

Segment: **REF** Reference Identification (Reason for Change – Account Level)

Position: 030

Loop: LIN

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:	Request: Conditional Response: Optional
Example:	REF*TD*AMTKZ

Data Element Summary

	Ref. Des.	Data Element	Name	Attributes
Must Use	REF01	128	Reference Identification Qualifier Code qualifying the Reference Identification TD Reason for Change	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 AMTKZ Change Peak Load Capacity (already available today in NY) REF5E Change Low Income Status REFIJ Change Industrial Classification Code REFSG Change Utility Discount Indicator REFTDT Change Account Settlement Indicator REFTX Change Tax Exempt REFYP Change NYPA/Recharge NY Indicator	X AN 1/30

Segment: **AMT** Monetary Amount (KZ=Peak Load Contribution)
Position: 060
Loop: LIN
Level: Detail
Usage: Optional
Max Use: >1
Purpose: To indicate the total monetary amount
Syntax Notes:
Semantic Notes:
Comments:
Notes: What are the requirements?
 AMT*KZ*123

Data Element Summary

Ref. Des.	Data Element	Name	X12 Attributes
AMT01	522	Amount Qualifier Code	M ID 1/3
		Code to qualify amount	
		KZ	Obligated
			Peak Load Contribution (a.k.a. Load Responsibility or PLC)
			A specific prospective customer's Installed Capacity (ICAP) Tag, which indicates the customer's peak electricity demand.
AMT02	782	Monetary Amount	M R 1/18
		Monetary amount	
		Peak Load Contribution	

Segment: REF Reference Identification (Low Income)

Position: 030
Loop: LIN Mandatory
Level: Detail
Usage: Optional
Max Use: 20
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: What are the requirements?
REF*5E*LIHP

Data Element Summary

Ref. Des.	Data Element	Name	Attributes
REF01	128	Reference Identification Qualifier	M ID 2/3
		Code qualifying the Reference Identification Information on the customer's low income enrollment status.	
		5E Low Income Status	
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	
		LIHP Low Income/HEEP Participant	
		NOTLIHP Not Low Income/HEEP Participant	

Segment: **REF** Reference Identification (Industrial Classification Code)
Position: 030
Loop: LIN Mandatory
Level: Detail
Usage: Optional
Max Use: 20
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: What are the requirements?
REF*IJ*??*SIC

Data Element Summary			
Ref. Des.	Data Element	Name	Attributes
REF01	128	Reference Identification Qualifier	M ID 2/3
		Code qualifying the Reference Identification	
		The customer's Standard Industrial Classification (SIC) Code	
		IJ SIC Code	
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	
REF03	352	Description	X AN 1/80
		SIC – Value contained in REF02 is a SIC Code	
		NAISC – Value contained in REF02 is a NAISC code	

Segment: **REF** **Reference Identification (Utility Discount Indicator)**
Position: 030
Loop: LIN Mandatory
Level: Detail
Usage: Optional
Max Use: 20
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: What are the requirements?
REF*SG*N

Data Element Summary

Ref. Des.	Data Element	Name	Attributes
REF01	128	Reference Identification Qualifier	M ID 2/3
		Code qualifying the Reference Identification	
		The customer receives any special delivery or commodity "first through the meter" incentives.	
		SG Utility Discount Indicator	
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	
		N No, utility discount or incentive	
		Y Yes, is receiving a utility discount or incentive	

Segment: **REF** Reference Identification (Account Settlement Indicator)
Position: 030
Loop: LIN Mandatory
Level: Detail
Usage: Optional
Max Use: 20
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: What are the requirements?
REF*TDT*C

Data Element Summary

Ref. Des.	Data Element	Name	Attributes
REF01	128	Reference Identification Qualifier	M ID 2/3
		Code qualifying the Reference Identification	
		The customer's account is settled with the ISO utilizing an actual "hourly" or a "class shape" methodology.	
		TDT Account Settlement	
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	
		C Class Load Shape	
		I Interval	
		M Mixed	

Segment: **REF** Reference Identification (NYPA/Recharge New York)
Position: 030
Loop: LIN Mandatory
Level: Detail
Usage: Optional
Max Use: 20
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: What are the requirements?
REF*YP*N

Data Element Summary				
Ref. Des.	Data Element	Name	Attribu	
REF01	128	Reference Identification Qualifier	M	ID 2/3
		Code qualifying the Reference Identification		
		The customer receives any special incentives from the New York Power Authority.		
		YP	NYPA/Recharge Indicator	
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		
		N	No, the customer does not participate in NYPA/Recharge New York	
		Y	Yes, the customer participates in NYPA/Recharge New York	

Segment: **NM1** Individual or Organizational Name

Position: 080

Loop: NM1

Level: Detail

Usage: Optional

Max Use: 1

Purpose: To supply the full name of an individual or organizational entity

Syntax Notes: 1 If either NM108 or NM109 is present, then the other is required.

