Illinois

Implementation Guide For Electronic Data Interchange

Transaction Set

ANSI ASC X12 Version 004010

867

Historical Usage

Version 1.1

Summary of Changes

January 6, 2009	• Initial Release.
October 24, 2009	• Change Control #012 – Fix IG to have one PTD*BQ loop per service period.

Implementation Notes

Use of this document

- Historical usage will be provided upon request from the RES. Historical usage can be sent in either a Historical Interval Usage (HI) or Historical Monthly Usage (HU) transaction depending on how it was requested on the 814 Enrollment Request (HU only) or 814 Historical Usage Request (HI or HU).

PTD Loops Definition

- For Historical Usage (HU) the following PTD loops will be sent:
    - The PTD~SU loop is used to show the total usage for the account/service point. There will only be one PTD loop per transaction and is always required.
    - The PTD~FG loop will be used to show scheduling determinants (capacity obligation, etc)
- For Historical Interval Usage (HI) the following PTD loops will be sent:
    - The PTD~SU loop is used to show the total usage for the account/service point. There will only be one PTD loop per transaction and is always required.
    - The PTD~BQ loop is used to show interval usage by account/service point. There will only be one BQ loop per meter per service period and have multiple QTY loops for the different units of measure or measurement significance codes.
    - The PTD~FG loop will be used to show scheduling determinants (capacity obligation, etc)

Definition of Mass Market Customers

- Ameren Mass Market - Includes any account containing one or more of only the following types of service point: DS-1 (residential), DS-2 (small commercial < 150 kw) or DS-5 (lighting).
- ComEd Mass Market – Includes all residential and commercial customers under 100KW. Customers with 100KW.

Definition of Service Point

- Ameren Service Point - Ameren's systems operate at a Service Point level. A service point consists of metered or unmetered load that is assigned to a specific Ameren rate. A service point containing metered load can have one or more meters associated with it. An Ameren account may have multiple electric service points associated with it. For Mass Market accounts, the RES is required to take all service points on the account that is being enrolled. For Non-Mass Market accounts, the RES may choose which Service Points to serve. It is important to follow the requirements in each Implementation Guide to differentiate when a Service Point Identifier may or may not be sent.
- ComEd operates at an Account Level only.

867 Product Transfer and Resale Report

Functional Group ID=PT

Introduction:

This Draft Standard for Trial Use contains the format and establishes the data contents of the Product Transfer and Resale Report Transaction Set (867) for use within the context of an Electronic Data Interchange (EDI) environment. The transaction set can be used to: (1) report information about product that has been transferred from one location to another; (2) report sales of product from one or more locations to an end customer; or (3) report sales of a product from one or more locations to an end customer, and demand beyond actual sales (lost orders). Report may be issued by either buyer or seller.

Heading:

	Pos. No.	Seg. ID	Name	Req. Des.	Max.Use	Loop Repeat	Notes and Comments
M	010	ST	Transaction Set Header	M	1		
M	020	BPT	Beginning Segment for Product Transfer and Resale	M	1		
			LOOP ID - N1			5	
	080	N1	Name	O	1		
	120	REF	Reference Identification	O	12		

Detail:

	Pos. No.	Seg. ID	Name	Req. Des.	Max.Use	Loop Repeat	Notes and Comments
			LOOP ID - PTD			>1	
M	010	PTD	Product Transfer and Resale Detail	M	1		
	020	DTM	Date/Time Reference	O	10		
	030	REF	Reference Identification	O	20		
			LOOP ID - QTY			>1	
	110	QTY	Quantity	O	1		
	160	MEA	Measurements	O	40		
	210	DTM	Date/Time Reference	O	10		

Summary:

	Pos. No.	Seg. ID	Name	Req. Des.	Max.Use	Loop Repeat	Notes and Comments
M	030	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~867~000000001

Data Element Summary

	Ref. Des.	Data Element	Name	Attributes
Must Use	**ST01**	**143**	**Transaction Set Identifier Code** Code uniquely identifying a Transaction Set 867 Product Transfer and Resale Report	**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: **BPT** **Beginning Segment for Product Transfer and Resale**
Position: 020
Loop:
Level: Heading
Usage: Mandatory
Max Use: 1
Purpose: To indicate the beginning of the Product Transfer and Resale Report Transaction Set and transmit identifying data
Syntax Notes: **1** If either BPT05 or BPT06 is present, then the other is required.
Semantic Notes: **1** BPT02 identifies the transfer/resale number.
2 BPT03 identifies the transfer/resale date.
3 BPT08 identifies the transfer/resale time.
4 BPT09 is used when it is necessary to reference a Previous Report Number.
Comments:
Notes: Required
BPT~52~20081012123456789~20081201~DD

Data Element Summary

	Ref. Des.	Data Element	Name	Attributes
Must Use	**BPT01**	**353**	**Transaction Set Purpose Code** Code identifying purpose of transaction set 52 Response to Historical Inquiry Response to a request for historical meter reading.	**M ID 2/2**
Must Use	**BPT02**	**127**	**Reference Identification** Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier A unique transaction identification number assigned by the originator of this transaction. This number should be unique over time. Transaction Reference 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.	**M AN 1/30**
Must Use	**BPT03**	**373**	**Date** Date expressed as CCYYMMDD Transaction Creation Date. This is the date that the transaction was created by the sender's application system.	**M DT 8/8**
Must Use	**BPT04**	**755**	**Report Type Code** Code indicating the title or contents of a document, report or supporting item C1 Cost Data Summary Indicates transaction is a Historical Interval usage transaction with only interval meters on the account. DD Distributor Inventory Report Indicates transaction is a Historical non-interval usage transaction. DR Datalog Report Mixed Values - Sent on historical interval transaction if the account has both interval and non-interval meters.	**M ID 2/2**

Segment: **DTM** **Date/Time Reference (Eligible to switch)**
Position: 050
Loop:
Level: Heading
Usage: Optional
Max Use: 1
Purpose: To specify pertinent dates and times
Syntax Notes: **1** At least one of DTM02 DTM03 or DTM05 is required.
2 If DTM04 is present, then DTM03 is required.
3 If either DTM05 or DTM06 is present, then the other is required.
Semantic Notes:
Comments:
Notes: Required if customer is not currently eligible to switch
If customer currently is not available to switch, this will be used to indicate when the customer will be eligible to switch.
DTM~307~20081225

