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Cc: [Patrice.oconnor@dps.ny.gov](#)
Subject: NY EDI TWG - Draft 867 HU for Discussion on June 13th
Date: Monday, June 09, 2014 3:04:11 PM
Attachments: [Redline.pdf](#)
[ts867.pdf](#)

Technical Team,

Please review the attached revised draft portion of the 867 HU transaction and send me any questions/comments that you may have. I struggled with what codes to use in REF02 for the Low Income/HEEP Participant segment. I cannot use "Y"/"N" (Yes/No) as we had some other fields due to a bug in the Foresight EDISIM software. I noticed that someone else had the same issue in the 814 and used Y2/N2 instead. I chose LIHP and NOTLIHP but I am certainly open to suggestions. LIY and LIN were suggested, or maybe LIHPY and LIHPN, or we could go with Y3/N3 which seems less explicit. I welcome any comments.

The new draft and redline from the last version are both attached.

The following changes were made:

- * Customer Supply Status – No change
- * Industry Classification Code – No change
- * Utility Tax Exempt Status – No change (please ensure the comment in the gray box is correct)
- * Block on Account

- * Modified to Conditional – Required if there is an Enrollment Block on the account
- * Fixed example
- * Removed all codes except "EB" – Enrollment Block

- * Account Settlement Indicator – No change
- * NYPA/ReCharge New York

- * Modified the comment in the gray box. Please ensure it is correct.

- * Utility Discount – No change
- * Low Income Participation Status

- * New Segment (LIHP = Low Income/HEEP Participant, NOTLIHP = Not Low Income/HEEP Participant)

- * Current Electric Capacity Assignment
- * Renamed from ICAP Tag
- * Copied gray box comment from DTM segment
- * Current Electric Capacity Assignment Effective Dates
- * New Segment
- * Future Electric Capacity Assignment
- * New Segment (Optional)
- * Future Electric Capacity Assignment Effective Dates
- * New Segment (Conditional – Required if Future Electric Capacity Assignment is sent)

Here is a new sample:

```

PTD*FG***OZ*EL      <-- Beginning of Loop; Commodity (EL = Electric, GAS = Gas)
REF*ON*E             <-- Customer is supplied by the ESCO (E = ESCO, U = Utility)
REF*IJ*123456*NAISC  <-- Industry Classification Code (SIC/NAISC)
REF*TX*Y             <-- Customer has some level of Tax Exemption (Y = Yes, N = No)
REF*ZV*EB            <-- Enrollment Block Status (EB = Enroll Block)
REF*TDT*I           <-- Account Settlement Indicator (I = Interval, C = Class Load Shape, M = Mixed)
REF*YP*N             <-- NYPA/ReCharge New York (Y = Yes, N = No)
REF*SG*N             <-- Utility Discount (Y = Yes, N = No)
REF*5E*NOTLIHP       <-- Low Income Participation Status (LIHP = Yes, NOTLIHP = No)
QTY*KZ*123.456*K1    <-- Current Electric Capacity Assignment
DTM*007****RD8*20140601-20150531 <-- Current Electric Capacity Assignment Effective Dates
QTY*KZ*450.112*K1    <-- Future Electric Capacity Assignment
DTM*007****RD8*20140601-20150531 <-- Future Electric Capacity Assignment Effective Dates
QTY*9N*3             <-- Number of Meters
REF*MG*11111111      <-- Meter Number of First Meter
REF*MG*G87132174     <-- Meter Number of Second Meter
REF*MG*M1237810      <-- Meter Number of Third Meter
REF*MG*UNMETERED     <-- Unmetered services exist on the account

```

An example where only unmetered services exist:

```

QTY*9N*0             <-- Number of Meters
REF*MG*UNMETERED     <-- Unmetered services exist on the account

```

From: Wall, Kimberly A

Sent: Wednesday, June 04, 2014 8:24 AM

To: 'rsspilky@integrysenergy.com'; 'sergio.smilley@nationalgrid.com'; 'riki.rosenfeld@directenergy.com'; 'ethan.kagan@directenergy.com'; 'jmanfredi@cenhud.com'; 'mmckeehan@cenhud.com'; 'jbegley@fluentenergy.com'; 'chtrick@nyseg.com'; 'novakm@natfuel.com'; 'teamny@energyservicesgroup.net'; 'Christopher.wentlent@constellation.com'; 'tdougherty@ista-na.com'; 'mary@latitudetech.net';

