

**Pennsylvania
New Jersey
Delaware
Maryland**

**Implementation
Guideline**

For

Electronic Data Interchange

TRANSACTION SET

814 Drop

Request and Response

Ver/Rel 004010

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	Summary of Changes
May 27, 1999 Version 1.0	Issued as FINAL for Pennsylvania – Version 1.0 for 4010
June 7, 1999 Version 1.1	<ul style="list-style-type: none"> Added NJ rules / definitions to Notes page Remove N2 segment from page 5 Corrected Accept Response Use on drop for N1*8S (LDC), N1*SJ (ESP), and N1*8R (Customer) Corrected use on Mailing Address LDC to ESP Accept Response should be “not used” Added NJ clarifications to Pending Drop, REF*11 (ESP Account number, REF*45 (Old LDC Acct number) Corrected IP usage for codes 007 (ESP to LDC only) and 020 (LDC to ESP only)
June 12, 1999 Version 1.2	<ul style="list-style-type: none"> Added clarification for forwarding address for New Jersey
June 30, 1999 Version 2.0	<ul style="list-style-type: none"> Issued as FINAL for New Jersey. Changed “EGS” to “ESP” and “LDC” to “LDC” throughout the guideline. Removed “NJ Definitions” and replaced it with “LDC Definitions” and “ESP Definitions” in the Notes section. Changed LIN01 to say that the tracking number must be unique over all time. Corrected LIN03 to “Identifies the product” instead of “Indicates a customer request to obtain Electric Service” Corrected spelling errors and formatting. Added “How to use the implementation guideline” page. In addition, changed all headers to the true X12 definition... correcting some mistakes that were missed in 4010. Also corrected the Table on Page 4 to reflect X12 definitions and added the words “X12 Structure” to the title on that page. Copied LIN notes from Enrollment Added examples (Zip+4 on N4, FX & EM on PER, etc.) Updated rules for status and rejection reasons. Combined “PA Implementation” with “PA Use” Corrected LDC to ESP Accept Response to allow the mailing address to be optional per data dictionary. Added note from Enrollment regarding ESP Account number Added N106 (Sender and Receiver) to ESP and LDC for consistency with other 814s.
July 2, 1999 Version 2.1	<ul style="list-style-type: none"> Clarified note on REF*7G Changed rejection code “Cannot Identify Service Provider” to “Cannot Identify ESP” for consistency.
October 1, 1999 DRAFT Version 2.1a	<p>Change Control #004:</p> <ul style="list-style-type: none"> Moved Rules that were on the Data Dictionary Intro Page to the Implementation Guideline Notes Page Moved NJ Rules to a separate page including one rule that was on the Data Dictionary For the “Echoing Data on Reject” rule on the notes page, changed the word “will” to “may” ... the response “may” echo back the invalid data... Clarified graybox for LIN05 Clarified notes for ASI (removed “status” because it is for both rejection and status reason codes). Clarified REF03 for REF*1P Examples: fixed sender/receiver codes on Drop Request LDC to ESP example and added information in right column for forwarding address. Added Delaware Use for Delmarva Clarified Delmarva’s storing of ESP account number. Fixed some X12 descriptions

November 4, 1999 Version 2.2	This is a FINAL version for Pennsylvania and New Jersey
November, 1999 Draft version 2.2MD1	<ul style="list-style-type: none"> • Add Maryland use to document – the changes were added to the DRAFT version 2.2 of the regional standards • Added sample Data Dictionary to Implementation Guide • Add Table of Contents • Added note to N1*FE (Forwarding Address) to indicate that Delmarva can not provide this information.
December 23, 1999 Version 2.2MD2	<ul style="list-style-type: none"> • Modified Data Dictionary Customer Name length to allow for 60 for Maryland
January 17, 2000 Version 2.2MD3	<ul style="list-style-type: none"> • PA Change Control 011 – Allow API, A91 as valid drop rejection reasons (REF*7G)
February 24, 2000 Version 2.2MD4	<ul style="list-style-type: none"> • Clarified use of Old Account Number (REF*45)
March 31, 2000 Version 2.2MD5	<ul style="list-style-type: none"> • Incorporate PA Change Request x01?: Make forwarding address required if it was provided to LDC (PA only). • This transaction is considered FINAL for Maryland
March 31, 2000 Version 2.2MD6	Corrected LIN examples from LIN*SH to LIN*1*SH
May 14, 2000 Version 2.3	This document is a new finalized version of PA and MD. NJ is still using Version 2.2.
September 10, 2000 Version 2.4	This transaction is a new FINAL version for Pennsylvania, New Jersey, Maryland, and Delaware (Delmarva only).
October 19, 2001 Version 2.4rev01	<ul style="list-style-type: none"> • Incorporate PA Change Control 037 (B42 – Alleged Slam) • Incorporate Delaware Electric Coop (DEC) information for Delaware
December 13, 2001 Version 2.4rev02	Delete PA Change Control 037 (not approved)
January 9, 2002 Version 3.0	This transaction is a new FINAL version for Pennsylvania, New Jersey, Maryland, and Delaware.
June 8, 2005 Version 4.0	<ul style="list-style-type: none"> • Incorporate PA Change Control 041 (B42 – Alleged Slam)
January 20, 2006 Version 4.0.1D	<ul style="list-style-type: none"> • Incorporate NJ Change Control 005 (NJ CleanPower program changes) • Incorporate NJ Change Control 006 to reflect current operations
October 23, 2006 Version 4.0.2D	<ul style="list-style-type: none"> ▪ Incorporate NJ Change Control 008 to reflect NJ CleanPower – unmetered usage for RECO)
February 12, 2007 Version 4.0.3F	<ul style="list-style-type: none"> ▪ Considered FINAL for PA and NJ
July 4, 2009 Version 4.0.5D	<ul style="list-style-type: none"> ▪ Incorporate NJ Change Control PSEG-E-Ref45 ▪ Incorporate MD Change Control RM17-814
January 24, 2010 Version 3.1	This transaction is a new FINAL version for Pennsylvania, New Jersey, Maryland, and Delaware.
September 8, 2010 Version 4.1.1D	<ul style="list-style-type: none"> • Incorporate PA Change Control 060 • Incorporate MD Change Control – Admin (Admin/Cleanup change for MD)
February 28, 2011 Version 5.0	This transaction is a new FINAL version for Pennsylvania, New Jersey, Maryland, and Delaware.
February 16, 2012 Version 5.01	<ul style="list-style-type: none"> • Incorporate PA Change Control 093 (Admin updates)

March 8, 2013 Version 6.0	<ul style="list-style-type: none"> • Moving to v6.0 to align versions across all transaction sets • Cleaned up references to Allegheny and APS throughout document
March 17, 2014 Version 6.1	<ul style="list-style-type: none"> • Incorporate MD Change Control 022 (PHI new CIS, changes to 814D) • Incorporate NJ Change Control Electric 023 (ACE new CIS, changes to 814D) • Incorporate NJ Change Control Electric 031 (Rockland removal from IG)
February 18, 2015 Version 6.2	<ul style="list-style-type: none"> • Incorporate PA Change Control 118 (EGS optional response) • Incorporate PA Change Control 120 (add drop/reason code NLI to REF1P)
February 5, 2016 Version 6.3	<ul style="list-style-type: none"> • Incorporate PA Change Control 130 (add drop reason code SMW to REF1P)
March 14, 2017 Version 6.4	<ul style="list-style-type: none"> • Incorporate PA Change Control 135 (add reject reason code ICW to REF7G) • Incorporate MD Change Control 047 (add reject reason code MAX to REF7G)
May 18, 2018 Version 6.5	<ul style="list-style-type: none"> • Incorporate MD Change Control 049 (clarify drop processing in MD Notes)