2 If NM111 is present, then NM110 is required.

Semantic Notes: 1 NM102 qualifies NM103.

Comments: 1 NM110 and NM111 further define the type of entity in NM101.

Notes:	This loop is used to convey meter level information. NM1 loops may be sent in any order		
PA Use:	Please see the rules for the use of this Loop on the Notes page.		
	LDC to ESP Request:	Required if changing meter level information	
	Response:	Optional	
	ESP to LDC Request:	Required if changing meter level information	
	Response:	Optional	
NJ Use:	Same as PA		
DE Use:	Same as PA		
MD Use:	Same as PA		
Examples:	NM1*MR*3*****32*1234568MG NM1*MA*3*****32*UNMETERED NM1*MQ*3*****32*ALL NM1*MX*3*****32*334545R		

Data Element Summary

Ref.	Data		
Des.	Element	Name	Attributes
Must Use	NM101	98	Entity Identifier Code
			M ID 2/3
		Code identifying an organizational entity, a physical location, property or an individual	
		MA	Party for whom item is ultimately intended Indicates a Meter Addition. Used when an additional meter is added to a multi-metered account or unmetered account or, when a new meter is added to an active account whose old meter had been recently removed (see the MR code).
		MQ	Meter Location Indicates that this NM1 loop contains a change to delivery point or meter related information unrelated to a meter addition, removal, or exchange. Used when a meter service attribute is changed or when erroneous meter numbers are corrected (for corrections, the NM1*MQ is used in conjunction with the REF*46 segment, which is used to send the incorrect meter number).

			MR	Medical Insurance Carrier Indicates a Meter Removal. This code is used when: one or more meters are removed from a multi-metered account; an account with a single meter is changed to UNMETERED or; a meter has been removed temporarily but the account remains active and another meter is added.
			MX	Juvenile Witness Indicates a Meter Exchange. This code value in this segment will be used in conjunction with a REF*46 segment, which will contain the old meter number, when there has been a meter exchange. This would include instances in which a meter is added to a previously un-metered account.
Must Use	NM102	1065	Entity Type Qualifier	M ID 1/1
			Code qualifying the type of entity	
			3	Unknown
Must Use	NM108	66	Identification Code Qualifier	X ID 1/2
			32	Assigned by Property Operator Use when NM109 contains a meter number.
			93	Code assigned by organization originating the transaction set Use when NM109 is not a meter number.
Must Use	NM109	67	Identification Code	X AN 2/80
			Code identifying a party or other code	
			NM108 = 32: NM109 will contain the Utility meter number (in conformance with the conditions described above).	
			If NM108 = 93: NM109 will contain the literal "UNMETERED" (for unmetered accounts) OR the literal "ALL" (used when changes apply to all meters in a multi-metered account).	

Segment: **REF** Reference Identification (Reason for Change – Meter Level)

Position: 030

Loop: LIN

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: Request: Conditional
Response: Optional

This segment is used to identify the data segment(s) sent at the account level that are being changed. See page 48 of this Implementation Guide for a description of the codes used to identify a change in the data segment(s) sent at the meter level.

Example: REF*TD*NM1MQ

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	
			TD Reason for Change	
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	
			NM1MQ Change Metering Location (Change of Meter Number - currently already in NY EDI Spec)	

Segment: REF Reference Identification (Old Meter Number)**Position:** 130**Loop:** NM1**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**Utility Request: Conditional
E/M Response: Not UsedE/M Request: Not Used
Utility Response: Not Applicable

This segment is used when a meter exchange (MX) is being reported. In this situation, the new meter number is sent in the NM1 segment and the old meter number is sent in this REF segment. This segment is also used when a corrected meter number is being communicated.

Example: REF*46*9938526S**Data Element Summary**

	<u>Ref.</u> <u>Des.</u>	<u>Data</u> <u>Element</u>	<u>Name</u>	<u>X12</u>	
<u>Attributes</u>					
Must Use	REF01	128	Reference Identification Qualifier	M	ID 2/3
			Code qualifying the Reference Identification 46 Old Meter Number		
Must Use	REF02	127	Reference Identification	X	AN 1/30
			Old Meter Number		