REDLINE

Segment: **PTD** **Product Transfer and Resale Detail (Additional Information)**

Position: 010

Loop: PTD Mandatory

Level: Detail

Usage: Mandatory

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

PTD~FG~~~OZ~GAS

Data Element Summary

	<u>Ref.</u>	<u>Data</u>	<u>Name</u>	<u>Attributes</u>
<u>Mand.</u>	<u>Des.</u>	<u>Element</u>		<u>M</u> <u>ID</u> <u>2/2</u>
	PTD01	521	Product Transfer Type Code	
			FG	Flowing Gas Information
				Additional Information
Must Use	PTD04	128	Reference Identification Qualifier	X ID 2/3
			OZ	Product Number
Must Use	PTD05	127	Reference Identification	X AN 1/30
			EL	Electric Service
			GAS	Gas Service

Segment: **REF** **Reference Identification (Customer Supply Status)**
Position: 030
Loop: PTD Mandatory
Level: Detail
Usage: Optional (Must Use)
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~0N~E

Data Element Summary				
	Ref. Des.	Data Element	Name	Attributes
Mand.	REF01	128	Reference Identification Qualifier	M ID 2/3
			0N	Attached To
				Customer Supply Status
Must Use	REF02	127	Reference Identification	X AN 1/30
			E	Customer is receiving supply from an ESCO at the time the transaction is created.
			U	Customer is receiving supply from the Utility at the time the transaction is created.

Segment:	REF Reference Identification (Industry Classification Code)
Position:	030
Loop:	PTD Mandatory
Level:	Detail
Usage:	Optional (Dependent)
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:	Conditional Required if available in the utility's system REF~IJ~123456~NAISC REF~IJ~1234~SIC

Data Element Summary				
	<u>Ref.</u> <u>Des.</u>	<u>Data</u> <u>Element</u>	<u>Name</u>	<u>Attributes</u>
Mand.	REF01	128	Reference Identification Qualifier	M ID 2/3
			IJ	Standard Industry Classification (SIC) Code
				Standard Industry Classification (SIC) Code, or North American Industry Classification System (NAISC) Code
Must Use	REF02	127	Reference Identification	X AN 1/30
				Industry Classification Code (SIC or NAISC) as stored in the Utility's system
Must Use	REF03	352	Description	X AN 1/80
			NAISC	Value contained in REF02 is an NAISC code
			SIC	Value contained in REF02 is an SIC code

Segment:	REF	Reference Identification (Utility Tax Exempt Status)
Position:	030	
Loop:	PTD	Mandatory
Level:	Detail	
Usage:	Optional (Must Use)	
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 The Utility Tax Exempt Status signifies the existence of exemptions and/or certifications, if any, held by the utility, that are used to bill the customer for utility services. The indicator is informational only; the utility's exemption is not transferable to the ESCO to bill the customer for ESCO services. The ESCO should not rely upon the utility's information for billing purposes and should contact the customer to obtain necessary information consistent with the requirements of the New York State Department of Taxation & Finance and any applicable laws. REF~TX~Y	

Data Element Summary				
	<u>Ref. Des.</u>	<u>Data Element</u>	<u>Name</u>	<u>Attributes</u>
Mand.	REF01	128	Reference Identification Qualifier	M ID 2/3
			TX	Tax Exempt Number
				Indicates the Utility's Tax Exemption Status at the time the transaction is created.
Must Use	REF02	127	Reference Identification	X AN 1/30
			N	No, the customer is fully taxed for distribution charges at the time the transaction is created.
			Y	Yes, customer has some level of tax exemption for distribution charges at the time the transaction is created.

Segment: **REF** **Reference Identification (Block on Account)**
Position: 030
Loop: PTD Mandatory
Level: Detail
Usage: Optional (Dependent)
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~~Conditional
Required if there is an Enrollment Block on the account.
REF~ZV~~~NB~~EB

Data Element Summary

	<u>Ref.</u> <u>Des.</u>	<u>Data</u> <u>Element</u>	<u>Name</u>	<u>Attributes</u>
Mand.	REF01	128	Reference Identification Qualifier	M ID 2/3
			ZV	Block
				Block on Account
Must Use	REF02	127	Reference Identification	X AN 1/30
-			BB	Enrollment Block and Historical Usage Block
			EB	Enrollment Block
-			HB	Historical Usage Block
-			NB	No Block

Segment: **REF** **Reference Identification (Account Settlement Indicator)**
Position: 030
Loop: PTD Mandatory
Level: Detail
Usage: Optional (Dependent)
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:

Conditional
 Required for Electric only
 This indicator reflects how the usage is settled with NYISO, not necessarily how the usage is metered.
 REF~TDT~I

Data Element Summary					
	<u>Ref. Des.</u>	<u>Data Element</u>	<u>Name</u>	<u>Attributes</u>	
Mand.	REF01	128	Reference Identification Qualifier	M	ID 2/3
			TDT	Technical Documentation Type	
				Account Settlement Indicator	
Must Use	REF02	127	Reference Identification	X	AN 1/30
			C	Class Load Shape	
			I	Interval	
			M	Mixed	
				Account is settled with the NYISO with both Class Load Shape and Interval data.	

