Pennsylvania
New Jersey
Delaware
Maryland

Implementation Guideline

For

Electronic Data Interchange

TRANSACTION SET

810

LDC Consolidated Bill

Ver/Rel 004010

Table of Contents

Summary of Changes

July 14, 1999 Version 1.0	Initial Release. Changes since the last draft: • Inserted paragraph for Rate Ready Single IT1 Loop in the Notes section
November 4, 1999 Version 1.2	This is a FINAL version for Pennsylvania and New Jersey
November, 1999 Version 1.2MD1	• Added Changes for Maryland • Added Table of Contents • Added Data Dictionary
December 23, 1999 Version 1.2MD2	• Continued working on Updating MD Section **Note:** This is not completed. And the MD Notes section still needs to be created.
April 7, 2000 Version 1.2MD3	• Update Maryland Notes section • Incorporate PA Change Control #10 (PA Rate Ready Practices – late payment charge and adjustments) • Added Environmental, Franchise, and City tax values • Clarified use of old account number (REF*45) in Maryland
April 24, 2000 Version 1.2MD4	• Added additional points to MD Notes section • Clarified use of NTE/PID segments for MD • Clarified use of IT1 loops for MD
May 12, 2000 Version 1.2MD5	• Added additional points to MD Notes section
May 17, 2000 Version 1.2MD6	• Incorporated MD Change Control M001 – remove following taxes from 810 – Environmental (EV), Franchise (FR), and City (CA)
July 24, 2000 Version 1.2MD7	• Incorporate comments from review of document
August 14, 2000 Version 1.2MD8	• Change Allegheny references to Allegheny Power • Change Allegheny Power bill ready implementation date to 1/1/2001 • Update PEPCO comment on cancel / re-bill due to usage • Clarify Budget Bill info for rate ready for PEPCO • Add new section in MD Notes: How many detail lines are supported by utility • Add Delmarva info for cancel / re-bills for previous suppliers for active accounts • Add clarification to DE Delmarva use for REF*OI segment • Change description of TDS requirements for PA to add clarification • Corrected several examples • Add note prior to NJ Bill Ready example explaining scenario • Add PSE&G note regarding use of BIG08 • Add PSE&G note regarding processing of transactions in the New Jersey Notes section • Add PEPCO use of SAC fields in ACCOUNT loop • Add new values to SAC04 for PEPCO • Indicated how many characters First Energy will support in the SAC15 • Updated First Energy PA Budget Bill Information
September 10, 2000 Version 1.3	This transaction is a new FINAL version for Pennsylvania, New Jersey, Maryland, and Delaware (Delmarva only).
January 22, 2001 Version 2.0	For PSE&G CAS • Updates NJ Notes section pg 11 • Added PID loop note in Data Dictinary pg. 21 • Updated NJ Use note on segment BAL*P*YB pg 41 • Updated NJ Use note on segment BAL*M*J9 pg 42 • Updated NJ Use note on segment PID in IT1 Account Loop pg. 50 • Added not on element PID07 in IT1 Account Loop pg. 50
October 19, 2001 Version 2.0rev01	• Incorporate Delaware Electric Coop (DEC) information for Delaware • Incorporate PA Change Control 036 – Add REF*PR to Rate loop to be required for Bill Ready in PA

		• Incorporate MD Change Control 001 – Use of cross reference numbers in cancel/re-bill situations • Incorporate MD Change Control 002 – Remove Rate Ready for PEPCO • Add Delmarva NJ CAS notes

December 13, 2001
Version 2.0rev02
		• Incorporate PA Change Control 038
		  • Change all references from PPL to PPL EU
		  • Clarify PECO rule on LDC consolidated bill - supplier switch
		  • UGI budget billing update
		  • Add use of cross reference number for cancel 810s for Bill Ready / Rate Ready
		• MD – clarify PEPCO expectation of REF*OI for a reversal transaction (BIG08=17)
		• Add example of PSE&G 810 for CCAS bill print functionality.

