27-00.00.00.172000	MEA~AA~UG~1578.6612~KH
N1~8S~COMMONWEALTH EDISON CO~1~006929509	REF~MG~000000090
N1~SJ~Supplier Name~1~111111111	REF~QY~Dusk to Dawn
N1~8R~CUSTOMER NAME	REF~KK~Total kWh
ITD~20111114	DTM~151~20110927
BAL~M~YB~3548.24	IT1~000000012~SV~ELECTRIC~C3~METER INFORMATION
IT1~000000001~SV~ELECTRIC~C3~METER INFORMATION	MEA~AA~UG~2666.349~KH
MEA~AA~UG~4058.712~KH	REF~MG~000000091
REF~MG~000000561	REF~QY~Dusk to Dawn
REF~QY~Dusk to Dawn	REF~KK~Total kWh
REF~KK~Total kWh	DTM~151~20110927
DTM~151~20110927	IT1~000000013~SV~ELECTRIC~C3~TARIFF INFORMATION
IT1~000000002~SV~ELECTRIC~C3~METER INFORMATION	PID~F~32 Days
MEA~AA~UG~1808.0604~KH	REF~QY~Retail Delivery Service - Com DD - metered
REF~MG~000000780	DTM~150~20110826
REF~QY~Dusk to Dawn	DTM~151~20110927
REF~KK~Total kWh	IT1~000000014~SV~ELECTRIC~C3~CURRENT PERIOD
DTM~151~20110927	SLN~000000001~A
IT1~000000003~SV~ELECTRIC~C3~METER INFORMATION	SAC~C~EU~SMD016~1751~.00049~KH~35727~Standard Metering Charge
MEA~AA~UG~4180.4748~KH	SLN~000000002~A
REF~MG~000000870	SAC~C~EU~DIS001~17864~.005~KH~35727~Distribution Facilities Charge
REF~QY~Dusk to Dawn	SLN~000000003~A
REF~KK~Total kWh	SAC~A~EU~CRE000~-40~Single Bill Option Credit
DTM~151~20110927	SLN~000000004~A
IT1~000000004~SV~ELECTRIC~C3~METER INFORMATION	SAC~C~EU~DIS001~4359~.00122~KH~35727~IL Electricity Distribution Charge
MEA~AA~UG~1647.4878~KH	SLN~000000005~A
REF~MG~000000011	SAC~A~EU~ADJ001~-107~.00003~KH~35727~Environmental Cost Recovery Adj
REF~QY~Dusk to Dawn	SLN~000000006~A
REF~KK~Total kWh	SAC~C~EU~ENC001~5788~.00162~KH~35727~Energy Efficiency Programs
DTM~151~20110927	SLN~000000007~A
IT1~000000005~SV~ELECTRIC~C3~METER INFORMATION	SAC~C~EU~FR~840~.03502~DO~239.74~Franchise Cost
MEA~AA~UG~2987.28~KH	TXI~FR~8.4~O
REF~MG~000000064	SLN~000000008~A
REF~QY~Dusk to Dawn	SAC~C~EU~ST~11419~State Tax
REF~KK~Total kWh	TXI~ST~114.19~O
DTM~151~20110927	SLN~000000009~A
IT1~000000006~SV~ELECTRIC~C3~METER INFORMATION	SAC~N~EU~MSC000~41874~Total Current Charges
MEA~AA~UG~5121.5508~KH	IT1~000000015~SV~ELECTRIC~C3~OTHER CHARGES
REF~MG~000000065	SLN~000000010~A
REF~QY~Dusk to Dawn	SAC~N~EU~MSC000~31885~Payment
REF~KK~Total kWh	SLN~000000011~A
DTM~151~20110927	SAC~C~EU~LPC001~2356~Current late payment charge (s) - electric
IT1~000000007~SV~ELECTRIC~C3~METER INFORMATION	SLN~000000012~A
MEA~AA~UG~1408.0698~KH	SAC~C~EU~LPC001~16281~Previous late payment charge (s) - electric
REF~MG~000000066	SLN~000000013~A
REF~QY~Dusk to Dawn	SAC~C~EU~PRB001~294313~Charges from previous bill
REF~KK~Total kWh	SLN~000000014~A
DTM~151~20110927	SAC~N~EU~MSC000~312950~Total Other Charges
IT1~000000008~SV~ELECTRIC~C3~METER INFORMATION	SLN~000000015~A
MEA~AA~UG~3864.7836~KH	SAC~N~EU~MSC000~354824~Total Amount Due
REF~MG~000000067	IT1~000000016~SV~ELECTRIC~C3~WEATHER
REF~QY~Dusk to Dawn	SLN~000000001~A
REF~KK~Total kWh	SAC~N~EU~WWWWW~Month Billed Total Demand Avg Daily kWh Avg
DTM~151~20110927	Daily Temp
IT1~000000009~SV~ELECTRIC~C3~METER INFORMATION	SLN~000000002~A
MEA~AA~UG~5502.483~KH	SAC~N~EU~WWWWW~Current Month 0.00 1116.46 62
REF~MG~000000082	SLN~000000003~A
REF~QY~Dusk to Dawn	SAC~N~EU~WWWWW~Last Month 0.00 986.31 72
REF~KK~Total kWh	SLN~000000004~A
DTM~151~20110927	SAC~N~EU~WWWWW~Last Year 0.00 1115.15 66
IT1~000000010~SV~ELECTRIC~C3~METER INFORMATION	TDS~354824
MEA~AA~UG~902.6442~KH	SE~132~000000001
REF~MG~000000088	