Segment: **REF** Reference Identification (NYPA/ReCharge New York)
Position: 030
Loop: PTD Mandatory
Level: Detail
Usage: Optional (Dependent)
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:

Conditional
 Required if available in the utility's system for Electric only
This will indicate if a customer is a participant of the Recharge New York program offered by the New York Power Authority (NYPA), or if the account receives any other type of NYPA power. The utilities will provide this indicator unless the account is billed outside of the utility's billing system.
 REF~YP~N

Data Element Summary

	Ref. Des.	Data Element	Name	Attributes
Mand.	REF01	128	Reference Identification Qualifier	M ID 2/3
			YP Selling Arrangement	
Must Use	REF02	127	Reference Identification	X AN 1/30
			N No, the customer does not participate in NYPA/ReCharge New York	
			Y Yes, the customer participates in NYPA/ReCharge New York	

Segment:	REF	Reference Identification (Utility Discount)
Position:	030	
Loop:	PTD	Mandatory
Level:	Detail	
Usage:	Optional (Dependent)	
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:	Conditional Required for non-residential accounts This is required for non-residential customers and not intended for residential customers. It is not intended for NYPA-related programs including ReChargeNY. The Indicator is intended to differentiate a specific customer from other customers who are similarly situated but do not receive a discount. For example, if every customer within a service classification received the same discount, there would be no need to indicate a discount. REF~SG~Y	

Data Element Summary				
	<u>Ref. Des.</u>	<u>Data Element</u>	<u>Name</u>	<u>Attributes</u>
Mand.	REF01	128	Reference Identification Qualifier	M ID 2/3
			SG Savings	
			Utility Discounts/Incentive Rate	
Must Use	REF02	127	Reference Identification	X AN 1/30
			N No, there are not Utility Discounts/Incentive Rates	
			Y Yes, there are Utility Discounts/Incentive Rates	

Segment:	REF	Reference Identification (Low Income Participation Status)
Position:	030	
Loop:	PTD	Mandatory
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~5E~LIHP	

Data Element Summary					
	Ref.	Data	Name		Attributes
	Des.	Element			
<u>Mand.</u>	<u>REF01</u>	<u>128</u>	<u>Reference Identification Qualifier</u>		<u>M</u> <u>ID 2/3</u>
-			<u>5E</u>	<u>Consumer Identifier</u>	
				<u>Low Income Participation Status</u>	
<u>Must Use</u>	<u>REF02</u>	<u>127</u>	<u>Reference Identification</u>		<u>X</u> <u>AN 1/30</u>
-			<u>LIHP</u>	<u>Low Income/HEEP Participant</u>	
				<u>The customer is a participant in either a utility low income assistance program or they received a HEEP grant during a period of time specified by the utility.</u>	
-			<u>NOTLIHP</u>	<u>Not Low Income/HEEP Participant</u>	
				<u>The customer is not a participant in either a utility low income assistance program and then did not receive a HEEP grant during a period of time specified by the utility.</u>	

Segment: **QTY** **Quantity (Current Electric Capacity Assignment)**

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:

Conditional

Required if available in the utility's system for Electric only

The QTY/DTM loop may be sent twice depending on the time of year the Historical Usage is being provided. One iteration will show the current Electric Capacity Assignment and a second iteration will show the Electric Capacity Assignment that will be effective in the period defined in the DTM segment.

For example, in February 2014 the values may be reported as:

QTY*KZ*476*K1

DTM*007*****RD8*20130601-20140531

QTY*KZ*450*K1

DTM*007*****RD8*20140601-20150531

Whereas in September 2014 the value would include only one loop because the following year's Electric Capacity Assignment is not yet calculated:

QTY*KZ*450*K1

DTM*007*****RD8*20140601-20150531

~~QTY-KZ-476-K1~~

Data Element Summary

	<u>Ref.</u> <u>Des.</u>	<u>Data</u> <u>Element</u>	<u>Name</u>	<u>Attributes</u>
Mand.	QTY01	673	Quantity Qualifier	M ID 2/2
			KZ	Corrective Action Requests-Written
			ICAP-Tag Electric Capacity Assignment	
Must Use	QTY02	380	Quantity	X R 1/15
			ICAP-Tag Electric Capacity Assignment	
	QTY03	C001	Composite Unit of Measure	O
Mand.	C00101	355	Unit or Basis for Measurement Code	M ID 2/2
			K1	Kilowatt Demand

Segment:	DTM	Date/Time Reference (Current Electric Capacity Assignment Effective
	Dates)	
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:

Conditional

Required if Current Electric Capacity Assignment (QTY*KZ) is sent.