January 9, 2002 Version 3.0		• Incorporate SMECO comments for MD (MD Change Control 003). • Correct PSE&G example, minimum fields for NJ. This transaction is a new FINAL version for Pennsylvania, New Jersey, Maryland, and Delaware.
January 20, 2006 Version 3.0.1D		• Incorporate NJ Change Control 005 (NJ CleanPower program changes) • Incorporate NJ Change Control 006 to reflect current operations
October 23, 2006 Version 3.0.2D		• Incorporate NJ Change Control 008 to reflect NJ CleanPower – unmetered usage for RECO)
March 5, 2007 Version 3.0.3F		• Update PPL comments on cancel / re-bill not relating to usage • Considered FINAL for PA and NJ
July 4, 2009 Version 3.0.5D		• Incorporate PA Change Control 045 • Incorporate NJ Change Control PSEG-E-810
January 24, 2010 Version 3.1		This transaction is a new FINAL version for Pennsylvania, New Jersey, Maryland, and Delaware.
September 8, 2010 Version 3.1.1D		• Incorporate PA Change Control 059 (BAL updates for LDCRR) • Incorporate PA Change Control 060 (PA Admin/Cleanup) • Incorporate PA Change Control 063 (PPLEU 810 updates) • Incorporate PA Change Control 064 (PP support of LDCBR) • Incorporate PA Change Control 067 (PPLEU LDCRR) • Incorporate MD Change Control – Admin (Admin/Cleanup changes for MD)
February 28, 2011 Version 4.0		This transaction is a new FINAL version for Pennsylvania, New Jersey, Maryland, and Delaware.
February 16, 2012 Version 4.01		• Incorporate PA Change Control 079 (Clarify taxes in PA notes section) • Incorporate PA Change Control 088 (Update PECO SAC15 in PA notes section) • Incorporate PA Change Control 091 (Clarify BIG02 for PECO) • Incorporate PA Change Control 092 (Remove MS from TXI01) • Incorporate PA Change Control 093 (admin changes) • Incorporate MD Change Control 009 (BGE/PEPCO invoice cancel) • Incorporate MD Change Control 011 (Update MD Notes Section)
March 8, 2013 Version 6.0		• Moving to v6.0 to align versions across all transaction sets • Cleaned up references to Allegheny and APS throughout document • Incorporate PA Change Control 99 (FE support of auto cancel & bill messaging) • Incorporate PA Change Control 102 (increase REF*BF length in Data Dictionary) • Incorporate MD Change Control 012 (PE support of auto cancel & bill messaging) • Incorporate NJ Change Control (PSEG TPS Charge Description/Rate)
March 17, 2014 Version 6.1		• Incorporate MD Change Control 019 (PHI new CIS) • Incorporate NJ Change Control Electric 025 (ACE new CIS) • Incorporate NJ Change Control Electric 031 (RECO removal from IG) • Incorporate NJ Change Control Electric 032 (PSE&G admin updates)
February 18, 2015 Version 6.2		• Incorporate PA Change Control 121 (PECO max # of NTE*ADD segments)

February 5, 2016 Version 6.3		• Incorporate PA Change Control 126 (Clarify PA Use of TXI segment) • Incorporate PA Change Control 128 (Clarify PA Notes for Bill Ready/Supplier Switch) • Incorporate PA Change Control 129 (Duquesne support for Bill Ready)
March 14, 2017 Version 6.4		• Incorporate PA Change Control 134v3 (Clarify PPL & PECO Missed Bill Window Process • Incorporate PA Change Control 136 (Clarify FE Max # of charge lines per invoice)
May 18, 2018 Version 6.5		• Incorporate PA Change Control 145 (Incorporate Citizens & Wellsboro into IG)
March 22, 2019 Version 6.6		• Incorporate MD Change Control 052 (PHI Missed Bill Window in MD Notes) • Incorporate MD Change Control 055 (PHI 824 Code for MBW in MD Notes) • Incorporate NJ Change Control NJE045 (Negative Total Invoices in NJ Notes) • Incorporate NJ Change Control NJE046 (PHI Missed Bill Window in NJ Notes) • Incorporate NJ Change Control NJE047 (PHI Missed Bill Window/AFB in NJ Notes) • Incorporate NJ Change Control NJE048 (End of Clean Power Choice program NJ Notes)
March 25, 2021		• Incorporate PA Change Control 156 (Update Missed Bill Window in PA Notes) • Incorporate PA Change Control 158 (Add Rate Ready Excess Generation in PA Notes
March 25, 2022 Version 6.8		• Incorporate MD Change Control 062 (Update Sequence Number for BGE in MD Notes) • Incorporate PA Change Control 161 (Update Rate Ready XREF for UGI in PA Notes)
April 30, 2024 Version 6.9		• Incorporate PA Change Control 171 (Remove REF9V)
March 15, 2025 Version 7.0		• Incorporate PA Change Control 174 (Require SAC13 for PECO) • Incorporate MD Change Control 086 (BAL*M*YB to not used for DE)
March 10, 2026 Version 7.1		• Incorporate NJ Change Control 059 (Remove PSEG not used from BIG05