Data Element Summary

	Ref. Des.	Data Element	Name	Attributes	
Must Use	**DTM01**	**374**	**Date/Time Qualifier** Code specifying type of date or time, or both date and time 307 Eligibility Date Customer is eligible to switch	**M**	**ID 3/3**
Must Use	**DTM02**	**373**	**Date** Date expressed as CCYYMMDD Date	**M**	**DT 8/8**

Segment: **N1** **Name (Utility)**
Position: 080
Loop: N1 Mandatory
Level: Heading
Usage: Mandatory
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~UTILITY NAME~1~123456789

Data Element Summary

	Ref. Des.	Data Element	Name	Attributes
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	**M 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	**M ID 1/2**
Must Use	**N104**	**67**	**Identification Code** Code identifying a party or other code Utility D-U-N-S Number or D-U-N-S + 4 Number	**M AN 9/13**

Segment: **N1** **Name (RES)**
Position: 080
Loop: N1 Mandatory
Level: Heading
Usage: Mandatory
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~1~987654321

Data Element Summary

	Ref. Des.	Data Element	Name	Attributes
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	**M 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	**M ID 1/2**
Must Use	**N104**	**67**	**Identification Code** Code identifying a party or other code RES D-U-N-S Number or D-U-N-S + 4 Number	**M AN 9/13**

Segment: **N1** **Name (Customer)**
Position: 080
Loop: N1 Mandatory
Level: Heading
Usage: Mandatory
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

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

Segment: **REF** **Reference Identification (RES Account Number)**
Position: 120
Loop: N1 Mandatory
Level: Heading
Usage: Mandatory
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: Optional
If the account is enrolled and was provided on the enrollment or change transaction, the Utility will include the RES account number on all transactions. If the account is not already enrolled with the RES, the Utility will not return the RES account number.
REF~11~1234567890

Data Element Summary

	Ref. Des.	Data Element	Name	Attributes
Must Use	**REF01**	**128**	**Reference Identification Qualifier** Code qualifying the Reference Identification 11 Account Number Retail Electric Supplier (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	**M AN 1/30**

Segment: **REF** **Reference Identification (Utility Account Number)**
Position: 120
Loop: N1 Mandatory
Level: Heading
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: Required
Both utilities currently have 10 digit account numbers. All 10 digits, including leading zeros must be provided.
REF~12~0000445648~GROUPA

Data Element Summary

	Ref. Des.	Data Element	Name	Attributes
Must Use	**REF01**	**128**	**Reference Identification Qualifier** Code qualifying the Reference Identification 12 Billing Account Utility 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 Utility Account Number	**M AN 1/30**
Must Use	**REF03**	**352**	**Description** A free-form description to clarify the related data elements and their content This code indicates the current class of customer in regards to the POR Eligibility groups as of the time the transaction is sent. GROUPA Ameren or ComEd POR Eligibility Group A GROUPB Ameren or ComEd POR Eligibility Group B GROUPC ComEd POR Eligibility Group C NONPOR Account not eligible for POR (Ameren or ComEd)	**M AN 1/80**

Segment: **REF** **Reference Identification (Service Point Identifier)**
Position: 120
Loop: N1 Mandatory
Level: Heading
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 Mass Market: Required - Historical Usage sent by Service Point
Ameren Non-Mass Market: Required - Historical Usage sent by Service Point
ComEd: Not Used

Ameren currently uses an 8-digit Service Point Identifier. All 8 digits, including leading zeros must be provided.
REF~LU~00034180

Data Element Summary

	Ref. Des.	Data Element	Name	Attributes
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	**M AN 1/30**

Segment: **PTD** **Product Transfer and Resale Detail (Summary)**
Position: 010
Loop: PTD Optional
Level: Detail
Usage: Optional
Max Use: 1
Purpose: To indicate the start of detail information relating to the transfer/resale of a product and provide identifying data
Syntax Notes: **1** If either PTD02 or PTD03 is present, then the other is required.
2 If either PTD04 or PTD05 is present, then the other is required.
Semantic Notes:
Comments:
Notes: Required
There will only be 1 PTD~SU loop per transaction.
PTD~SU

Data Element Summary

	Ref. Des.	Data Element	Name	Attributes
Must Use	**PTD01**	**521**	**Product Transfer Type Code** Code identifying the type of product transfer SU Summary Consumption Summarized/Totalized For Ameren, it will be by service point. For ComEd, it will be by account/rate class.	**M ID 2/2**

Segment: **REF** **REF (Utility Rate Class)**
Position: 030
Loop: PTD 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: Required
REF~NH~GS1~Large GS

Data Element Summary

	Ref. Des.	Data Element	Name	Attributes
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	**M AN 1/30**
	REF03	**352**	**Description** A free-form description to clarify the related data elements and their content Text Description of Rate Class	**O AN 1/80**

Segment: **REF** **REF (Load Profile)**
Position: 030
Loop: PTD 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: Required
REF~LO~GS

Data Element Summary

	Ref. Des.	Data Element	Name	Attributes
Must Use	**REF01**	**128**	**Reference Identification Qualifier** Code qualifying the Reference Identification LO Load Planning Number Load Profile	**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 Load Profile	**M AN 1/30**

Segment: **REF** **REF (Supply Group)**
Position: 030
Loop: PTD 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: Note: Supply group will be shown in REF03 due to the length of the supply group names.
ComEd: Required
Ameren: Not Used

Customer supply groups are designations for retail customers located in the Company's service territory so that retail customers can be categorized for the purposes of computing charges for the procurement of electric power and energy and applying such charges to retail customers. Please see the ComEd tariff for additional details.
REF~PTC~~Self-Generating

Data Element Summary

	Ref. Des.	Data Element	Name		Attributes
Must Use	**REF01**	**128**	**Reference Identification Qualifier**		**M ID 2/3**
			Code qualifying the Reference Identification		
			PTC	Patent Type	
				Supply Group	
Must Use	**REF03**	**352**	**Description**		**M AN 1/80**
			A free-form description to clarify the related data elements and their content		
			Supply Group		