	General Notes
Use	<ul style="list-style-type: none"> • The Drop Request can be used for any of the following situations: <ul style="list-style-type: none"> • Customer Contacts LDC to Drop ESP (Switch to LDC) • Customer Contacts New ESP to Switch (Triggers Drop to Old ESP) • Customer Rescinds Enrollment Request • ESP Drops Customer • LDC Drops Customer – Temporary (Includes Terminations and Temporary Disconnects) • LDC Drops Customer – Permanent (Includes Final Terminations and Final Bills)
One Account per 814	One customer account per 814.
Tracking number on Request and Response transactions	On the request, the LIN01 is a unique tracking number for each line item (LIN) in this transaction. This number must be unique over all time, and is assigned by the sender of the request transactions. This number must be returned on the response transaction (accept or reject), in the same element (LIN01).
Multiple LINS	There is only one LIN per account per 814
Response per LIN	<p>There will be one 814 drop response for each 814 drop request.</p> <p>In Pennsylvania it's the option of the EGS to send the drop response to LDC imitated drop requests. The 997 Functional Acknowledgement is required by all parties. In the event the EGS opts out of sending the 814 response, the 997 becomes more critical being the proof the EGS processed the utility request.</p>
Temporary/Final	The Drop transaction must be differentiated between a temporary drop and a permanent drop. A temporary drop may include the initial termination for non-payment or any seasonal or temporary disconnect. The final drop may include the permanent disconnect after a waiting period for termination, a customer moving outside the service territory, switches, etc.
Drop Reason Required on Request	The Drop transaction requires a Status Reason Code on the Request to inform the other party why the customer is being dropped. There are also conditions when a Status Reason Code must be conveyed on a Response transaction. Please refer to the REF*1P segment for details.
Echoing Data on Reject	If a transaction is rejected due to invalid information, the Response may echo back the invalid data along with the reason code.
LDC Definitions:	<p>The term LDC (Local Distribution Company) in this document refers to the utility. Each state may refer to the utility by a different acronym:</p> <ul style="list-style-type: none"> • EDC – Electric Distribution Company (Pennsylvania, Delaware) • LDC – Local Distribution Company (New Jersey) • EC – Electric Company (Maryland)
ESP Definitions:	<p>The term ESP (Energy Service Provider) in this document refers to the supplier. Each state may refer to the supplier by a different acronym:</p> <ul style="list-style-type: none"> • EGS – Electric Generation Supplier (Pennsylvania) • TPS – Third Party Supplier (New Jersey) • ES – Electric Supplier (Delaware) • ES – Electricity Supplier (Maryland)
Renewable Energy Provider Definition:	<p>The term Renewable Energy Provider in this document refers to the party that provides Renewable Energy Credits (RECs). This party does not provide generation to the account. Each state may refer to the Renewable Energy Provider by a different acronym:</p> <ul style="list-style-type: none"> • GPM – Green Power Marketer (New Jersey) <p>Note: The transaction will either have an ESP or a Renewable Energy Provider, but not both.</p>

New Jersey Notes	
Drop Processing Time	<ul style="list-style-type: none"> A drop may be processed up to 13 days prior to the scheduled meter read.
Rescinding a Drop	<ul style="list-style-type: none"> NJ Rules allow for a customer to rescind a drop when they initiated it through the LDC. If this happens, the LDC will send a reinstatement transaction to the ESP. If the ESP sends the drop to the LDC, it may not be rescinded.

Delaware Notes	
Rescinding a Drop:	<ul style="list-style-type: none"> DE Rules allow for a customer to rescind a drop when they initiated it through the LDC. If this happens, the LDC will send a reinstatement transaction to the ESP. If the ESP sends the drop to the LDC, it may not be rescinded.

Maryland Notes	
Rescinding a Drop	<ul style="list-style-type: none"> In MD the supplier may reverse/cancel their drop request to the utility within 2 business days of the drop request by sending the Drop Cancel to the utility via EDI 814 Enrollment with REF*1P*EB1. If the drop cancel is received outside the 2-business day window, the request will be rejected by the utility.

How to Use the Implementation Guideline

Segment: **REF** Reference Identification
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:

This section is used to show the X12 Rules for this segment. You must look further into the grayboxes below for State Rules.

Notes:	Recommended by UIG
PA Use:	Must be identical to account number as it appears on the customer's bill, excluding punctuation (spaces, dashes, etc.). Significant leading and trailing zeros must be included.
	Request: Required Accept Response: Required Reject Response: Required
NJ Use:	Same as PA
Example:	REF*12*2931839200

The "Notes:" section generally contains notes by the Utility Industry Group (UIG).

This section is used to show the individual State's Rules for implementation of this segment.

One or more examples.

Data Element Summary

	<u>Ref. Des.</u>	<u>Data Element</u>	<u>Name</u>	<u>X12 Attributes</u>
Must Use	REF01	128	Reference Identification Qualifier Code qualifying the Reference Identification 12 Billing Account LDC assigned account number for end use customer.	M ID 2/3
Must Use	REF02	127	Reference Identification Qualifier Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier	X AN 1/30

This column shows the use of each data element. If state rules differ, this will show "Conditional" and the conditions will be explained in the appropriate grayboxes.

These are X12 code descriptions, which often do not relate to the information we are trying to send. Unfortunately, X12 cannot keep up with our code needs so we often change the meanings of existing codes. See graybox for the UIG or state definitions.

This column shows the X12 attributes for each data element. Please refer to Data Dictionary for individual state rules.

M = Mandatory, O= Optional, X = Conditional

AN = Alphanumeric, N# = Decimal value, ID = Identification, R = Real

1/30 = Minimum 1, Maximum 30

814 General Request, Response or Confirmation X12 Structure

Functional Group ID=**GE**

Heading

	<u>Pos. No.</u>	<u>Seg. ID</u>	<u>Name</u>	<u>Req. Des.</u>	<u>Max. Use</u>	<u>Loop Repeat</u>	<u>Notes and Comments</u>
Must Use	010	ST	Transaction Set Header	M	1		
Must Use	020	BGN	Beginning Segment	M	1		
			LOOP ID - N1			>1	
	040	N1	Name	O	1		n1
	060	N3	Address Information	O	2		
	070	N4	Geographic Location	O	1		
	080	PER	Administrative Communications Contact	O	>1		

Detail

	<u>Pos. No.</u>	<u>Seg. ID</u>	<u>Name</u>	<u>Req. Des.</u>	<u>Max. Use</u>	<u>Loop Repeat</u>	<u>Notes and Comments</u>
			LOOP ID - LIN			>1	
	010	LIN	Item Identification	O	1		
	020	ASI	Action or Status Indicator	O	1		
	030	REF	Reference Identification	O	>1		
	040	DTM	Date/Time Reference	O	>1		