General Notes

LDC Definitions:	The term LDC (Local Distribution Company) in this document refers to the utility. Each state may refer to the utility by a different acronym: • EDC – Electric Distribution Company (Pennsylvania, Delaware) • LDC – Local Distribution Company (New Jersey) • EC – Electric Company (Maryland)
ESP Definitions:	The term ESP (Energy Service Provider) in this document refers to the supplier. Each state may refer to the supplier by a different acronym: • EGS – Electric Generation Supplier (Pennsylvania) • TPS – Third Party Supplier (New Jersey) • ES – Electric Supplier (Delaware) • ES – Electricity Supplier (Maryland)
Renewable Energy Provider Definition:	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: • GPM – Green Power Marketer (New Jersey) **Note:** The transaction will either have an ESP or a Renewable Energy Provider, but not both.
Purpose	This document is used to define the requirements of the LDC Consolidated Bills which can be used for two purposes: • Sent by LDC to ESP – Used when the LDC calculates the ESP charges, based on the rates provided by the ESP to the LDC. This is referred to as Rate Ready billing. • Sent by ESP to LDC – Used when the ESP calculates their own charges and the charges print on an LDC consolidated bill. This is referred to as Bill Ready billing. **Note**: ESP Consolidated Bills are defined in a separate 810 Implementation Guide.
IT1 Loop	The IT1 is used to indicate whether the charge/tax is at a rate level, account level, or unmetered level. **IT109 = "ACCOUNT"** for billing information that pertains to the entire account. • Pennsylvania Gross Receipts Tax and Estimated PA State Tax, if provided must be in the Account Loop • Account Loop may contain all charges and taxes for the customer's account, e.g., Customer Account Charge, Meter Charge, State Sales Tax, County Tax and generation charges. • Account Loop may be used in Rate Ready LDC Consolidated Billing and may contain just account level charges and all taxes, e.g. Customer Account Charge, Meter Charge, State Sales Tax and County Tax, with generation charges itemized in the Rate Loop (IT109=RATE) and/or Unmetered Loop (IT109=UNMET). • Account Loop may be used in Bill Ready LDC Consolidated Billing and may contain just account level charges and all taxes, e.g. Customer Account Charge, Meter Charge, State Sales Tax and County Tax, with generation charges itemized in the Rate Loop (IT109=RATE) and/or Unmetered Loop (IT109=UNMET). Contact the individual LDC to determine the effect of using the Rate Loop or Unmetered Loop on the LDC print program used to generate the bill presented to the customer. • Bill Ready and Rate Ready data examples at the end of this guide illustrate how to use the Account loop. **IT109 = "RATE"** when billing information is being provided at a Rate level. • Pennsylvania Gross Receipts Tax and Estimated PA State Tax must never be provided in the Rate Loop. • Rate Loop may be used for Rate Ready LDC Consolidated Billing • Rate Loop may be used in Bill Ready LDC Consolidated Billing. Contact the individual LDC to determine the effect of using the Rate Loop on the LDC print program used to generate the bill presented to the customer. • Bill Ready and Rate Ready data examples at the end of this guide illustrate how to use the Rate loop.