The QTY/DTM loop may be sent twice depending on the time of year the Historical Usage is being provided. One iteration will show the current Electric Capacity Assignment and a second iteration will show the Electric Capacity Assignment that will be effective in the period defined in the DTM segment.

For example, in February 2014 the values may be reported as:

QTY*KZ*476*K1

DTM*007*****RD8*20130601-20140531

QTY*KZ*450*K1

DTM*007*****RD8*20140601-20150531

Whereas in September 2014 the value would include only one loop because the following year's Electric Capacity Assignment is not yet calculated:

QTY*KZ*450*K1

DTM*007*****RD8*20140601-20150531

Data Element Summary

Ref.	Data				Attributes
Des.	Element	Name			
Mand.	DTM01	374	Date/Time Qualifier		M ID 3/3
-			007	Effective	
				Current Electric Capacity Assignment Effective Dates	
Must Use	DTM05	1250	Date Time Period Format Qualifier		X ID 2/3
-			RD8	Range of Dates Expressed in Format	
				CCYYMMDD-CCYYMMDD	
Must Use	DTM06	1251	Date Time Period		X AN 1/35
				Period expressed in the format CCYYMMDD-CCYYMMDD	

Segment:	QTY Quantity (Future Electric Capacity Assignment)
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:	Optional

The QTY/DTM loop may be sent twice depending on the time of year the Historical Usage is being provided. One iteration will show the current Electric Capacity Assignment and a second iteration will show the Electric Capacity Assignment that will be effective in the period defined in the DTM segment.

For example, in February 2014 the values may be reported as:

QTY*KZ*476*K1

DTM*007*****RD8*20130601-20140531

QTY*KZ*450*K1

DTM*007*****RD8*20140601-20150531

Whereas in September 2014 the value would include only one loop because the following year's Electric Capacity Assignment is not yet calculated:

QTY*KZ*450*K1

DTM*007*****RD8*20140601-20150531

Data Element Summary

<u>Ref.</u>	<u>Data</u>	<u>Element</u>	<u>Name</u>	<u>Attributes</u>
<u>Mand.</u>	<u>QTY01</u>	<u>673</u>	<u>Quantity Qualifier</u>	<u>M</u> <u>ID 2/2</u>
-			<u>KZ</u> <u>Corrective Action Requests-Written</u> <u>Future Electric Capacity Assignment</u>	
<u>Must Use</u>	<u>QTY02</u>	<u>380</u>	<u>Quantity</u>	<u>X</u> <u>R 1/15</u>
			<u>Future Electric Capacity Assignment</u>	
	<u>QTY03</u>	<u>C001</u>	<u>Composite Unit of Measure</u>	<u>O</u>
<u>Mand.</u>	<u>C00101</u>	<u>355</u>	<u>Unit or Basis for Measurement Code</u>	<u>M</u> <u>ID 2/2</u>
-			<u>K1</u> <u>Kilowatt Demand</u>	

Segment:	DTM	Date/Time Reference (Future Electric Capacity Assignment Effective
	Dates)	
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:

Conditional

Required if Future Electric Capacity Assignment (QTY*KZ) is sent.

The QTY/DTM loop may be sent twice depending on the time of year the Historical Usage is being provided. One iteration will show the current Electric Capacity Assignment and a second iteration will show the Electric Capacity Assignment that will be effective in the period defined in the DTM segment.

For example, in February 2014 the values may be reported as:

QTY*KZ*476*K1

DTM*007*****RD8*20130601-20140531

QTY*KZ*450*K1

DTM*007*****RD8*20140601-20150531

Whereas in September 2014 the value would include only one loop because the following year's Electric Capacity Assignment is not yet calculated:

QTY*KZ*450*K1

DTM*007*****RD8*20140601-20150531

Data Element Summary

Ref.	Data				Attributes
Des.	Element	Name			
Mand.	DTM01	374	Date/Time Qualifier		M ID 3/3
-			007	Effective	
				Future Electric Capacity Assignment Effective Dates	
Must Use	DTM05	1250	Date Time Period Format Qualifier		X ID 2/3
-			RD8	Range of Dates Expressed in Format	
				CCYYMMDD-CCYYMMDD	
Must Use	DTM06	1251	Date Time Period		X AN 1/35
				Period expressed in the format CCYYMMDD-CCYYMMDD	