Segment: **QTY** **Quantity**
Position: 110
Loop: QTY Optional
Level: Detail
Usage: Optional
Max Use: 1
Purpose: To specify quantity information
Syntax Notes: **1** At least one of QTY02 or QTY04 is required.
2 Only one of QTY02 or QTY04 may be present.
Semantic Notes: **1** QTY04 is used when the quantity is non-numeric.
Comments:
Notes: There will be one QTY loop for each type of consumption for the meter (i.e., kW, kWh, kVARH). If a meter measures total usage, as well as on-peak and off-peak, all three values would be contained in same QTY loop.
Required
QTY~QD~1234~KH

Data Element Summary

	Ref. Des.	Data Element	Name	Attributes
Must Use	**QTY01**	**673**	**Quantity Qualifier**	**M ID 2/2**
			Code specifying the type of quantity	
			KA Estimated	
			Used when Quantity in QTY02 is Estimated	
			QD Quantity Delivered	
			Used when Quantity in QTY02 is Actual Reading	
Must Use	**QTY02**	**380**	**Quantity**	**M R 1/15**
			Numeric value of quantity	
			Represents quantity of consumption delivered for service period.	
Must Use	**QTY03**	**C001**	**Composite Unit of Measure**	**M**
			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	
			KW	
			K3 Kilovolt Amperes Reactive Hour	
			KVARH	
			KH Kilowatt Hour	
			KWH	

Segment: **MEA** **Measurements**
Position: 160
Loop: QTY Optional
Level: Detail
Usage: Optional (Dependent)
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

One MEA is required for each unit of measure (kW, kWh, KVARH) to report the total consumption/demand (MEA07=51) and additional MEA segments will be provided if Time of Use is applicable (MEA07 = 41 or 42)

If the meter registers on and off peak, the utility will send 0 if there was no usage, if the meter does NOT register on and off peak, it will not be sent.
MEA~~PRQ~1234~KH~~~51

Data Element Summary

	Ref. Des.	Data Element	Name	Attributes
Must Use	**MEA02**	**738**	**Measurement Qualifier**	**M ID 1/3**
			Code identifying a specific product or process characteristic to which a measurement applies	
			PRQ Product Reportable Quantity	
Must Use	**MEA03**	**739**	**Measurement Value**	**M R 1/20**
			The value of the measurement	
			Represents quantity of consumption delivered for service period.	
Must Use	**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	
			KW	
			K3 Kilovolt Amperes Reactive Hour	
			KVARH	
			KH Kilowatt Hour	
			KWH	
Must Use	**MEA07**	**935**	**Measurement Significance Code**	**M ID 2/2**
			Code used to benchmark, qualify or further define a measurement value	
			41 Off Peak	
			42 On Peak	
			51 Total	

Segment: **DTM** **Date/Time Reference (Service Period Start Date)**
Position: 210
Loop: QTY 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: Required
This date reflects the beginning of the data range for this usage.
DTM~150~20090824

Data Element Summary

	Ref. Des.	Data Element	Name	Attributes	
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	**M**	**DT 8/8**

Segment: **DTM** **Date/Time Reference (Service Period End Date)**
Position: 210
Loop: QTY 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: Required
This date reflects the ending of the data range for this usage.
DTM~151~20080901

Data Element Summary

	Ref. Des.	Data Element	Name	Attributes
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	**M DT 8/8**

Segment: **PTD** **Product Transfer and Resale Detail (Interval Metered Services Detail)**
Position: 010
Loop: PTD Optional
Level: Detail
Usage: Optional
Max Use: 1
Purpose: To indicate the start of detail information relating to the transfer/resale of a product and provide identifying data
Syntax Notes: **1** If either PTD02 or PTD03 is present, then the other is required.
2 If either PTD04 or PTD05 is present, then the other is required.
Semantic Notes:
Comments:
Notes: PTD Loops may be sent in any order.

Required if this is an interval account and HI was requested on the 814 Historical usage request. There will be one PTD~BQ loop for each service period for each service point. PTD~BQ

Data Element Summary

	Ref. Des.	Data Element	Name	Attributes
Must Use	**PTD01**	**521**	**Product Transfer Type Code** Code identifying the type of product transfer BQ Other Total interval usage for all meters on the account	**M ID 2/2**

Segment: **DTM** **DTM (Service Period Start)**
Position: 020
Loop: PTD Optional
Level: Detail
Usage: Optional (Dependent)
Max Use: 1
Purpose: To specify pertinent dates and times
Syntax Notes:
1 At least one of DTM02 DTM03 or DTM05 is required.
2 If DTM04 is present, then DTM03 is required.
3 If either DTM05 or DTM06 is present, then the other is required.
Semantic Notes:
Comments:
Notes: Required
This date reflects the beginning of the date range for this transaction.
DTM~150~20081201

Data Element Summary

	Ref. Des.	Data Element	Name	Attributes	
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	**M**	**DT 8/8**

Segment: **DTM** **DTM (Service Period End)**
Position: 020
Loop: PTD Optional
Level: Detail
Usage: Optional (Dependent)
Max Use: 1
Purpose: To specify pertinent dates and times
Syntax Notes: **1** At least one of DTM02 DTM03 or DTM05 is required.
2 If DTM04 is present, then DTM03 is required.
3 If either DTM05 or DTM06 is present, then the other is required.
Semantic Notes:
Comments:
Notes: Required
This date reflects the ending of the date range for this transaction.
DTM~151~20081231

Data Element Summary

	Ref. Des.	Data Element	Name	Attributes	
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	**M**	**DT 8/8**

Segment: **QTY** **Quantity**
Position: 110
Loop: QTY Floating
Level: Detail
Usage: Floating
Max Use: 1
Purpose: To specify quantity information
Syntax Notes: **1** At least one of QTY02 or QTY04 is required.
2 Only one of QTY02 or QTY04 may be present.
Semantic Notes: **1** QTY04 is used when the quantity is non-numeric.
Comments:
Notes: There will be one QTY loop for each type of consumption for the meter (i.e., kW, kWh, kVARH).
Required if there are interval metered services on the account.
QTY~QD~1234~KH