	IT109 = "UNMET" when billing information is for Unmetered Services. • Pennsylvania Gross Receipts Tax and Estimated PA State Tax must never be provided in the Unmetered Loop. • Unmetered Loop may be used for Rate Ready LDC Consolidated Billing • Unmetered Loop may be used in Bill Ready LDC Consolidated Billing. Contact the individual LDC to determine the effect of using the Unmetered Loop on the LDC print program used to generate the bill presented to the customer. • Bill Ready and Rate Ready data examples at the end of this guide illustrate how to use the Unmetered loop.
Rate Ready – Single IT1 Loop	• Companies doing Rate Ready billing using only a single IT1 ACCOUNT Loop will not be required to provide the ESP Rate Code (REF*RB) since that code is provided in the RATE level.
Bill Ready – Sending Multiple 810s:	• The dates (DTM segments) in the 810 must match the dates (DTM segments) in the corresponding 867. • Prior period charges must be sent in separate 810 sets (ST segment to SE segment) within one ISA. • LDCs will initiate the billing process upon the receipt of the current charges so ESPs must ensure prior period charges are received prior to the current charges during the current bill window.
Bill Ready – Sequencing Numbers	• Print sequencing numbers must be unique and sequential within each 810. If print sequencing numbers are not unique and sequential, the billing party will determine the order on the bill (i.e., the 810 will not be rejected because the sequencing numbers are not unique).
Budget Billing: Rate Ready Consolidated Billing	• The Actual charges will be coded with their appropriate code ("A" = Allowance, "C" = Charge, or "N" = No Allowance or Charge) in the SAC01. SAC02 will be set to F950. SAC04 will be set to the appropriate value. The actual charge will be in SAC05. • The Budget Amount information will be SAC02 = H151, SAC01 = N, SAC04 = BUD001. The budget charge will be in SAC05.
Late Payment Charges: Rate Ready	• Rate Ready Late payment charges that the utility applies to the supplier charges under the pay-as-you-get-paid-model must be sent on an 810 transaction. Inclusion of these charges on an 810 indicates the EDC assessed late payment charges for the previous billing period. The customer did not pay the ESP charges in full by the previous billing period due date. These charges are not sent in the Purchase of Receivables model.
Cancellation Scenarios: Rate Ready	• The prior 810 will be sent (you must cancel by billing period), however, it is not necessary to include the BAL segments in Rate Ready LDC Consolidated Billing scenario. • The values will be identical in sign to what they were on the original bill. The way to indicate the bill is being reversed is through the use of the BIG08 field – value "01". • If the LDC does an off-cycle cancel, the 810 cancellation must be sent before the re-bill. • The re-bill will always be coded as an original (BIG08 – "00")
Cancellation Scenarios: Bill Ready – Directly Related to Usage	**LDC Consolidated with LDC Meter Read:** Some LDC's will cancel 810 charges when they cancel 867 usage. Others will not and will require the ESP to send back an 810 cancel if they want to cancel the corresponding charges. See the Notes Section for each State for each Bill Ready LDC's requirements
Cancellation Scenarios: Bill Ready – Not Related to Usage	**Bill Ready Scenarios – ESP Cancels 810 Not Related to Usage** These scenarios differ by utility and are documented within the state sections.
Cross Reference Number between 867, 810, and 820	There is a cross reference between billing related documents. • 867 – BPT02 – This document establishes the cross reference number. • 810 – BIG05 – This document must have the cross reference number from the respective 867. • 820 – REF6O (letter O) – When making the other party whole, the 820 to the non-billing party must also include the cross reference number from 867/810 document.

Pennsylvania Notes

Billing Information:	• Duquesne – Supports Rate Ready and Bill Ready • First Energy (MetEd, Penelec, Penn Power, West Penn Power) – Supports Rate Ready and Bill Ready. All operating companies follow First Energy rules • PECO – Supports Bill Ready Only. • PPL EU – Supports Rate Ready, Bill Ready, and EGS Consolidated Billing. • UGI – Supports Rate Ready Only. • Citizens & Wellsboro – Supports Rate Ready Only.
Chapter 56	In order to understand all the billing rules applicable in PA, this document must be used in conjunction with Chapter 56. Residential, Commercial and Industrial customer classes each have different billing rules and requirements.
Calculating Previous Unpaid Balance	The billing party has the responsibility of calculating the previous unpaid balance, regardless of which payment model is used.
Cancellations: Bill Ready: Directly Related to Usage	In PA, all bill ready utilities' 867 cancel will automatically cancel the ESP's 810 charges. The ESP should not send a cancel 810.
Charge Lines: Bill Ready: Number of charges	Duquesne Light – 10 (total line item charges across all IT1 loops) First Energy - No Maximum (while there is no limit, an excessive number of supplier charges would risk formatting issues in the supplier section on the FirstEnergy bill) PPL EU – 15 PECO – 10 Any additional charges over the above maximum limits will not be included in the bill and no rejection will be sent to the ESP.
Negative Total Invoice: Bill Ready	**<u>PPL EU / PECO</u>** <u>Will not accept 810 Invoice with total negative charges (TDS)</u>. The transaction would reject with 824 and code TCN – Total Charges Negative **FIRST ENERGY/DUQUESNE LIGHT** Accepts 810 Invoice with total negative charges (TDS).
Cancellations: Bill Ready Scenario – Not Related to Usage	**<u>Bill Ready Scenario – Not directly related to usage</u>** <u>LDC Consolidated with LDC Meter Read:</u> **PECO** • ESP will send their 810 Reversal (BIG08 = "17") The service period dates must match original bill period The total of reversed charges will show as a line item on the bill and must equal the total charges on the original 810. • The cross-reference number (BIG05) must be provided. • The 810 Reversal ((BIG08=17) can be received at any time prior to or in the same ISA as the Reissue (BIG08="18"), however, the 810 Reissue (BIG08 = "18") must be received during the billing window • ESP will send their 810 Reissue (BIG08 = "18") The service period dates must match original bill period New charges will be sent during the billing window The 810 Reissue must be received prior to the 810 current charges or in the same ISA envelope. (Sending at the same time does not guarantee that PECO will receive them at the same time unless they are in the same ISA envelope). • ESP will send their 810 Current Charges (BIG08 = "00") All prior and current charges must be sent to LDC during current bill window **PPL EU/DUQUESNE LIGHT** • Cannot support Supplier initiated Cancel (reversal)/Re-bills (reissue) at this time – The ESP must utilize an adjustment on the next bill.