Segment:	QTY Quantity (Number of Meters)
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:	<p>Required - One QTY loop will be provided to indicate the Number of Meters on the account along with each individual Meter Number in subsequent REF segments. If the account has only unmetered services, the QTY02 would be 0.</p> <p>For example:</p> <p>QTY~9N~3 REF~MG~13259131 REF~MG~59381932 REF~MG~10393823 REF~MG~UNMETERED</p> <p>QTY~9N~0 REF~MG~UNMETERED</p>

Data Element Summary				
	<u>Ref.</u> <u>Des.</u>	<u>Data</u> <u>Element</u>	<u>Name</u>	<u>Attributes</u>
Mand.	QTY01	673	Quantity Qualifier	M ID 2/2
			9N	Component Meter Reading Count
				Number of Meters on the Account
Must Use	QTY02	380	Quantity	X R 1/15
			Number of Meters on the Account	

Segment: **REF** **Reference Identification (Meter Number)**
Position: 190
Loop: QTY 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 - One REF segment will be sent for each Meter Number on the account and/or one REF segment would be sent if there are unmetered services on the account.

For example:
 QTY~9N~3
 REF~MG~13259131
 REF~MG~59381932
 REF~MG~10393823
 REF~MG~UNMETERED

 QTY~9N~0
 REF~MG~UNMETERED

Data Element Summary

	<u>Ref.</u> <u>Des.</u>	<u>Data</u> <u>Element</u>	<u>Name</u>	<u>Attributes</u>
Mand.	REF01	128	Reference Identification Qualifier	M ID 2/3
			MG Meter Number	
Must Use	REF02	127	Reference Identification	X AN 1/30
			Meter Number	

CLEAN

Segment: **PTD** **Product Transfer and Resale Detail (Additional Information)**

Position: 010

Loop: PTD Mandatory

Level: Detail

Usage: Mandatory

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

PTD~FG~~~OZ~GAS

Data Element Summary

	<u>Ref.</u> <u>Des.</u>	<u>Data</u> <u>Element</u>	<u>Name</u>	<u>Attributes</u>
Mand.	PTD01	521	Product Transfer Type Code	M ID 2/2
			FG Flowing Gas Information	
			Additional Information	
Must Use	PTD04	128	Reference Identification Qualifier	X ID 2/3
			OZ Product Number	
Must Use	PTD05	127	Reference Identification	X AN 1/30
			EL Electric Service	
			GAS Gas Service	

Segment: **REF** **Reference Identification (Customer Supply Status)**
Position: 030
Loop: PTD Mandatory
Level: Detail
Usage: Optional (Must Use)
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~0N~E

Data Element Summary				
	Ref. Des.	Data Element	Name	Attributes
Mand.	REF01	128	Reference Identification Qualifier	M ID 2/3
			0N	Attached To
				Customer Supply Status
Must Use	REF02	127	Reference Identification	X AN 1/30
			E	Customer is receiving supply from an ESCO at the time the transaction is created.
			U	Customer is receiving supply from the Utility at the time the transaction is created.

Segment:	REF	Reference Identification (Industry Classification Code)
Position:	030	
Loop:	PTD	Mandatory
Level:	Detail	
Usage:	Optional (Dependent)	
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:	Conditional Required if available in the utility's system REF~IJ~123456~NAISC REF~IJ~1234~SIC	

Data Element Summary				
	<u>Ref.</u> <u>Des.</u>	<u>Data</u> <u>Element</u>	<u>Name</u>	<u>Attributes</u>
Mand.	REF01	128	Reference Identification Qualifier	M ID 2/3
			IJ	Standard Industry Classification (SIC) Code
				Standard Industry Classification (SIC) Code, or North American Industry Classification System (NAISC) Code
Must Use	REF02	127	Reference Identification	X AN 1/30
				Industry Classification Code (SIC or NAISC) as stored in the Utility's system
Must Use	REF03	352	Description	X AN 1/80
			NAISC	Value contained in REF02 is an NAISC code
			SIC	Value contained in REF02 is an SIC code

Segment:	REF	Reference Identification (Utility Tax Exempt Status)
Position:	030	
Loop:	PTD	Mandatory
Level:	Detail	
Usage:	Optional (Must Use)	
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 The Utility Tax Exempt Status signifies the existence of exemptions and/or certifications, if any, held by the utility, that are used to bill the customer for utility services. The indicator is informational only; the utility's exemption is not transferable to the ESCO to bill the customer for ESCO services. The ESCO should not rely upon the utility's information for billing purposes and should contact the customer to obtain necessary information consistent with the requirements of the New York State Department of Taxation & Finance and any applicable laws. REF~TX~Y	

Data Element Summary				
	<u>Ref.</u> <u>Des.</u>	<u>Data</u> <u>Element</u>	<u>Name</u>	<u>Attributes</u>
Mand.	REF01	128	Reference Identification Qualifier	M ID 2/3
			TX	Tax Exempt Number
				Indicates the Utility's Tax Exemption Status at the time the transaction is created.
Must Use	REF02	127	Reference Identification	X AN 1/30
			N	No, the customer is fully taxed for distribution charges at the time the transaction is created.
			Y	Yes, customer has some level of tax exemption for distribution charges at the time the transaction is created.