Data Element Summary

	Ref. Des.	Data Element	Name	Attributes
Must Use	**QTY01**	**673**	**Quantity Qualifier** Code specifying the type of quantity KA Estimated Used when Quantity in QTY02 is Estimated QD Quantity Delivered Used when Quantity in QTY02 is Actual Reading	**M ID 2/2**
Must Use	**QTY02**	**380**	**Quantity** Numeric value of quantity Represents quantity of consumption delivered for service period.	**M R 1/15**
Must Use	**QTY03**	**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 K1 Kilowatt Demand KW K3 Kilovolt Amperes Reactive Hour KVARH KH Kilowatt Hour KWH	**M ID 2/2**

Segment: **MEA** **Measurements (Readings)**
Position: 160
Loop: QTY Floating
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~PRQ~87~KH~~~51

Data Element Summary

	Ref. Des.	Data Element	Name	Attributes
Must Use	**MEA02**	**738**	**Measurement Qualifier** Code identifying a specific product or process characteristic to which a measurement applies PRQ Product Reportable Quantity	**M ID 1/3**
Must Use	**MEA03**	**739**	**Measurement Value** The value of the measurement	**M 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**
Must Use	**MEA07**	**935**	**Measurement Significance Code** Code used to benchmark, qualify or further define a measurement value 41 Off Peak 42 On Peak 51 Total	**M ID 2/2**

Segment: **DTM** **Date/Time Reference (Report Period)**
Position: 210
Loop: QTY Floating
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: End date and time of the period for which the quantity is provided. Each interval must be explicitly labeled with the date and time.
Required
DTM~582~20081215~1500

Data Element Summary

	Ref. Des.	Data Element	Name	Attributes	
Must Use	**DTM01**	**374**	**Date/Time Qualifier** Code specifying type of date or time, or both date and time 582 Report Period The date/time of the end of the interval	**M**	**ID 3/3**
Must Use	**DTM02**	**373**	**Date** Date expressed as CCYYMMDD	**M**	**DT 8/8**
Must Use	**DTM03**	**337**	**Time** Time expressed in 24-hour clock time as follows: HHMM, or HHMMSS, or HHMMSSD, or HHMMSSDD, where H = hours (00-23), M = minutes (00-59), S = integer seconds (00-59) and DD = decimal seconds; decimal seconds are expressed as follows: D = tenths (0-9) and DD = hundredths (00-99) HHMM format	**M**	**TM 4/8**

Segment: **PTD** **Product Transfer and Resale Detail (Scheduling Determinants)**
Position: 010
Loop: PTD Optional
Level: Detail
Usage: Optional
Max Use: 1
Purpose: To indicate the start of detail information relating to the transfer/resale of a product and provide identifying data
Syntax Notes: **1** If either PTD02 or PTD03 is present, then the other is required.
2 If either PTD04 or PTD05 is present, then the other is required.
Semantic Notes:
Comments:
Notes: This PTD Loop will be used to provide scheduling determinants, such as the capacity obligation, transmission obligation, etc.
Required
PTD~FG

Data Element Summary

	Ref. Des.	Data Element	Name	Attributes
Must Use	**PTD01**	**521**	**Product Transfer Type Code** Code identifying the type of product transfer FG Flowing Gas Information Scheduling Determinants. This loop will provide information required.	**M ID 2/2**

Segment: **REF** **REF (Bill Cycle)**
Position: 030
Loop: PTD 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: Required
REF~BF~12

Data Element Summary

	Ref. Des.	Data Element	Name	Attributes
Must Use	**REF01**	**128**	**Reference Identification Qualifier** Code qualifying the Reference Identification BF Billing Center Identification Bill Cycle	**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 Bill Cycle	**M AN 1/30**

Segment: **QTY** **Quantity (PLC - Peak Load Contribution)**
Position: 110
Loop: QTY Optional (Dependent)
Level: Detail
Usage: Optional (Dependent)
Max Use: 1
Purpose: To specify quantity information
Syntax Notes: **1** At least one of QTY02 or QTY04 is required.
2 Only one of QTY02 or QTY04 may be present.
Semantic Notes: **1** QTY04 is used when the quantity is non-numeric.
Comments:
Notes: Ameren: Not Used
ComEd: Required

Zero values may be sent if the utility is, in fact, stating that there is no contribution for this customer's account.

The QTY/DTM loop may be sent twice depending on the time of year that Historical Usage is being provided. One iteration will show the current PLC (capacity contribution) and a second iteration will show the PLC that will be effective in the period defined in the DTM segment. Currently ComEd changes the PLC effective June 1st. Once ComEd is aware of what the next effective PLC will be (typically in January) they will begin providing it on transactions.

For example, in February 2010 you may receive:
QTY~KC~476~K1
DTM~007~~~~RD8~20090601-20100531
QTY~KC~450~K1
DTM~007~~~~RD8~20100601-20110531
Whereas in September 2010 you would only receive one loop because the following year's PLC is undetermined:
QTY~KC~450~K1
DTM~007~~~~RD8~20100601-20110531

Data Element Summary

	Ref. Des.	Data Element	Name	Attributes
Must Use	**QTY01**	**673**	**Quantity Qualifier** Code specifying the type of quantity KC Net Quantity Decrease Peak load contributions provided to PJM for Installed Capacity calculation (coincident with PJM peak).	**M ID 2/2**
Must Use	**QTY02**	**380**	**Quantity** Numeric value of quantity Peak Load Contribution (PLC)	**M R 1/15**
Must Use	**QTY03**	**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 K1 Kilowatt Demand KW	**M ID 2/2**

Segment: **DTM** **Date/Time Reference (PLC Effective Date)**
Position: 210
Loop: QTY Optional (Dependent)
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: Capacity Contribution is for June 1 - the following May 31. Therefore this date range is to reflect when the value shown in the QTY02 is in effect.
Required if PLC is sent
DTM~007~~~~RD8~20070601-20080531