Sample Ameren Deduct Lighting

<p>ST*810*0092 BIG*20111007*1234567890201110070005*****ME*00 NTE*ADD*Visit AmerenIllinois.com to view bill inserts which contain useful and NTE*ADD*important information about ways to save energy and safety around NTE*ADD*electricity and natural gas. REF*12*1234567890 REF*BLT*ESP N1*8S*AMEREN ILLINOIS*1*006936017 N3*P.O. Box 66893 N4*St. Louis*MO*63166 N1*SJ*RES Name*1*123456789 N1*8R*CUSTOMER NAME ITD*****20111209 BAL*M*YB*2989.58 IT1*001*****SV*ELECTRIC*C3*RATE REF*NH*D05*DS - Non-Residential Lighting REF*LU*43659142 DTM*150*20110907 DTM*151*20111006 SLN*001**A SAC*C**EU*ODL001*4886*****001**Lighting Charge SLN*002**A SAC*C**EU*DIS001*890***.01531*KH*581***002**Distribution Delivery Charge SLN*003**A SAC*C**EU*ADJ002*70***.0012095*KH*581***003**Electric Environmental Adj SLN*004**A SAC*C**EU*MSC023*104***.00179*KH*581***004**Rider EDR Charge IT1*002*****SV*ELECTRIC*C3*RATE REF*NH*000*Taxes REF*LU*43659142 DTM*150*20110907 DTM*151*20111006 SLN*001**A SAC*N**EU*MSC001*302*****001**Municipal Charge TX *MP*3.02****2*A SLN*002**A SAC*N**EU*MSC001*192*****002**Illinois State Electricity Excise Tax TX *SE*1.92****2*A SLN*003**A SAC*N**EU*MSC001*80*****003**EDT Cost Recovery TX *ZZ*.8****2*A IT1*003*****SV*ELECTRIC*C3*METER MEA*AA*UG*61466*KH*0*61466*51 REF*MG*35721391 REF*NH*D03*Total kWh REF*LU*43655218 DTM*150*20110908 DTM*151*20111006 IT1*004*****SV*ELECTRIC*C3*UNMET MEA*AA*UG*-67*KH*5008*5075*42 MEA**MU*-1 REF*NH*D03*On Peak kWh REF*LU*43655218 DTM*150*20110908 DTM*151*20111006 IT1*005*****SV*ELECTRIC*C3*UNMET MEA*AA*UG*-475*KH*35756*36231*51 MEA**MU*-1 REF*NH*D03*Total kWh REF*LU*43655218 </p>	<p>DTM*150*20110908 DTM*151*20111006 IT1*006*****SV*ELECTRIC*C3*METER MEA*AA*UG*33158*KH*0*33158*42 REF*MG*35729113 REF*NH*D03*On Peak kWh REF*LU*43652518 DTM*150*20110908 DTM*151*20111006 IT1*007*****SV*ELECTRIC*C3*UNMET MEA*AA*UG*-409*KH*30751*31160*41 MEA**MU*-1 REF*NH*D03*Off Peak kWh REF*LU*43652518 DTM*150*20110908 DTM*151*20111006 IT1*008*****SV*ELECTRIC*C3*METER MEA*AA*UG*28308*KH*0*28308*41 REF*MG*35721391 REF*NH*D03*Off Peak kWh REF*LU*43655218 DTM*150*20110908 DTM*151*20111006 IT1*009*****SV*ELECTRIC*C3*METER MEA*AA*UG*271.8*K1*0*271.8*51 REF*MG*35721391 REF*NH*D03*Peak kW REF*LU*43655218 DTM*150*20110908 DTM*151*20111006 IT1*010*****SV*ELECTRIC*C3*METER MEA*AA*UG*271.8*K1*0*271.8*42 REF*MG*35721391 REF*NH*D03*On Peak kW REF*LU*43655218 DTM*150*20110908 DTM*151*20111006 IT1*011*****SV*ELECTRIC*C3*METER MEA*AA*UG*231.96*K1*0*231.96*41 REF*MG*35721391 REF*NH*D03*Off Peak kWh REF*LU*43652518 DTM*150*20110908 DTM*151*20111006 IT1*012*****SV*ELECTRIC*C3*RATE REF*NH*D03*DS - General Service (DS-3) Le REF*LU*43655218 DTM*150*20110908 DTM*151*20111006 SLN*001**A SAC*C**EU*BAS001*72455*****001**Customer Charge SLN*002**A SAC*C**EU*BAS001*2723*****002**Meter Charge SLN*003**A SAC*C**EU*DMD005*157753***5.804*K1*271.8***003**Distribution Delivery kW Chg SLN*004**A SAC*A**EU*CRE001*-21*****004**Single Bill Option Credit SLN*005**A SAC*C**EU*ADJ002*143***.0000234*KH*60991***005**Electric Environmental Adj SLN*006**A SAC*C**EU*MSC023*10917***.00179*KH*60991***006**Rider EDR Charge IT1*013*****SV*ELECTRIC*C3*RATE </p>
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REF*NH*000*Taxes|
REF*LU*43655218|
DTM*150*20110908|
DTM*151*20111006|
SLN*001**A|
SAC*N**EU*MSC001*20745*****001**Municipal Charge|
TXI*MP*207.45****2*A|
SLN*002**A|
SAC*N**EU*MSC001*19302*****002**Illinois State Electricity Excise
Tax|
TXI*SE*193.02****2*A|
SLN*003**A|
SAC*N**EU*MSC001*8417*****003**EDT Cost Recovery|
TXI*ZZ*84.17****2*A|
TDS*298958|
SE*137*0092|