Segment: **REF** **Reference Identification (Block on Account)**

Position: 030

Loop: PTD Mandatory

Level: Detail

Usage: Optional (Dependent)

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: Conditional
Required if there is an Enrollment Block on the account.
REF~ZV~EB

Data Element Summary					
	<u>Ref.</u> <u>Des.</u>	<u>Data</u> <u>Element</u>	<u>Name</u>	<u>Attributes</u>	
Mand.	REF01	128	Reference Identification Qualifier	M	ID 2/3
			ZV	Block	
				Block on Account	
Must Use	REF02	127	Reference Identification	X	AN 1/30
			EB	Enrollment Block	

Segment: **REF** **Reference Identification (Account Settlement Indicator)**
Position: 030
Loop: PTD Mandatory
Level: Detail
Usage: Optional (Dependent)
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:

Conditional
 Required for Electric only
 This indicator reflects how the usage is settled with NYISO, not necessarily how the usage is metered.
 REF~TDT~I

Data Element Summary

	<u>Ref.</u> <u>Des.</u>	<u>Data</u> <u>Element</u>	<u>Name</u>	<u>Attributes</u>
Mand.	REF01	128	Reference Identification Qualifier	M ID 2/3
			TDT	Technical Documentation Type
				Account Settlement Indicator
Must Use	REF02	127	Reference Identification	X AN 1/30
			C	Class Load Shape
			I	Interval
			M	Mixed
				Account is settled with the NYISO with both Class Load Shape and Interval data.

Segment:	REF	Reference Identification (NYPA/ReCharge New York)
Position:	030	
Loop:	PTD	Mandatory
Level:	Detail	
Usage:	Optional (Dependent)	
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:	Conditional Required if available in the utility's system for Electric only This will indicate if a customer is a participant of the Recharge New York program offered by the New York Power Authority (NYPA), or if the account receives any other type of NYPA power. The utilities will provide this indicator unless the account is billed outside of the utility's billing system. REF~YP~N	

Data Element Summary				
	<u>Ref.</u> <u>Des.</u>	<u>Data</u> <u>Element</u>	<u>Name</u>	<u>Attributes</u>
Mand.	REF01	128	Reference Identification Qualifier	M ID 2/3
			YP Selling Arrangement	
Must Use	REF02	127	Reference Identification	X AN 1/30
			N No, the customer does not participate in NYPA/ReCharge New York	
			Y Yes, the customer participates in NYPA/ReCharge New York	

Segment:	REF	Reference Identification (Utility Discount)
Position:	030	
Loop:	PTD	Mandatory
Level:	Detail	
Usage:	Optional (Dependent)	
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:	Conditional Required for non-residential accounts This is required for non-residential customers and not intended for residential customers. It is not intended for NYPA-related programs including ReChargeNY. The Indicator is intended to differentiate a specific customer from other customers who are similarly situated but do not receive a discount. For example, if every customer within a service classification received the same discount, there would be no need to indicate a discount. REF~SG~Y	

Data Element Summary				
	<u>Ref.</u> <u>Des.</u>	<u>Data</u> <u>Element</u>	<u>Name</u>	<u>Attributes</u>
Mand.	REF01	128	Reference Identification Qualifier	M ID 2/3
			SG	Savings
				Utility Discounts/Incentive Rate
Must Use	REF02	127	Reference Identification	X AN 1/30
			N	No, there are not Utility Discounts/Incentive Rates
			Y	Yes, there are Utility Discounts/Incentive Rates

Segment: **REF** **Reference Identification (Low Income Participation Status)**
Position: 030
Loop: PTD Mandatory
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~5E~LIHP

Data Element Summary					
	Ref. Des.	Data Element	Name	Attributes	
Mand.	REF01	128	Reference Identification Qualifier	M	ID 2/3
			5E	Consumer Identifier	
				Low Income Participation Status	
Must Use	REF02	127	Reference Identification	X	AN 1/30
			LIHP	Low Income/HEEP Participant	
				The customer is a participant in either a utility low income assistance program or they received a HEEP grant during a period of time specified by the utility.	
			NOTLIHP	Not Low Income/HEEP Participant	
				The customer is not a participant in either a utility low income assistance program and then did not receive a HEEP grant during a period of time specified by the utility.	