Data Element Summary

	Ref. Des.	Data Element	Name	Attributes
Must Use	**DTM01**	**374**	**Date/Time Qualifier** Code specifying type of date or time, or both date and time 007 Effective PLC Effective Date	**M ID 3/3**
Must Use	**DTM05**	**1250**	**Date Time Period Format Qualifier** Code indicating the date format, time format, or date and time format RD8 Range of Dates Expressed in Format CCYYMMDD-CCYYMMDD	**M ID 2/3**
Must Use	**DTM06**	**1251**	**Date Time Period** Expression of a date, a time, or range of dates, times or dates and times Time Period	**M AN 1/35**

Segment: **QTY** **Quantity (Transmission Contribution-NSPL)**
Position: 110
Loop: QTY Optional (Dependent)
Level: Detail
Usage: Optional (Dependent)
Max Use: 1
Purpose: To specify quantity information
Syntax Notes: **1** At least one of QTY02 or QTY04 is required.
2 Only one of QTY02 or QTY04 may be present.
Semantic Notes: **1** QTY04 is used when the quantity is non-numeric.
Comments:
Notes: Required

Zero values may be sent if the utility is, in fact, stating that there is no contribution for this customer's account.

The QTY/DTM loop may be sent twice if the Utility is providing both the current NSPL and the NSPL that will be effective for a subsequent period.

For example, you may receive either two loops:

QTY~KZ~476~K1
DTM~007~~~~RD8~20090601-20100531
QTY~KZ~450~K1
DTM~007~~~~RD8~20100601-20110531

Or just one:

QTY~KZ~450~K1
DTM~007~~~~RD8~20090601-20100531

Data Element Summary

	Ref. Des.	Data Element	Name	Attributes
Must Use	**QTY01**	**673**	**Quantity Qualifier** Code specifying the type of quantity KZ Corrective Action Requests-Written Transmission Contribution: Customer's contribution to the Transmission System's annual peak load. Also known as Network Service Peak Load (NSPL).	**M ID 2/2**
Must Use	**QTY02**	**380**	**Quantity** Numeric value of quantity Transmission Contribution	**M R 1/15**
Must Use	**QTY03**	**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 K1 Kilowatt Demand KW	**M ID 2/2**

Segment: **DTM** **Date/Time Reference (NSPL Effective Date)**
Position: 210
Loop: QTY Optional (Dependent)
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: Required
DTM~007~~~~RD8~20080601-20090531

Data Element Summary

	Ref. Des.	Data Element	Name	Attributes
Must Use	**DTM01**	**374**	**Date/Time Qualifier** Code specifying type of date or time, or both date and time 007 Effective NSPL Effective Date	**M ID 3/3**
Must Use	**DTM05**	**1250**	**Date Time Period Format Qualifier** Code indicating the date format, time format, or date and time format RD8 Range of Dates Expressed in Format CCYYMMDD-CCYYMMDD	**M ID 2/3**
Must Use	**DTM06**	**1251**	**Date Time Period** Expression of a date, a time, or range of dates, times or dates and times Time period	**M AN 1/35**

Segment: **SE** **Transaction Set Trailer**
Position: 030
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~23~000000001

Data Element Summary

	Ref. Des.	Data Element	Name	Attributes
Must Use	**SE01**	**96**	**Number of Included Segments** Total number of segments included in a transaction set including ST and SE segments	**M N0 1/10**
Must Use	**SE02**	**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**

Example #1 – Historical Monthly Usage Response with on peak, off peak and total with no RES account number (no interval usage meters).

Segment Contents	Element Description
ST~867~0008	Transaction Header
BPT~52~2008-10-02-.42.365606~20081001~DD	Transaction Set Purpose Code: **52**, *Response to Historical Inquiry*, Reference Identification: **2008-10-02-.42.365606**, Transaction Date: **20081001**. Report Type Code: **DD**, *Usage*
DTM~307~20081225	Date Qualifier: **307**, *Eligible switch date Qualifier*, Date, **20081225**
N1~8S~Utility Company~1~123456789	Entity Identifier: **8S**, *Utility Qualifier*, Name: **Utility Company**, *Utility Name*, Identification Code Qualifier: **1***, Duns Number Indicator*, Identification Code: **123456789**, *Utility Duns Number*.
N1~SJ~RES Company~1~987654321	Entity Identifier: **SJ**, *RES Qualifier*, Name: **RES Company**, *RES Name*, Identification Code Qualifier: **1***, Duns Number Indicator*, Identification Code: **987654321**, *RES Duns Number*.
N1~8R~Customer Name	Entity Identifier: **8R**, *Customer Qualifier*, Name: **Customer Name**, *Customer Name*
REF~12~0123456789~GROUPA	Reference Identifier: **12**, *LDC Account Number Qualifier*, Number: **0123456789**, *LDC Account Number,* Reference Description: **GROUPA,** *POR Eligibility Group*
REF~LU~00034180	Reference Identifier: **LU**, *Service Point Identifier Qualifier*, Number: **00034180**, *Service Point Identifier* **(NOT USED FOR COMED)**
PTD~SU	Summary Loop
REF~NH~GSI~LARGE GS	Reference Identifier: **NH**, *Utility Rate Class Qualifier*, Number: **GS1**, *Utility Rate Class,* Description: **Large-GS** *Text description of rate class*
REF~LO~GS	Reference Identifier: **GS**, *Load Profile Qualifier*, Number: **GS**, *Load Profile*
REF~PTC~~Self-Generating	Reference Identifier: **PTC**, *Supply Group Qualifier*, Description: **Self-Generating**, *Supply Group* **(NOT USED FOR AMEREN)**
QTY~QD~1000~KH	Quantity Qualifier: **QD**, *Actual Reading*, Quantity **1000**, *Consumption delivered*, Unit of measure **KH,** *Kilowatt Hour*
MEA~~PRQ~1000~KH~~~51	Measurement Reference: **AA**, *Beginning actual/Ending actual Reading Type,* Measurement Qualifier: **PRQ**, *Product Reportable Quantity Qualifier*, Measurement Value: **1000**, *Consumption*, Unit of Measure**, KH,** *Kilowatt Hour*, Measurement Significance Code: **51**, *Total*.
MEA~~PRQ~250~KH~~~41	Measurement Reference: **AA**, *Beginning actual/Ending actual Reading Type,* Measurement Qualifier: **PRQ**, *Product Reportable Quantity Qualifier*, Measurement Value: **250**, *Consumption*, Unit of Measure**, KH,** *Kilowatt Hour*, Measurement Significance Code: **41**, *Off Peak*
MEA~~PRQ~750~KH~~~42	Measurement Reference: **AA**, *Beginning actual/Ending actual Reading Type,* Measurement Qualifier: **PRQ**, *Product Reportable Quantity Qualifier*, Measurement Value: **750**, *Consumption*,