Sample ComEd Account with Budget Billing and a Deferred Payment Agreement

ST*810*00000001	IT1*00000005*****SV*ELECTRIC*C3*BUDGET
BIG*20110916*000007105020110916*****ME*00	SLN*00000001**A
REF*12*0000071050	SAC*N**EU*BUDGET*14800*****Current Budget Billing Amount
REF*11*1111100310	SLN*00000002**A
REF*BLT*ESP	SAC*N**EU*BUDGET*-8770*****Current Budget Balance
REF*6O*2011-09-16-19.38.28.012345	SLN*00000003**A
N1*8S*COMMONWEALTH EDISON CO*1*006929509	SAC*N**EU*BUDGET*0*****Last Month Budget Balance
N1*SJ*SUPPLIER NAME*1*111111111	SLN*00000004**A
N1*8R*CUSTOMER NAME	SAC*N**EU*BUDGET*-8770*****Total Budget Balance
ITD*****20111010	IT1*00000006*****SV*ELECTRIC*C3*WEATHER
BAL*M*YB*169.56	SLN*00000001**A
INC*04*MO*1*11*237.16	SAC*N**EU*WWWWW*****Month Billed Total Demand Avg
IT1*00000001*****SV*ELECTRIC*C3*METER INFORMATION	Daily kWh Avg Dai
MEA*AA*UG*1330*KH*80930*82260	SLN*00000002**A
MEA**MU*1	SAC*N**EU*WWWWW*****Current Month 0.00
REF*MG*140051111	44.33
REF*QY**General Service	SLN*00000003**A
REF*KK**Total kWh	SAC*N**EU*WWWWW*****Last Month 0.00 64.65
DTM*151*20110916	SLN*00000004**A
IT1*00000002*****SV*ELECTRIC*C3*TARIFF INFORMATION	SAC*N**EU*WWWWW*****Last Year 0.00 17.32
PID*F**** 30 Days	TDS*16956
REF*QY**Retail Delivery Service - Res Single	SE*81*00000001
DTM*150*20110817	
DTM*151*20110916	
IT1*00000003*****SV*ELECTRIC*C3*CURRENT PERIOD	
SLN*00000001**A	
SAC*C**EU*BAS001*1426*****Customer Charge	
SLN*00000002**A	
SAC*C**EU*SMD016*286*****Standard Metering Charge	
SLN*00000003**A	
SAC*C**EU*DIS001*2588***.01946*KH*1330*****Distribution Facilities Charge	
SLN*00000004**A	
SAC*A**EU*CRE000*-40*****Single Bill Option Credit	
SLN*00000005**A	
SAC*C**EU*DIS001*168***.00126*KH*1330*****IL Electricity Distribution Charge	
SLN*00000006**A	
SAC*C**EU*ADJ001*15*****Smart Meter Program	
SLN*00000007**A	
SAC*A**EU*ADJ001*-4***-.00003*KH*1330*****Environmental Cost Recovery Adj	
SLN*00000008**A	
SAC*C**EU*ENC001*213***.0016*KH*1330*****Energy Efficiency Programs	
SLN*00000009**A	
SAC*C**EU*FR*154***.03502*DO*44.06*****Franchise Cost	
TXI*FR*1.54*****O	
SLN*00000010**A	
SAC*C**EU*ST*439*****State Tax	
TXI*ST*4.39*****O	
SLN*00000011**A	
SAC*C**EU*MP*785*****Municipal Tax	
TXI*MP*7.85*****O	
SLN*00000012**A	
SAC*N**EU*MSC000*6030*****Total Current Charges	
IT1*00000004*****SV*ELECTRIC*C3*OTHER CHARGES	
SLN*00000013**A	
SAC*N**EU*MSC000*24200*****Payment	
SLN*00000014**A	
SAC*C**EU*PAY001*2156*****Deferred payment agreement	
SLN*00000015**A	
SAC*N**EU*MSC000*2156*****Total Other Charges	
SLN*00000016**A	
SAC*N**EU*MSC000*16956*****Total debit balance	

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