Summary

	<u>Pos. No.</u>	<u>Seg. ID</u>	<u>Name</u>	<u>Req. Des.</u>	<u>Max. Use</u>	<u>Loop Repeat</u>	<u>Notes and Comments</u>
Must Use	150	SE	Transaction Set Trailer	M	1		

Transaction Set Notes:

1. The N1 loop is used to identify the transaction sender and receiver.

Data Dictionary for 814 Drop

<i>Appl Field</i>	<i>Field Name</i>	<i>Description</i>	<i>EDI Element</i>	<i>Loop / Related EDI Qualifier</i>	<i>Data Type</i>
1	Transaction Set Purpose Code	Request = 13 Response = 11	BGN01		X(2)
2	Transaction Reference Number	Unique Number assigned by the sender identifying this transaction. This number must be unique over time.	BGN02		X(30)
3	System Date	Date that the data was processed by the sender's application system.	BGN03		9(8)
4	Transaction Reference Number	Original Transaction Reference Number echoed from the Original Request Transaction (BGN02).	BGN06		X(30)
5	LDC Name	LDC's Name	N102	N1: N101 = 8S	X(60)
6	LDC Duns	LDC's DUNS Number or DUNS+4 Number	N104	N1: N101 = 8S N103 = 1 or 9 N106 = 40 or 41	X(13)
7	ESP Name	ESP's Name	N102	N1: N101 = SJ	X(60)
8	ESP Duns	ESP's DUNS Number or DUNS+4 Number	N104	N1: N101 = SJ N103 = 1 or 9 N106 = 40 or 41	X(13)
8.3	Renewable Energy Provider Name	Renewable Energy Provider 's Name	N102	N1: N101 = G7	X(60)
8.4	Renewable Energy Provider Duns	Renewable Energy Provider 's DUNS Number or DUNS+4 Number	N104	N1: N101 = G7 N103 = 1 or 9 N106 = 40 or 41	X(13)
9	Customer Name	Customer Name as it appears on the Customer's Bill	N102	N1: N101 = 8R	X(35) Note: X(60) for MD
10	Customer Name for Forwarding Address	Customer Name	N102	N1: N101 = FE	X(35)
11	Forwarding Address	Customer Forwarding Address	N301 & N302	N1: N101 = FE	X(55)
12	City	Customer Forwarding Address	N401	N1: N101 = FE	X(30)
13	State	Customer Forwarding Address	N402	N1: N101 = FE	X(2)
14	Zip Code	Customer Forwarding Address	N403	N1: N101 = FE	X(9)
15	Country Code	Customer Forwarding Mail Address	N404	N1: N101 = FE	X(3)
16	Customer Contact Name	Contact Name associated with the Customer Telephone Number	PER02	PER01= IC	X(60)
17	Customer Telephone Number	Contact Telephone Number for the customer	PER04	N1: N101 = FE PER01 = IC PER03 = TE	X(10)
18	Line Item Transaction Reference Number	Unique Tracking Number for each line item in this transaction. This number must be unique over time.	LIN01		X(20)

19	Generation Services Indicator or Renewable Energy Certificate Service	Indicates the transaction is related to: CE - Generation Services RC – Renewable Energy Certificate Service	LIN05 = CE or RC	LIN02 = SH LIN03 = EL LIN04 = SH	X(2)
20	Action Code	Used to indicate this is a drop transaction. On the request, this will be either "F" (permanent drop) or "A4" (temporary drop)	ASI01= Request: F (permanent) or A4 (temporary) Accept Response: WQ Reject Response: U	LIN: ASI02= 024	X(2)
Note that the following REF segments may appear in any order on the actual EDI transaction.					
21	Rejection Reason Code	Code explaining reason for rejection.	REF02	LIN: REF01= 7G	X(3)
22	Rejection Reason Text	Text explaining rejection.	REF03	LIN: REF01= 7G	X(80)
23	Status Reason Code	This is used to convey status reason codes on a request and Response to a Request.	REF02	LIN: REF01= 1P	X(3)
24	Status Reason Text	Text to provide status information.	REF03	LIN: REF01= 1P	X(80)
25	ESP Account Number	ESP Customer Account Number	REF02	LIN: REF01= 11	X(30)
26	LDC Account Number	LDC Customer Account Number	REF02	LIN: REF01= 12	X(30)
26.2	LDC Account Number - unmetered	LDC Customer Account Number – Unmetered	REF03	N1: N101 = 8R REF01 = 12 REF03 = U	X(80)
27	Old Account Number	Previous LDC Customer Account Number	REF02	LIN: REF01= 45	X(30)
28	Service Period End Date	Estimated date of termination of service	DTM02	DTM01= 151	9(8)

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:

PA Use:	Required
NJ Use:	Required
DE Use:	Required
MD Use:	Required
Example:	ST*814*000000001

Data Element Summary

	Ref.	Data	Name	X12 Attributes
	Des.	Element		
Must Use	ST01	143	Transaction Set Identifier Code Code uniquely identifying a Transaction Set 814 General Request, Response or Confirmation	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: **BGN** Beginning Segment
Position: 020
Loop:
Level: Heading
Usage: Mandatory
Max Use: 1
Purpose: To indicate the beginning of a transaction set
Syntax Notes: 1 If BGN05 is present, then BGN04 is required.
Semantic Notes: 1 BGN02 is the transaction set reference number.
 2 BGN03 is the transaction set date.
 3 BGN04 is the transaction set time.
 4 BGN05 is the transaction set time qualifier.
 5 BGN06 is the transaction set reference number of a previously sent transaction affected by the current transaction.

Comments:

PA Use:	Required
NJ Use:	Required
DE Use:	Required
MD Use:	Required
Request Example:	BGN*13*199904011956531*19990401 (Note: BGN06 not used in the request.)
Response Example:	BGN*11*199904020830531*19990402***199904011956531 (Note: BGN06 is optional on the response.)

Data Element Summary

	<u>Ref.</u> <u>Des.</u>	<u>Data</u> <u>Element</u>	<u>Name</u>	<u>X12 Attributes</u>
Must Use	BGN01	353	Transaction Set Purpose Code Code identifying purpose of transaction set 11 Response Signifies that the requested service will be addressed as described in this transaction. 13 Request	M ID 2/2
Must Use	BGN02	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 must be unique over time.	M AN 1/30
Must Use	BGN03	373	Date Date (CCYYMMDD) The transaction creation date – the date that the data was processed by the sender’s application system.	M DT 8/8
Optional	BGN06	127	Reference Identification Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier If used, refers to the BGN02 identification number of the original Request. Not used on the request. Optional on the response.	O AN 1/30

Segment: **N1** Name (8S=LDC Name)
Position: 040
Loop: N1
Level: Heading
Usage: Optional
Max Use: 1
Purpose: To identify a party by type of organization, name, and code
Syntax Notes: 1 At least one of N102 or N103 is required.
 2 If either N103 or N104 is present, then the other is required.
Semantic Notes:
Comments: 1 This segment, used alone, provides the most efficient method of providing organizational identification. To obtain this efficiency the "ID Code" (N104) must provide a key to the table maintained by the transaction processing party.
 2 N105 and N106 further define the type of entity in N101.