Segment:	QTY Quantity (Current Electric Capacity Assignment)
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:	<p>Conditional</p> <p>Required if available in the utility's system for Electric only</p> <p>The QTY/DTM loop may be sent twice depending on the time of year the Historical Usage is being provided. One iteration will show the current Electric Capacity Assignment and a second iteration will show the Electric Capacity Assignment that will be effective in the period defined in the DTM segment.</p> <p>For example, in February 2014 the values may be reported as:</p> <p>QTY*KZ*476*K1 DTM*007*****RD8*20130601-20140531</p> <p>QTY*KZ*450*K1 DTM*007*****RD8*20140601-20150531</p> <p>Whereas in September 2014 the value would include only one loop because the following year's Electric Capacity Assignment is not yet calculated:</p> <p>QTY*KZ*450*K1 DTM*007*****RD8*20140601-20150531</p>

Data Element Summary

	<u>Ref.</u> <u>Des.</u>	<u>Data</u> <u>Element</u>	<u>Name</u>	<u>Attributes</u>
Mand.	QTY01	673	Quantity Qualifier	M ID 2/2
			KZ	Corrective Action Requests-Written
				Electric Capacity Assignment
Must Use	QTY02	380	Quantity	X R 1/15
				Electric Capacity Assignment
	QTY03	C001	Composite Unit of Measure	O
Mand.	C00101	355	Unit or Basis for Measurement Code	M ID 2/2
			K1	Kilowatt Demand

Segment: **DTM** **Date/Time Reference (Current Electric Capacity Assignment Effective Dates)**

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:

Conditional
Required if Current Electric Capacity Assignment (QTY*KZ) is sent.

The QTY/DTM loop may be sent twice depending on the time of year the Historical Usage is being provided. One iteration will show the current Electric Capacity Assignment and a second iteration will show the Electric Capacity Assignment that will be effective in the period defined in the DTM segment.

For example, in February 2014 the values may be reported as:

QTY*KZ*476*K1

DTM*007*****RD8*20130601-20140531

QTY*KZ*450*K1

DTM*007*****RD8*20140601-20150531

Whereas in September 2014 the value would include only one loop because the following year's Electric Capacity Assignment is not yet calculated:

QTY*KZ*450*K1

DTM*007*****RD8*20140601-20150531

Data Element Summary

Mand.	Ref. Des.	Data Element	Name		Attributes	
			Date/Time	Qualifier	M	ID 3/3
	DTM01	374	007	Effective Current Electric Capacity Assignment Effective Dates		
Must Use	DTM05	1250	Date Time Period Format	Qualifier	X	ID 2/3
			RD8	Range of Dates Expressed in Format CCYYMMDD-CCYYMMDD		
Must Use	DTM06	1251	Date Time Period		X	AN 1/35
			Period expressed in the format CCYYMMDD-CCYYMMDD			

Segment: QTY Quantity (Future Electric Capacity Assignment)
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:

Optional

The QTY/DTM loop may be sent twice depending on the time of year the Historical Usage is being provided. One iteration will show the current Electric Capacity Assignment and a second iteration will show the Electric Capacity Assignment that will be effective in the period defined in the DTM segment.

For example, in February 2014 the values may be reported as:

QTY*KZ*476*K1
DTM*007*****RD8*20130601-20140531
QTY*KZ*450*K1
DTM*007*****RD8*20140601-20150531

Whereas in September 2014 the value would include only one loop because the following year's Electric Capacity Assignment is not yet calculated:

QTY*KZ*450*K1
DTM*007*****RD8*20140601-20150531

Data Element Summary

	Ref. Des.	Data Element	Name	Attributes
Mand.	QTY01	673	Quantity Qualifier	M ID 2/2
			KZ	Corrective Action Requests-Written Future Electric Capacity Assignment
Must Use	QTY02	380	Quantity	X R 1/15
			Future Electric Capacity Assignment	
	QTY03	C001	Composite Unit of Measure	O
Mand.	C00101	355	Unit or Basis for Measurement Code	M ID 2/2
			K1	Kilowatt Demand