	Unit of Measure**, KH,** *Kilowatt Hour*, Measurement Significance Code: **42**, *On Peak*
MEA~~PRQ~18~K1~~~41	Measurement Reference: **AA**, *Beginning actual/Ending actual Reading Type,* Measurement Qualifier: **PRQ**, *Product Reportable Quantity Qualifier*, Measurement Value: **18**, *Consumption*, Unit of Measure**, K1,** *Kilowatt Demand*, , Measurement Significance Code: **41**, *Off Peak*
MEA~~PRQ~22~K1~~~42	Measurement Reference: **AA**, *Beginning actual/Ending actual Reading Type,* Measurement Qualifier: **PRQ**, *Product Reportable Quantity Qualifier*, Measurement Value: **22**, *Consumption*, Unit of Measure**, K1,** *Kilowatt Demand*, , Measurement Significance Code: **42**, *On Peak*
DTM~150~20080801	Date Qualifier: 150, *Service Period Start*, Date **20080801**
DTM~151~20080831	Date Qualifier: 151, *Service Period End*, Date **20080831**
QTY~QD~900~KH	Quantity Qualifier: **QD**, *Actual Reading*, Quantity **900**, *Consumption delivered*, Unit of measure **KH,** *Kilowatt Hour*
MEA~~PRQ~900~KH~~~51	Measurement Reference: **AA**, *Beginning actual/Ending actual Reading Type,* Measurement Qualifier: **PRQ**, *Product Reportable Quantity Qualifier*, Measurement Value: **900**, *Consumption*, Unit of Measure**, KH,** *Kilowatt Hour*, Measurement Significance Code: **51**, *Total*.
MEA~~PRQ~334~KH~~~41	Measurement Reference: **AA**, *Beginning actual/Ending actual Reading Type,* Measurement Qualifier: **PRQ**, *Product Reportable Quantity Qualifier*, Measurement Value: **334**, *Consumption*, Unit of Measure**, KH,** *Kilowatt Hour*, Measurement Significance Code: **41**, *Off Peak*
MEA~~PRQ~556~KH~~~42	Measurement Reference: **AA**, *Beginning actual/Ending actual Reading Type,* Measurement Qualifier: **PRQ**, *Product Reportable Quantity Qualifier*, Measurement Value: **556**, *Consumption*, Unit of Measure**, KH,** *Kilowatt Hour*, Measurement Significance Code: **42**, *On Peak*
MEA~~PRQ~16~K1~~~41	Measurement Reference: **AA**, *Beginning actual/Ending actual Reading Type,* Measurement Qualifier: **PRQ**, *Product Reportable Quantity Qualifier*, Measurement Value: **16**, *Consumption*, Unit of Measure**, K1,** *Kilowatt Demand*, , Measurement Significance Code: **41**, *Off Peak*
MEA~~PRQ~20~K1~~~42	Measurement Reference: **AA**, *Beginning actual/Ending actual Reading Type,* Measurement Qualifier: **PRQ**, *Product Reportable Quantity Qualifier*, Measurement Value: **20**, *Consumption*, Unit of Measure**, K1,** *Kilowatt Demand*, , Measurement Significance Code: **42**, *On Peak*
DTM~150~20080901	Date Qualifier: 150, *Service Period Start*, Date **20080901**
DTM~151~20081001	Date Qualifier: 151, *Service Period End*, Date **20081001**
… Continues for the entire time period months…	
PTD~FG	Scheduling Determinants Loop
REF~BF~22	Reference Identifier: **BF**, *Billing Cycle*, **22**, *Billing*

	Cycle
QTY~KC~29~K1	Quantity Qualifier: **KC**, *Capacity Contribution* **29**, *Capacity Contribution*, Unit of Measure: **K1**, Kilowatt Demand **(NOT USED FOR AMEREN)**
DTM~007~~~~RD8~20070601-20080531	Date Qualifier: 007, *Effective Dates*, Date Format: **RD8***, Range,* Date **20070601-20080531 (NOT USED FOR AMEREN)**
QTY~KC~42~K1	Quantity Qualifier: **KC**, *Capacity Contribution*, **42**, , *Capacity Contribution*, Unit of Measure: **K1**, Kilowatt Demand **(NOT USED FOR AMEREN)**
DTM~007~~~~RD8~20080601-20090531	Date Qualifier: 007, *Effective Dates*, Date Format: **RD8***, Range,* Date **20080601-20090531 (NOT USED FOR AMEREN)**
QTY~KZ~752~K1	Quantity Qualifier: **KZ**, *Transmission Contribution*,, **752**, *Transmission Contribution*, Unit of Measure: **K1**, Kilowatt Demand
DTM~007~~~~RD8~20080601-20090531	Date Qualifier: 007, *Effective Dates*, Date Format: **RD8***, Range,* Date **20080601-20090531**
SE~263~0008	

Example #2 – Historical Interval Usage - interval usage meters only with RES account number.