PA Use:	Request: Required Accept Response: Required Reject Response: Required for response if provided in the request.
NJ Use:	Same as PA
DE Use:	Same as PA
MD Use:	Same as PA
Examples:	N1*8S*LDC COMPANY*1*007909411**40 (as Receiver) N1*8S*LDC COMPANY*1*007909411**41 (as Sender)

Data Element Summary

	Ref. Des.	Data Element	Name	X12 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) LDC	M ID 2/3
Must Use	N102	93	Name Free-form name LDC Company Name	X AN 1/60
Must Use	N103	66	Identification Code Qualifier Code designating the system/method of code structure used for Identification Code (67) 1 D-U-N-S Number, Dun & Bradstreet 9 D-U-N-S+4, D-U-N-S Number with Four Character Suffix	X ID 1/2
Must Use	N104	67	Identification Code Code identifying a party or other code LDC D-U-N-S Number or D-U-N-S + 4 Number	X AN 2/80
Must Use	N106	98	Entity Identifier Code Code identifying an organizational entity, a physical location, property or an individual. Used in addition to the N103 and N104 to identify the transaction sender and receiver when more than two parties are identified by N1 loops. 40 Receiver Entity to accept transmission 41 Submitter Entity transmitting transaction set	O ID 2/3

Segment: **N1** Name (SJ=ESP Name)
Position: 040
Loop: N1
Level: Heading
Usage: Optional
Max Use: 1
Purpose: To identify a party by type of organization, name, and code
Syntax Notes: 1 At least one of N102 or N103 is required.
 2 If either N103 or N104 is present, then the other is required.
Semantic Notes:
Comments: 1 This segment, used alone, provides the most efficient method of providing organizational identification. To obtain this efficiency the "ID Code" (N104) must provide a key to the table maintained by the transaction processing party.
 2 N105 and N106 further define the type of entity in N101.

PA Use:	Request: Required Accept Response: Required Reject Response: Required for response if provided in the request.
NJ Use:	Same as PA
DE Use:	Same as PA
MD Use:	Same as PA
Examples:	N1*SJ*ESP COMPANY*9*007909422ESP1**41 (as Sender) N1*SJ*ESP COMPANY*9*007909422ESP1**40 (as Receiver)

Data Element Summary

	Ref. Des.	Data Element	Name	X12 Attributes
Must Use	N101	98	Entity Identifier Code Code identifying an organizational entity, a physical location, property or an individual SJ Service Provider ESP	M ID 2/3
Must Use	N102	93	Name Free-form name ESP Company Name	X AN 1/60
Must Use	N103	66	Identification Code Qualifier Code designating the system/method of code structure used for Identification Code (67) 1 D-U-N-S Number, Dun & Bradstreet 9 D-U-N-S+4, D-U-N-S Number with Four Character Suffix	X ID 1/2
Must Use	N104	67	Identification Code Code identifying a party or other code ESP D-U-N-S Number or D-U-N-S + 4 Number	X AN 2/80
Must Use	N106	98	Entity Identifier Code Code identifying an organizational entity, a physical location, property or an individual. Used in addition to the N103 and N104 to identify the transaction sender and receiver when more than two parties are identified by N1 loops. 40 Receiver Entity to accept transmission 41 Submitter Entity transmitting transaction set	O ID 2/3

Segment: **N1** Name (G7=Renewable Energy Provider Name)
Position: 040
Loop: N1
Level: Heading
Usage: Optional
Max Use: 1
Purpose: To identify a party by type of organization, name, and code
Syntax Notes: 1 At least one of N102 or N103 is required.
 2 If either N103 or N104 is present, then the other is required.
Semantic Notes:
Comments: 1 This segment, used alone, provides the most efficient method of providing organizational identification. To obtain this efficiency the "ID Code" (N104) must provide a key to the table maintained by the transaction processing party.
 2 N105 and N106 further define the type of entity in N101.

PA Use:	Not used
NJ Use:	Required
DE Use:	Not used
MD Use:	Not used
Example:	N1*G7*RENEWABLE COMPANY*9*007909422GPM

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 G7 Entity Providing the Service Renewable Energy Provider	M ID 2/3
Must Use	N102	93	Name Free-form name Renewable Energy Provider Company Name	X AN 1/60
Must Use	N103	66	Identification Code Qualifier Code designating the system/method of code structure used for Identification Code (67) 1 D-U-N-S Number, Dun & Bradstreet 9 D-U-N-S+4, D-U-N-S Number with Four Character Suffix	X ID 1/2
Must Use	N104	67	Identification Code Code identifying a party or other code Renewable Energy Provider D-U-N-S Number or D-U-N-S + 4 Number	X AN 2/20
Must Use	N106	98	Entity Identifier Code Code identifying an organizational entity, a physical location, property or an individual. Used in addition to the N103 and N104 to identify the transaction sender and receiver when more than two parties are identified by N1 loops. 40 Receiver Entity to accept transmission 41 Submitter Entity transmitting transaction set	O ID 2/3

Segment: **N1** Name (8R=Customer Name)
Position: 040
Loop: N1
Level: Heading
Usage: Optional
Max Use: 1
Purpose: To identify a party by type of organization, name, and code
Syntax Notes: 1 At least one of N102 or N103 is required.
 2 If either N103 or N104 is present, then the other is required.
Semantic Notes:
Comments: 1 This segment, used alone, provides the most efficient method of providing organizational identification. To obtain this efficiency the "ID Code" (N104) must provide a key to the table maintained by the transaction processing party.
 2 N105 and N106 further define the type of entity in N101.

PA Use:	Request: Required Accept Response: Required Reject Response: Required for response if provided in the request.
NJ Use:	Same as PA
DE Use:	Same as PA
MD Use:	Same as PA
Example:	N1*8R*CUSTOMER NAME

Data Element Summary

	Ref. Des.	Data Element	Name	X12 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 Used to identify the customer associated with the LDC service account	M ID 2/3
Must Use	N102	93	Name Free-form name Customer Name as it appears on the customer's bill	X AN 1/60

Segment: **N1** Name (FE=Forwarding Address)
Position: 040
Loop: N1
Level: Heading
Usage: Optional
Max Use: 1
Purpose: To identify a party by type of organization, name, and code
Syntax Notes: 1 At least one of N102 or N103 is required.
 2 If either N103 or N104 is present, then the other is required.
Semantic Notes:
Comments: 1 This segment, used alone, provides the most efficient method of providing organizational identification. To obtain this efficiency the "ID Code" (N104) must provide a key to the table maintained by the transaction processing party.
 2 N105 and N106 further define the type of entity in N101.