Segment:	DTM Date/Time Reference (Future Electric Capacity Assignment Effective Dates)
Position:	210
Loop:	QTY Optional
Level:	Detail
Usage:	Optional
Max Use:	10
Purpose:	To specify pertinent dates and times
Syntax Notes:	<ol style="list-style-type: none"> 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:	<p>Conditional</p> <p>Required if Future Electric Capacity Assignment (QTY*KZ) is sent.</p> <p>The QTY/DTM loop may be sent twice depending on the time of year the Historical Usage is being provided. One iteration will show the current Electric Capacity Assignment and a second iteration will show the Electric Capacity Assignment that will be effective in the period defined in the DTM segment.</p> <p>For example, in February 2014 the values may be reported as:</p> <p>QTY*KZ*476*K1 DTM*007*****RD8*20130601-20140531</p> <p>QTY*KZ*450*K1 DTM*007*****RD8*20140601-20150531</p> <p>Whereas in September 2014 the value would include only one loop because the following year's Electric Capacity Assignment is not yet calculated:</p> <p>QTY*KZ*450*K1 DTM*007*****RD8*20140601-20150531</p>

Data Element Summary					
	Ref.	Data			
	<u>Des.</u>	<u>Element</u>	<u>Name</u>		<u>Attributes</u>
Mand.	DTM01	374	Date/Time Qualifier		M ID 3/3
			007 Effective		
			Future Electric Capacity Assignment Effective Dates		
Must Use	DTM05	1250	Date Time Period Format Qualifier		X ID 2/3
			RD8 Range of Dates Expressed in Format CCYYMMDD-CCYYMMDD		
Must Use	DTM06	1251	Date Time Period		X AN 1/35
			Period expressed in the format CCYYMMDD-CCYYMMDD		

Segment:	QTY Quantity (Number of Meters)
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:	<p>Required - One QTY loop will be provided to indicate the Number of Meters on the account along with each individual Meter Number in subsequent REF segments. If the account has only unmetered services, the QTY02 would be 0.</p> <p>For example:</p> <p>QTY~9N~3 REF~MG~13259131 REF~MG~59381932 REF~MG~10393823 REF~MG~UNMETERED</p> <p>QTY~9N~0 REF~MG~UNMETERED</p>

Data Element Summary				
	<u>Ref.</u> <u>Des.</u>	<u>Data</u> <u>Element</u>	<u>Name</u>	<u>Attributes</u>
Mand.	QTY01	673	Quantity Qualifier	M ID 2/2
			9N	Component Meter Reading Count
				Number of Meters on the Account
Must Use	QTY02	380	Quantity	X R 1/15
				Number of Meters on the Account

Segment: **REF** **Reference Identification (Meter Number)**
Position: 190
Loop: QTY 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 - One REF segment will be sent for each Meter Number on the account and/or one REF segment would be sent if there are unmetered services on the account.

For example:

QTY~9N~3

REF~MG~13259131

REF~MG~59381932

REF~MG~10393823

REF~MG~UNMETERED

QTY~9N~0

REF~MG~UNMETERED

Data Element Summary

	<u>Ref.</u> <u>Des.</u>	<u>Data</u> <u>Element</u>	<u>Name</u>	<u>Attributes</u>
Mand.	REF01	128	Reference Identification Qualifier	M ID 2/3
			MG Meter Number	
Must Use	REF02	127	Reference Identification	X AN 1/30
			Meter Number	

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~99~0001

Data Element Summary

	<u>Ref.</u> <u>Des.</u>	<u>Data</u> <u>Element</u>	<u>Name</u>	<u>Attributes</u>
Mand.	SE01	96	Number of Included Segments	M N0 1/10
Mand.	SE02	329	Transaction Set Control Number	M AN 4/9

Sample of new information to be provided:

PTD*FG***OZ*EL	Beginning of Loop; Commodity (EL = Electric, GAS = Gas)
REF*ON*E	Customer is supplied by the ESCO (E = ESCO, U = Utility)
REF*IJ*123456*NAISC	Industry Classification Code (SIC/NAISC)
REF*TX*Y	Customer has some level of Tax Exemption (Y = Yes, N = No)
REF*ZV*EB	Enrollment Block Status (EB = Enroll Block)
REF*TDT*I	Account Settlement Indicator (I = Interval, C = Class Load Shape, M = Mixed)
REF*YP*N	NYPA/ReCharge New York (Y = Yes, N = No)
REF*SG*N	Utility Discount (Y = Yes, N = No)
REF*5E*NOTLIHP	Low Income Participation Status (LIHP = Yes, NOTLIHP = No)
QTY*KZ*123.456*K1	Current Electric Capacity Assignment
DTM*007****RD8*20140601-20150531	Current Electric Capacity Assignment Effective Dates
QTY*KZ*450.112*K1	Future Electric Capacity Assignment
DTM*007****RD8*20140601-20150531	Future Electric Capacity Assignment Effective Dates
QTY*9N*3	Number of Meters
REF*MG*111111111	Meter Number of First Meter
REF*MG*G87132174	Meter Number of Second Meter
REF*MG*M1237810	Meter Number of Third Meter
REF*MG*UNMETERED	Unmetered services exist on the account