Segment Contents	Element Description
ST~867~000000001	Transaction Header
BPT~52~20081012123456789~~20081201~C1	Transaction Set Purpose Code: **52**, *Respond to Historical Usage*, Reference Identification: **20081012123456789**, Transaction Date: **20081201**. Report Type Code: **C1**, *Interval Usage*
DTM~307~20091225	Date Qualifier: **307**, *Eligibility Date*, Date, **20091225**
N1~8S~Utility Company~1~123456789	Entity Identifier: **8S**, *Utility Qualifier*, Name: **Utility Company**, *Utility Name*, Identification Code Qualifier: **1***, Duns Number Indicator*, Identification Code: **123456789**, *Utility Duns Number*.
N1~SJ~RES Company~1~987654321	Entity Identifier: **SJ**, *RES Qualifier*, Name: **RES Company**, *RES Name*, Identification Code Qualifier: **1***, Duns Number Indicator*, Identification Code: **987654321**, *RES Duns Number*.
N1~8R~Customer Name	Entity Identifier: **8R**, *Customer Qualifier*, Name: **Customer Name**, *Customer Name*
REF~11~1234567890	Reference Identifier: **11**, *RES Account Number Qualifier*, Number: **1234567890**, *RES Account Number*
REF~12~0123456789~GROUPA	Reference Identifier: **12**, *LDC Account Number Qualifier*, Number: **0123456789**, *LDC Account Number,* Reference Description: **GROUPA,** *POR Eligibility Group*
REF~LU~00034180	Reference Identifier: **LU**, *Service Point Identifier Qualifier*, Number: **00034180**, *Service Point Identifier* **(NOT USED FOR COMED)**
PTD~SU	Monthly Billed Summary loop
REF~NH~GSI~LARGE GS	Reference Identifier: **NH**, *Utility Rate Class Qualifier*, Number: **GS1**, *Utility Rate Class,* Description: **Large-GS** *Text description of rate class*
REF~LO~GS	Reference Identifier: **GS**, *Load Profile Qualifier*, Number: **GS**, *Load Profile*
REF~PTC~~Self-Generating	Reference Identifier: **PTC**, *Supply Group Qualifier*, Description: **Self-Generating**, *Supply Group* **(NOT USED FOR AMEREN)**
QTY~QD~8623~KH	Quantity Qualifier: **QD**, *Actual Reading*, Quantity **8623**, *Consumption delivered*, Unit of measure **KH,** *Kilowatt Hour*
MEA~AA~PRQ~8623~KH~~~51	Measurement Reference: **AA**, *Beginning actual/Ending actual Reading Type,* Measurement Qualifier: **PRQ**, *Product Reportable Quantity Qualifier*, Measurement Value: **8623**, *Consumption*, Unit of Measure**, KH,** *Kilowatt Hour*, Measurement Significance Code: **51**, *Total*.
MEA~AA~PRQ~2601~KH~~~41	Measurement Reference: **AA**, *Beginning actual/Ending actual Reading Type,* Measurement Qualifier: **PRQ**, *Product Reportable Quantity Qualifier*, Measurement Value: **2601**, *Consumption*, Unit of Measure**, KH,** *Kilowatt Hour*, Measurement Significance Code: **41**, *Off Peak*
MEA~AA~PRQ~6022~KH~~~42	Measurement Reference: **AA**, *Beginning actual/Ending actual Reading Type,* Measurement Qualifier: **PRQ**, *Product Reportable Quantity Qualifier*, Measurement Value: **6022**, *Consumption*, Unit of Measure**, KH,** *Kilowatt Hour*, Measurement Significance Code: **42**, *On Peak*

MEA~AA~PRQ~77.5~K1~~~41	Measurement Reference: **AA**, *Beginning actual/Ending actual Reading Type,* Measurement Qualifier: **PRQ**, *Product Reportable Quantity Qualifier*, Measurement Value: **77.5**, *Consumption*, Unit of Measure**, K1,** *Kilowatt Demand*, , Measurement Significance Code: **41**, *Off Peak*
MEA~AA~PRQ~148.5~K1~~~42	Measurement Reference: **AA**, *Beginning actual/Ending actual Reading Type,* Measurement Qualifier: **PRQ**, *Product Reportable Quantity Qualifier*, Measurement Value: **148.5**, *Consumption*, Unit of Measure**, K1,** *Kilowatt Demand*, , Measurement Significance Code: **42**, *On Peak*
DTM~150~20080801	Date Qualifier: 150, *Service Period Start*, Date **20080801**
DTM~151~20080831	Date Qualifier: 151, *Service Period End*, Date **20080831**
QTY~QD~7623~KH	Quantity Qualifier: **QD**, *Actual Reading*, Quantity **7623**, *Consumption delivered*, Unit of measure **KH,** *Kilowatt Hour*
MEA~AA~PRQ~7623~KH~~~51	Measurement Reference: **AA**, *Beginning actual/Ending actual Reading Type,* Measurement Qualifier: **PRQ**, *Product Reportable Quantity Qualifier*, Measurement Value: **7623**, *Consumption*, Unit of Measure**, KH,** *Kilowatt Hour*, Measurement Significance Code: **51**, *Total*.
MEA~AA~PRQ~2101~KH~~~41	Measurement Reference: **AA**, *Beginning actual/Ending actual Reading Type,* Measurement Qualifier: **PRQ**, *Product Reportable Quantity Qualifier*, Measurement Value: **2101**, *Consumption*, Unit of Measure**, KH,** *Kilowatt Hour*, Measurement Significance Code: **41**, *Off Peak*
MEA~AA~PRQ~5522~KH~~~42	Measurement Reference: **AA**, *Beginning actual/Ending actual Reading Type,* Measurement Qualifier: **PRQ**, *Product Reportable Quantity Qualifier*, Measurement Value: **5522**, *Consumption*, Unit of Measure**, KH,** *Kilowatt Hour*, Measurement Significance Code: **42**, *On Peak*
MEA~AA~PRQ~67.5~K1~~~41	Measurement Reference: **AA**, *Beginning actual/Ending actual Reading Type,* Measurement Qualifier: **PRQ**, *Product Reportable Quantity Qualifier*, Measurement Value: **67.5**, *Consumption*, Unit of Measure**, K1,** *Kilowatt Demand*, , Measurement Significance Code: **41**, *Off Peak*
MEA~AA~PRQ~148.5~K1~~~42	Measurement Reference: **AA**, *Beginning actual/Ending actual Reading Type,* Measurement Qualifier: **PRQ**, *Product Reportable Quantity Qualifier*, Measurement Value: **148.5**, *Consumption*, Unit of Measure**, K1,** *Kilowatt Demand*, , Measurement Significance Code: **42**, *On Peak*
DTM~150~20080901	Date Qualifier: 150, *Service Period Start*, Date **20080901**
DTM~151~20081010	Date Qualifier: 151, *Service Period End*, Date **20081001**
… Continues for the entire time period months…	
PTD~BQ	Interval Meter detail loop
DTM~150~20080901	Date Qualifier: 150, *Service Period Start*, Date **20080901**
DTM~151~20081010	Date Qualifier: 151, *Service Period End*, Date **20081001**
QTY~QD~22~KH	Quantity Qualifier: **QD**, *Quantity Delivered*, Quantity **22**, Unit of measure **KH,** *Kilowatt Hour*
MEA~AA~PRQ~22~KH~~~51	Measurement Reference: **AA**, *Reading Type,* Measurement Qualifier: **PRQ**, *Consumption*, Measurement Value: **22**, *Consumption*, Unit of Measure**, KH,** *Kilowatt Hour*, , Measurement Significance Code: **51**, *Total*.
MEA~AA~PRQ~7~KH~~~41	Measurement Reference: **AA**, *Beginning actual/Ending actual Reading Type,* Measurement Qualifier: **PRQ**, *Product Reportable Quantity Qualifier*, Measurement Value: **7**, *Consumption*, Unit of Measure**, KH,** *Kilowatt Hour*, Measurement Significance Code: **41**, *Off Peak*