PA Use:	LDC Initiated Drop Request:	Required if customer moved and has provided a forwarding address.
	ESP Accept Response for LDC Init Drop:	Not Used
	ESP Initiated Drop Request:	Not Used
	LDC Accept Response for ESP Init. Drop:	Optional if customer moved and has provided a forwarding address.
	ALL Reject Responses:	Not Used
NJ Use:	LDC Initiated Drop Request:	Optional if customer moved and has provided a forwarding address.
	ESP Accept Response for LDC Init Drop:	Not Used
	ESP Initiated Drop Request:	Not Used
	LDC Accept Response for ESP Init. Drop:	Optional if customer moved and has provided a forwarding address.
	ALL Reject Responses:	Not Used
	Note:	Atlantic City Electric, JCP&L – store data and will provide it PSE&G – Cannot provide this information
DE Use:	Same as NJ	
MD Use:	Same as NJ	
Example:	N1*FE*CUSTOMER NAME	

Data Element Summary

Ref. Des.	Data Element	Name	X12 Attributes
Must Use	N101	98 Entity Identifier Code	M ID 2/3
		Code identifying an organizational entity, a physical location, property or an individual	
		FE Mail Address	
		Used to identify the forwarding address for the customer.	
Must Use	N102	93 Name	X AN 1/60
		Free-form name	

Segment: N3 Address Information (Forwarding Address)
Position: 060
Loop: N1
Level: Heading
Usage: Optional
Max Use: 2
Purpose: To specify the location of the named party
Syntax Notes:
Semantic Notes:
Comments:

PA Use:	LDC Initiated Drop Request:	Required if customer moved and has provided a forwarding address.
	ESP Accept Response for LDC Init Drop:	Not Used
	ESP Initiated Drop Request:	Not Used
	LDC Accept Response for ESP Init. Drop:	Optional if customer moved and has provided a forwarding address.
	ALL Reject Responses:	Not Used
NJ Use:	LDC Initiated Drop Request:	Optional if customer moved and has provided a forwarding address.
	ESP Accept Response for LDC Init Drop:	Not Used
	ESP Initiated Drop Request:	Not Used
	LDC Accept Response for ESP Init. Drop:	Optional if customer moved and has provided a forwarding address.
	ALL Reject Responses:	Not Used
	Note:	Atlantic City Electric, JCP&L – store data and will provide it PSE&G – Cannot provide this information
DE Use:	Same as NJ	
MD Use:	Same as NJ	
Example:	N3*4251 S ELECTRIC ST*MS 25	

Data Element Summary

	<u>Ref. Des.</u>	<u>Data Element</u>	<u>Name</u>	<u>X12 Attributes</u>
Must Use	N301	166	Address Information Address information	M AN 1/55
Optional	N302	166	Address Information Address information	O AN 1/55

Segment: **N4 Geographic Location (Forwarding Address)**
Position: 070
Loop: N1
Level: Heading
Usage: Optional
Max Use: 1
Purpose: To specify the geographic place of the named party
Syntax Notes: 1 If N406 is present, then N405 is required.
Semantic Notes:
Comments: 1 A combination of either N401 through N404, or N405 and N406 may be adequate to specify a location.
 2 N402 is required only if city name (N401) is in the U.S. or Canada.

PA Use:	LDC Initiated Drop Request:	Required if customer moved and has provided a forwarding address.
	ESP Accept Response for LDC Init Drop:	Not Used
	ESP Initiated Drop Request:	Not Used
	LDC Accept Response for ESP Init. Drop:	Optional if customer moved and has provided a forwarding address.
	ALL Reject Responses:	Not Used
NJ Use:	LDC Initiated Drop Request:	Optional if customer moved and has provided a forwarding address.
	ESP Accept Response for LDC Init Drop:	Not Used
	ESP Initiated Drop Request:	Not Used
	LDC Accept Response for ESP Init. Drop:	Optional if customer moved and has provided a forwarding address.
	ALL Reject Responses:	Not Used
	Note:	Atlantic City Electric, JCP&L – store data and will provide it PSE&G – Cannot provide this information
DE Use:	Same as NJ	
MD Use:	Same as NJ	
Examples:	N4*ANYTOWN*PA*18111 N4*ANYTOWN*PA*181110001*US	

Data Element Summary

	Ref.	Data	X12 Attributes
	Des.	Element Name	
Must Use	N401	19 City Name	O AN 2/30
		Free-form text for city name	
Must Use	N402	156 State or Province Code	O ID 2/2
		Code (Standard State/Province) as defined by appropriate government agency	
Must Use	N403	116 Postal Code	O ID 3/15
		Code defining international postal zone code excluding punctuation and blanks (zip code for United States)	
Optional	N404	26 Country Code	O ID 2/3
		Code identifying the country	

Segment: **PER** Administrative Communications Contact (Forwarding Address)
Position: 080
Loop: N1
Level: Heading
Usage: Optional
Max Use: >1
Purpose: To identify a person or office to whom administrative communications should be directed
Syntax Notes:

- 1 If either PER03 or PER04 is present, then the other is required.
- 2 If either PER05 or PER06 is present, then the other is required.
- 3 If either PER07 or PER08 is present, then the other is required.

Semantic Notes:
Comments:

PA Use:	LDC Initiated Drop Request:	Required if customer moved and has provided a forwarding address.
	ESP Accept Response for LDC Init Drop:	Not Used
	ESP Initiated Drop Request:	Not Used
	LDC Accept Response for ESP Init. Drop:	Optional if customer moved and has provided a forwarding address.
	ALL Reject Responses:	Not Used
NJ Use:	LDC Initiated Drop Request:	Optional if customer moved and has provided a forwarding address.
	ESP Accept Response for LDC Init Drop:	Not Used
	ESP Initiated Drop Request:	Not Used
	LDC Accept Response for ESP Init. Drop:	Optional if customer moved and has provided a forwarding address.
	ALL Reject Responses:	Not Used
	Note:	Atlantic City Electric, JCP&L – store data and will provide it PSE&G – Cannot provide this information
DE Use:	Same as NJ	
MD Use:	Same as NJ	
Example:	PER*IC*CUSTOMER NAME*TE*8005551212 PER*IC*CUSTOMER NAME*TE*8005551212*FX*8005552121*EM*CUSTOMER@SER.COM	

Data Element Summary

	Ref. Des.	Data Element	Name	X12 Attributes
Must Use	PER01	366	Contact Function Code Code identifying the major duty or responsibility of the person or group named IC Information Contact	M ID 2/2
Optional	PER02	93	Name Free-form name	O AN 1/60
Must Use	PER03	365	Communication Number Qualifier Code identifying the type of communication number EM Electronic Mail FX Facsimile TE Telephone	X ID 2/2
Must Use	PER04	364	Communication Number Complete communications number including country or area code when applicable	X AN 1/80
Optional	PER05	365	Communication Number Qualifier Code identifying the type of communication number EM Electronic Mail FX Facsimile	X ID 2/2

Optional	PER06	364	TE Telephone Communication Number	X	AN 1/80
			Complete communications number including country or area code when applicable		
Optional	PER07	365	Communication Number Qualifier	X	ID 2/2
			Code identifying the type of communication number		
			EM Electronic Mail		
			FX Facsimile		
			TE Telephone		
Optional	PER08	364	Communication Number	X	AN 1/80
			Complete communications number including country or area code when applicable		

Segment: **LIN** Item Identification
Position: 010
Loop: LIN
Level: Detail
Usage: Optional
Max Use: 1
Purpose: To specify basic item identification data
Syntax Notes:

- 1 If either LIN04 or LIN05 is present, then the other is required.
- 2 If either LIN06 or LIN07 is present, then the other is required.
- 3 If either LIN08 or LIN09 is present, then the other is required.
- 4 If either LIN10 or LIN11 is present, then the other is required.
- 5 If either LIN12 or LIN13 is present, then the other is required.
- 6 If either LIN14 or LIN15 is present, then the other is required.
- 7 If either LIN16 or LIN17 is present, then the other is required.
- 8 If either LIN18 or LIN19 is present, then the other is required.
- 9 If either LIN20 or LIN21 is present, then the other is required.
- 10 If either LIN22 or LIN23 is present, then the other is required.
- 11 If either LIN24 or LIN25 is present, then the other is required.
- 12 If either LIN26 or LIN27 is present, then the other is required.
- 13 If either LIN28 or LIN29 is present, then the other is required.
- 14 If either LIN30 or LIN31 is present, then the other is required.

Semantic Notes:

- 1 LIN01 is the line item identification

Comments:

- 1 See the Data Dictionary for a complete list of IDs.
- 2 LIN02 through LIN31 provide for fifteen different product/service IDs for each item.
For example: Case, Color, Drawing No., U.P.C. No., ISBN No., Model No., or SKU.

Notes:	The 3070 version of the 814 guideline allowed all services to be transmitted in one LIN segment. This was difficult to process and track. Version 4010 restricts the use of LIN03 to identify the product (electric vs. gas) and LIN05 to identify the service being requested. For example, <i>LIN*I*SH*EL*SH*CE</i> indicates that the product is electric and 'generation services' is the service being requested. Multiple LINs may be sent to request multiple services for one account. Other examples: LIN*1*SH*EL*SH*HU\ requests historical usage of electric service LIN*1*SH*GAS*SH*MI\ requests meter information on the gas service
PA Use:	Request: Required Accept Response: Required Reject Response: Required if it was provided on the request.
NJ Use:	Same as PA
DE Use:	Same as PA
MD Use:	Same as PA
Examples:	LIN*DROPP1999012000000001*SH*EL*SH*CE

Data Element Summary

	Ref. Des.	Data Element	Name	X12 Attributes
Must Use	LIN01	350	Assigned Identification Alphanumeric characters assigned for differentiation within a transaction set On the request, this is a unique tracking number for each line item (LIN) in this transaction. This number must be unique over time. This number must be returned on the response transaction in the same element. This tracking number was provided in REF*TN in Version 3070.	O AN 1/20
Must Use	LIN02	235	Product/Service ID Qualifier Code identifying the type/source of the descriptive number used in Product/Service ID (234) SH Service Requested	M ID 2/2
Must Use	LIN03	234	Product/Service ID Identifying number for a product or service	M AN 1/48

			EL	Electric Service	
				Identifies the product	
Must Use	LIN04	235	Product/Service ID Qualifier		M ID 2/2
				Code identifying the type/source of the descriptive number used in Product/Service ID (234)	
			SH	Service Requested	
Must Use	LIN05	234	Product/Service ID		M AN 1/48
				Identifying number for a product or service	
			CE	Generation Services	
				Indicates this transaction is related to Generation Services.	
			RC	Renewable Energy Certificate Services	
				Indicates this transaction is related to Renewable Energy Certificate Services	

Segment: **ASI** Action or Status Indicator
Position: 020
Loop: LIN
Level: Detail
Usage: Optional
Max Use: 1
Purpose: To indicate the action to be taken with the information provided or the status of the entity described

Syntax Notes:
Semantic Notes:
Comments:

Notes:	Identifies the action to be taken or the status of a requested action for the service identified in the LIN segment. Reason Codes are conveyed in the REF segment (position 030) rather than in the ASI03, to allow for multiple reasons. Note: All ESP initiated drops should be coded as Final (ASI01=F).	
PA Use:	Request:	Required
	Accept Response:	Required
	Reject Response:	Required
NJ Use:	Same as PA	
DE Use:	Same as PA	
MD Use:	Same as PA	
Request Example:	ASI*F*024	
Response Examples:	ASI*WQ*024	Accept Response
	ASI*U*024	Reject Response

Data Element Summary

	<u>Ref. Des.</u>	<u>Data Element</u>	<u>Name</u>	<u>X12 Attributes</u>
Must Use	ASI01	306	Action Code	M ID 1/2
			Code indicating type of action	
			A4	Pended Used to request a temporary drop Note: Will not be used in New Jersey
			F	Final
			U	Reject
			WQ	Accept
Must Use	ASI02	875	Maintenance Type Code	M ID 3/3
			Code identifying the specific type of item maintenance	
			024	Cancellation or Termination Drop

Segment: **REF** Reference Identification (7G=Rejection Status)
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:	This iteration of the REF segment is used to convey the rejection reason codes in response to a Request. The rejection reason codes are conveyed in this segment rather than in the ASI03 to allow for multiple rejection reasons. Note: Regardless of whether the ESP accepts or rejects a Drop Request from an LDC, the LDC will drop the customer. The LDC is responsible for reviewing rejection reasons and resolving them with the ESP, either by a resend of the drop transaction or by mutual agreement.		
PA Use:	Request:	Not Used	
	Accept Response:	Not Used	
	Reject Response:	Required	
NJ Use:	Same as PA		
DE Use:	Same as PA		
MD Use:	Same as PA		
Example:	REF*7G*A13*ADDITIONAL REASON TEXT HERE		

Data Element Summary

Ref.	Data	Name	X12 Attributes
<u>Des.</u>	<u>Element</u>		
Must Use	REF01	128 Reference Identification Qualifier	M ID 2/3
		Code qualifying the Reference Identification	
		7G Data Quality Reject Reason	
		Reject reasons associated with a reject status notification.	

Rules for Rejection Reason Codes

The codes on the next several pages have been identified by the UIG to convey rejection reasons. Only the codes listed for each service are valid for that service. If you require additional codes, send an email to the appropriate state's listserver.

“A13” (Other) must **only** be used when an existing error code does not convey the reason correctly. Each time “A13” (Other) is used for a new purpose, an E-mail must be sent to the appropriate state's listserver by the party sending the code, to notify the market participants about the text explanation for A13. This information will be compiled and new codes will be issued on a periodic basis.

PA Listserver: edewg@ls.eei.org
 NJ Listserver: njbpu@ls.eei.org

Please note that the Status Reason Codes are only valid in certain directions as noted to the left of each code.

Reason For Rejection Codes – Required on a **Rejection Drop** Response Transaction:

Note: Rejection reason codes for Renewable Energy Provider are the same as ESP, unless specified below.

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

<u>ESP Drop</u> Response to LDC	<u>LDC Drop</u> Response to ESP		
	X	008	Account exists but is not active
X	X	A13	Other (Explanation Required in REF03)
X	X	A76	Account Not Found
			This includes invalid account numbers as well as no account number being found.
	X	A84	Invalid Relationship (not ESP of record)
	X	A91	Service is not offered at customer's location
			For instance, used to indicate that this is a gas only account, no electric service exists on the account.
X	X	ABN	Duplicate Request Received
X	X	ACI	Action Code (ASI01) invalid
X	X	API	Required information missing (REF03 Required)
X	X	B14	Reason for termination was required, or invalid code sent
X		DIV	Date Invalid
	X	MAX	Maximum number of Enrollments/Drops reached
			Valid in MD: Used when the maximum threshold of enrollments/drops have been submitted for the customer during the current bill cycle.
X	X	MTI	Maintenance Type Code (ASI02) invalid
	X	UND	Cannot identify ESP
X		UNE	Cannot identify LDC

Optional **REF03** **352** **Description** **X** **AN 1/80**
A free-form description to clarify the related data elements and their content
Used to further describe the rejection reason code sent in REF02. Code "A13" requires text explanation in this element.