MEA~AA~PRQ~15~KH~~~42	Measurement Reference: **AA**, *Beginning actual/Ending actual Reading Type,* Measurement Qualifier: **PRQ**, *Product Reportable Quantity Qualifier*, Measurement Value: **15**, *Consumption*, Unit of Measure**, KH,** *Kilowatt Hour*, Measurement Significance Code: **42**, *On Peak*
MEA~AA~PRQ~1.5~K1~~~41	Measurement Reference: **AA**, *Beginning actual/Ending actual Reading Type,* Measurement Qualifier: **PRQ**, *Product Reportable Quantity Qualifier*, Measurement Value: **1.5**, *Consumption*, Unit of Measure**, K1,** *Kilowatt Demand*, , Measurement Significance Code: **41**, *Off Peak*
MEA~AA~PRQ~2.0~K1~~~42	Measurement Reference: **AA**, *Beginning actual/Ending actual Reading Type,* Measurement Qualifier: **PRQ**, *Product Reportable Quantity Qualifier*, Measurement Value: **2.0**, *Consumption*, Unit of Measure**, K1,** *Kilowatt Demand*, , Measurement Significance Code: **42**, *On Peak*
DTM~582~20080901~0100	Date Qualifier: 582, *End date and time qualifier*, Date **20080901,** Time: **0100** *1:00 AM*
QTY~QD~20~KH	Quantity Qualifier: **QD**, *Quantity Delivered*, Quantity **20**, Unit of measure **KH,** *Kilowatt Hour*
MEA~AA~PRQ~20~KH~~~51	Measurement Reference: **AA**, *Reading Type,* Measurement Qualifier: **PRQ**, *Consumption*, Measurement Value: **20**, *Consumption*, Unit of Measure**, KH,** *Kilowatt Hour*, , Measurement Significance Code: **51**, *Total*.
MEA~AA~PRQ~6~KH~~~41	Measurement Reference: **AA**, *Beginning actual/Ending actual Reading Type,* Measurement Qualifier: **PRQ**, *Product Reportable Quantity Qualifier*, Measurement Value: **6**, *Consumption*, Unit of Measure**, KH,** *Kilowatt Hour*, Measurement Significance Code: **41**, *Off Peak*
MEA~AA~PRQ~14~KH~~~42	Measurement Reference: **AA**, *Beginning actual/Ending actual Reading Type,* Measurement Qualifier: **PRQ**, *Product Reportable Quantity Qualifier*, Measurement Value: **14**, *Consumption*, Unit of Measure**, KH,** *Kilowatt Hour*, Measurement Significance Code: **42**, *On Peak*
MEA~AA~PRQ~1.2~K1~~~41	Measurement Reference: **AA**, *Beginning actual/Ending actual Reading Type,* Measurement Qualifier: **PRQ**, *Product Reportable Quantity Qualifier*, Measurement Value: **1.2**, *Consumption*, Unit of Measure**, K1,** *Kilowatt Demand*, , Measurement Significance Code: **41**, *Off Peak*
MEA~AA~PRQ~210~K1~~~42	Measurement Reference: **AA**, *Beginning actual/Ending actual Reading Type,* Measurement Qualifier: **PRQ**, *Product Reportable Quantity Qualifier*, Measurement Value: **2.1**, *Consumption*, Unit of Measure**, K1,** *Kilowatt Demand*, , Measurement Significance Code: **42**, *On Peak*
DTM~582~20080901~0200	Date Qualifier: 582, *End date and time qualifier*, Date **20080901,** Time: **0200** *2:00 AM*
… Continued on until the end of the period specified	
PTD~BQ	Interval Meter detail loop
… Repeat PTD~BQ loops for all service periods	
PTD~FG	Scheduling Determinants Loop
REF~BF~22	Reference Identifier: **BF**, *Billing Cycle*, **22**, *Billing Cycle*
QTY~KC~29~K1	Quantity Qualifier: **KC**, *Capacity Contribution* **29**, *Capacity Contribution*, Unit of Measure: **K1**, Kilowatt Demand **(NOT USED FOR AMEREN)**

DTM~007~~~~RD8~20070601-20080531	Date Qualifier: 007, *Effective Dates*, Date Format: **RD8**, *Range,* Date **20070601-20080531 (NOT USED FOR AMEREN)**
QTY~KC~42~K1	Quantity Qualifier: **KC**, *Capacity Contribution*, **42**, , *Capacity Contribution*, Unit of Measure: **K1**, Kilowatt Demand **(NOT USED FOR AMEREN)**
DTM~007~~~~RD8~20080601-20090531	Date Qualifier: 007, *Effective Dates*, Date Format: **RD8**, *Range,* Date **20080601-20090531 (NOT USED FOR AMEREN)**
QTY~KZ~752~K1	Quantity Qualifier: **KZ**, *Transmission Contribution*,, **752**, *Transmission Contribution*, Unit of Measure: **K1**, Kilowatt Demand
DTM~007~~~~RD8~20080601-20090531	Date Qualifier: 007, *Effective Dates*, Date Format: **RD8**, *Range,* Date **20080601-20090531**
SE~710~0008	