Segment: **REF** Reference Identification (1P=Status Reason)
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:	This iteration of the REF segment is used primarily to convey status reason codes on a request, and also in response to a Request. The status reason codes are conveyed in this segment rather than in the ASI03 to allow for multiple status reasons.
PA Use:	Request: Required Accept Response: Required when status information must be conveyed. Reject Response: Required when status information must be conveyed. Note:
NJ Use:	Same as PA
DE Use:	Same as PA
MD Use:	Same as PA
Example:	REF*1P*A13*ADDITIONAL REASON TEXT HERE

Data Element Summary

Ref. Des.	Data Element	Name	X12 Attributes
Must Use REF01	128	Reference Identification Qualifier	M ID 2/3
		Code qualifying the Reference Identification	
		1P	Accessorial Status Code
			Used in the instance where the 814 Request is accepted, but additional status information must be provided; e.g. code W09, special off-cycle meter read cannot be performed.
			This is a required field on a Drop request.

Rules for Status Reason Codes

The codes on the next several pages have been identified by the UIG to convey status reasons. Only the codes listed for each service are valid for that service. If you require additional codes, send an email to the appropriate state’s listserver.

“A13” (Other) must **only** be used when an existing error code does not convey the reason correctly. Each time “A13” (Other) is used for a new purpose, an E-mail must be sent to the appropriate state’s listserver by the party sending the code, to notify the market participants about the text explanation for A13. This information will be compiled and new codes will be issued on a periodic basis.

PA Listserver: edewg@ls.eei.org

NJ Listserver: njbpu@ls.eei.org

Please note that the Status Reason Codes are only valid in certain directions as noted to the left of each code.

Reason For Drop Codes – Required on the Drop Request Transaction:

Note: Reason for Drop codes for Renewable Energy Provider are the same as ESP, unless specified below.

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

<u>LDC Drop Request to ESP</u>	<u>ESP Drop Request to LDC</u>		
X	X	007	Service terminated or customer dropped because of nonpayment
X		020	Customer moved or account closed
X	X	A13	Other
			Explanation Required in REF03
X	X	B38	Dropped by Customer Request
			Customer was terminated by the Service Provider for reasons other than nonpayment
	X	CCE	Contract Expired
X		CHA	Customer changed to another Service Provider
X		C02	Customer is on Credit Hold
			Only valid in NJ Renewable Energy Provider program
X		C03	Customer Enrolled in USF
			NJ - Only valid in NJ Renewable Energy Provider program
X	X	EB3	Withdrawn
			Customer rescinded enrollment request within rescission period. ESP to LDC valid only in MD
	X	B42	Alleged Slam
X		ICW	Instant Connect Withdrawn
			PA Use Only
X		NLI	Not Last In
			PA Use Only
X		SMW	Seamless Move Withdrawn
			PA Use Only

Status Reason Codes – Use as appropriate on the **Drop Response** Transaction. This is used when transaction accepted, but there is additional information to be conveyed to the other party.

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

<u>ESP Drop</u>	<u>LDC Drop</u>		
<u>Response to LDC</u>	<u>Response to ESP</u>		
X	X	A13	Other
			Explanation Required in REF03
X	X	B39	Already Dropped

Conditional **REF03** **352** **Description** **X** **AN 1/80**

A free-form description to clarify the related data elements and their content
 Used to further describe the status reason code sent in REF02. Code “A13” requires text explanation in this element.

Segment: **REF** Reference Identification (11=ESP Account Number)
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:	Must exclude punctuation (spaces, dashed, etc). Significant leading and trailing zeros must be included.	
PA Use:	LDC Initiated Drop:	Required if it was previously provided to the LDC
	ESP Accept Response for LDC Init Drop:	Required if it was provided on the request
	ESP Initiated Drop:	Required if it was previously provided to the LDC
	LDC Accept Response for ESP Init. Drop:	Required if it was provided on the request
	ALL Reject Responses:	Required if it was provided on the request
NJ Use:	Note: In New Jersey, Atlantic City Electric, JCP&L and PSE&G will store ESP account number and will be required to send it if it was previously provided to the LDC.	
DE Use:	Delmarva will store ESP account number and will be required to send it if it was previously provided to the LDC.	
MD Use:	Same as PA	
Example:	REF*11*2348400586	

Data Element Summary

	<u>Ref. Des.</u>	<u>Data Element</u>	<u>Name</u>	<u>X12 Attributes</u>
Must Use	REF01	128	Reference Identification Qualifier Code qualifying the Reference Identification 11 Account Number ESP-assigned account number for end use customer.	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	X AN 1/30

Segment: **REF** Reference Identification (12=LDC Account Number)
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:

PA Use:	Must be identical to account number as it appears on the customer's bill, excluding punctuation (spaces, dashes, etc.). Significant leading and trailing zeros must be included. Request: Required Accept Response: Required Reject Response: Required – when the rejection reason is due to an LDC account number not being provided in the request, this segment must not be sent on the response.
NJ Use:	Same as PA
DE Use:	Same as PA
MD Use:	Same as PA
Example:	REF*12*2931839200

Data Element Summary

	Ref. Des.	Data Element	Name	X12 Attributes
Must Use	REF01	128	Reference Identification Qualifier Code qualifying the Reference Identification 12 Billing Account LDC-assigned account number for end use customer.	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	X AN 1/30
Optional	REF03	352	Description A free-form description to clarify the related data elements and their content U Unmetered	X AN 1/80

Segment: **REF** Reference Identification (45=LDC Old Account Number)
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:

PA Use:	LDC Initiated Drop: Required if account number changed in the last 60 days ESP Accept Response for LDC Init Drop: Not Used
	ESP Initiated Drop: Not Used LDC Accept Response for ESP Init. Drop: Required if account number changed in the last 60 days
	ALL Reject Responses: Not Used
NJ Use:	Same as PA
DE Use:	Not used
MD Use:	Not Used by BGE, PEPCO, or Delmarva. PE: Required if the account number has changed in the last 60 days.
Example:	REF*45*1105687500

Data Element Summary

	Ref. Des.	Data Element	Name	X12 Attributes
Must Use	REF01	128	Reference Identification Qualifier Code qualifying the Reference Identification 45 Old Account Number LDC's previous account number for the end use customer.	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	X AN 1/30

Segment: **DTM** Date/Time Reference (151=Service End Date)
Position: 040
Loop: LIN
Level: Detail
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:

PA Use:	LDC Initiated Drop:	Required
	ESP Accept Response for LDC Init Drop:	Not Used
	ESP Initiated Drop:	Not Used
	LDC Accept Response for ESP Init Drop:	Required
	ALL Reject Responses:	Not Used
NJ Use:	Same as PA	
DE Use:	Same as PA	
MD Use:	Same as PA	
Example:	DTM*151*19990115	

Data Element Summary

	Ref. Des.	Data Element	Name	X12 Attributes
Must Use	DTM01	374	Date/Time Qualifier	M ID 3/3
			Code specifying type of date or time, or both date and time	
			151 Service Period End	
			Estimated date that the service with the ESP will end.	
Must Use	DTM02	373	Date	X DT 8/8
			Date expressed as CCYYMMDD	

Segment: **SE** Transaction Set Trailer
Position: 150
Loop:
Level: Detail
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.

PA Use:	Required
NJ Use:	Required
DE Use:	Required
MD Use:	Required
Example:	SE*28*00000001

Data Element Summary

	Ref.	Data		X12 Attributes
	Des.	Element	Name	
Must Use	SE01	96	Number of Included Segments	M NO 1/10
			Total number of segments included in a transaction set including ST and SE segments	
Must Use	SE02	329	Transaction Set Control Number	M AN 4/9
			Identifying control number that must be unique within the transaction set functional group assigned by the originator for a transaction set	

814 Drop Examples

Example: Drop Request LDC to ESP

BGN*13*19990401195653001*19990401	BGN segment indicating this is a Request transaction
N1*8S*LDC COMPANY*1*007909411**41	LDC Name and DUNS information
N1*SJ*ESP COMPANY*9*007909422ESP1**40	ESP Name and DUNS information
N1*8R*CUSTOMER NAME	Customer Name
N1*FE*CUSTOMER NAME	Forwarding address for customer who moved
N3*4251 S ELECTRIC STREET*MS 25	Forwarding address for customer who moved
N4*ANYTOWN*PA*18111	Forwarding address for customer who moved
PER*IC**TE*8005551212	Forwarding telephone number for customer who moved
LIN*DROP1999040100000001*SH*EL*SH*CE	Transaction reference number, indication that the transaction is for Electric Generation Services
ASI*F*024	Request for Final Drop
REF*1P*020*CUSTOMER MOVED	Reason for drop is that the customer moved
REF*11*2348400586	ESP Account Number
REF*12*293839200	LDC Account Number
REF*45*3959028538	Old LDC Account Number
DTM*151*19990415	Estimated drop date is 4/15/99

Example: Accept Drop Response ESP to LDC

BGN*11*1999040208000001*19990402***19990401195653001	BGN segment indicating this is a Response transaction
N1*8S*LDC COMPANY*1*007909411**40	LDC Name and DUNS information
N1*SJ*ESP COMPANY*9*007909422ESP1**41	ESP Name and DUNS information
N1*8R*CUSTOMER NAME	Customer Name
LIN*DROP1999040100000001*SH*EL*SH*CE	Transaction reference number, indication that the transaction is for Electric Generation Services
ASI*WQ*024	Indicates the drop was accepted
REF*11*2348400586	ESP Account Number
REF*12*293839200	LDC Account Number

Example: Reject Drop Response ESP to LDC

BGN*11*1999040208000001*19990402***19990401195653001	BGN segment indicating this is a Response transaction
N1*8S*LDC COMPANY*1*007909411**40	LDC Name and DUNS information
N1*SJ*ESP COMPANY*9*007909422ESP1**41	ESP Name and DUNS information
N1*8R*CUSTOMER NAME	Customer Name
LIN*DROP1999040100000001*SH*EL*SH*CE	Transaction reference number, indication that the transaction is for Electric Generation Services
ASI*U*024	Indicates the drop was rejected
REF*7G*A76*ACCOUNT NOT FOUND	Rejection Reason
REF*11*2348400586	ESP Account Number
REF*12*293839200	LDC Account Number

Example: **Drop Request ESP to LDC**

BGN*13*19990401195653001*19990401	BGN segment indicating this is a Request transaction
N1*8S*LDC COMPANY*1*007909411**40	LDC Name and DUNS information
N1*SJ*ESP COMPANY*9*007909422ESP1**41	ESP Name and DUNS information
N1*8R*CUSTOMER NAME	Customer Name
LIN*DROP1999040100000001*SH*EL*SH*CE	Transaction reference number, indication that the transaction is for Electric Generation Services
ASI*F*024	Request for Final Drop
REF*1P*CCE*CONTRACT EXPIRED	Customer Contract with ESP Expired
REF*11*2348400586	ESP Account Number
REF*12*293839200	LDC Account Number

Example: **Accept Drop Response LDC to ESP**

BGN*11*1999040208000001*19990402***19990401195653001	BGN segment indicating this is a Response transaction
N1*8S*LDC COMPANY*1*007909411**41	LDC Name and DUNS information
N1*SJ*ESP COMPANY*9*007909422ESP1**40	ESP Name and DUNS information
N1*8R*CUSTOMER NAME	Customer Name
LIN*DROP1999040100000001*SH*EL*SH*CE	Transaction reference number, indication that the transaction is for Electric Generation Services
ASI*WQ*024	Indicates the drop was accepted
REF*11*2348400586	ESP Account Number
REF*12*293839200	LDC Account Number
REF*45*3959028538	Old LDC Account Number
DTM*151*19990415	Estimated drop date is 4/15/99

Example: **Reject Drop Response LDC to ESP**

BGN*11*1999040208000001*19990402***19990401195653001	BGN segment indicating this is a Response transaction
N1*8S*LDC COMPANY*1*007909411**41	LDC Name and DUNS information
N1*SJ*ESP COMPANY*9*007909422ESP1**40	ESP Name and DUNS information
N1*8R*CUSTOMER NAME	Customer Name
LIN*DROP1999040100000001*SH*EL*SH*CE	Transaction reference number, indication that the transaction is for Electric Generation Services
ASI*U*024	Indicates the drop was rejected
REF*7G*A76*ACCOUNT NOT FOUND	Rejection Reason
REF*11*2348400586	ESP Account Number
REF*12*293839200	LDC Account Number

Example: Drop Request Renewable Energy Provider to LDC

This example only shows the first few segments to show N1*G7 segment LIN05 value of “RC” used by Renewable Energy Provider. Remaining segments would be identical to those used for an ESP transaction.

BGN*13*19990401195653001*19990401	BGN segment indicating this is a Request transaction
N1*8S*LDC COMPANY*1*007909411**40	LDC Name and DUNS information
N1*G7*RENEWABLE CO*9*007909422GPM1**41	Renewable Energy Provider Name and DUNS information
N1*8R*CUSTOMER NAME	Customer Name
LIN*DROP1999040100000001*SH*EL*SH*RC	Transaction reference number, indication that the transaction is for Renewable Energy Services
ASI*F*024	Request for Final Drop
REF*1P*CCE*CONTRACT EXPIRED	Customer Contract with ESP Expired
REF*11*2348400586	Renewable Energy Provider Account Number
REF*12*293839200	LDC Account Number

Example: Drop Request ESP to LDC – Reverse Enrollment (Rescind)

BGN*13*20090401195653001*20090401	BGN segment indicating this is a Request transaction
N1*8S*LDC COMPANY*1*007909411**40	LDC Name and DUNS information
N1*SJ*ESP COMPANY*9*007909422ESP1**41	ESP Name and DUNS information
N1*8R*CUSTOMER NAME	Customer Name
LIN*DROP20090401000000X1*SH*EL*SH*CE	Transaction reference number, indication that the transaction is for Electric Generation Services
ASI*F*024	Request for Final Drop
REF*1P*EB3*REVERSE ENROLLMENT	Drop enrollment
REF*11*2348400586	ESP Account Number
REF*12*293839200	LDC Account Number