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First Energy

ESP will send their 810 Reversal (BIG08 = “17”). The service period dates must match original bill period. The total of reversed charges will show as a line item on the bill and must equal the total charges on the original 810.
The cross-reference number (BIG05) must be provided.
The 810 Reversal (BIG08=17) can be received at any time prior to or in the same ISA as the Reissue (BIG08=18), the 810 Reissue (BIG08 = “18”) is not required to be received during the billing window
ESP will send their 810 Reissue (BIG08 = “18”). The service period dates must match original bill period. The reissue is not required to be sent in the bill window.

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<tr><td>Bill Ready – LDC Consolidated Billing - Supplier Switch</td><td>
The following outlines the rules that apply when there is an ESP switch and the previous ESP misses the billing window:

PECO

PECO does not allow for two ESP’s charges on the LDC consolidated bill. PECO will not place the previous ESP’’s previous charges on the bill. Once the switch has taken place the old ESP must bill the customer directly for previously unbilled ESP charges. An ESP reversal (BIG08=”17”) will be processed if it received after the switch; however, a reissue (BIG08=”18”) must be billed to the customer directly by the ESP. When PECO initiates a re-bill (BIG08=”00”) as a result of a cancellation (BIG08=”01), a bill window is available for that billing period only.

PPL EU

PPL EU will not place the previous ESP’s previous charges on the bill. Once the switch has taken place the old ESP must bill the customer directly for previously unbilled ESP charges. Any ESP reversals or re-bills that occur after the switch must also be billed to the customer directly by the ESP.
If the re-bill is initiated by PPL EU (i.e.,. a cancel/re-bill scenario), the ESP will receive a cancel and any applicable re-billed usage. The ESP must return an 810 for the PPL EU initiated re-bill period only. The service period on this 810 must match the service period in the PPL EU initiated re-bill. If this 810 misses the bill window, the ESP must bill the customer directly.

First Energy

If a supplier misses the bill window on the last bill First Energy is producing for the supplier (due to switch), First Energy will reject the ESP’s 810 via an 824 with reject code AFB (Account Final Billed). The ESP must bill the customer directly

DUQUESNE LIGHT

If a supplier misses the bill window on the last bill Duquesne is producing for the supplier (due to a switch), Duquesne will accept the charges and place on the next bill as long as Duquesne is still producing a bill for that customer

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<tr><td>Bill Ready – Missed Window:</td><td>
Each LDC has distinct rules on how a missed bill window will be handled:

PPL EU

If the EGS sends the 810 after the account has billed, PPL EU will send an 824 with reason code OBW. The EGS may send multiple 810s during the next open bill window in order to bill the missed periods, as long as the EGS is still serving the customer. Receipt of any 810 within the bill window will trigger billing by PPL EU; therefore, all 810s must be sent on the same day, prior to the 1:00 PM cutoff time. In the instance of a final bill, the EGS should render an invoice directly to the customer for the unbilled charges. If an 810 is sent outside of the bill window and the EGS is no longer serving the customer, PPL EU will send an 824 with reason code A84. In the event the supplier sends a missed 810 (from a prior period along with their current charges, and if the current bill period gets cancelled – PPL will not send a rejection transaction for the prior period ‘missed’ 810. The cancelled period is not associated with the

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Bill Ready – Missed Window (Continued):	prior period's transaction so there is no linkage in the system. It is up to the EGS/ or EDI provider to realize that the period that this was submitted with got cancelled and therefore needs to be resubmitted again. Many times the period is cancelled due to a high bill (because they tried to submit multiple missed 810, and it exceeds the high bill threshold). **PECO** • If the EGS does not submit the 810 response by the due date provided in the 867 transaction, the applicable bill period will be invoiced by PECO. The EGS will receive an 824 transaction with a status reason of NCC with the expectation that the EGS will submit the response at the time of the next open bill window. If the EGS submits the 810 response after the bill window has closed, PECO will reject the 810 response and issue an 824 transaction with a rejection reason of OBW. • At the time of the next open bill window, the EGS should send a new 810 response as required for the missed period(s). The response(s) can be sent before or after the 810 response for the current period or within the same ISA envelope. All responses must be received by the due date noted in the current 867 transaction. • PECO only supports the NTE*ADD segment (4 lines, 80 characters each) and will use such segment, for bill print purposes, from each 810 response in the order in which each response is processed. • If the EGS submits the 810 response after the bill window has closed and the EGS is no longer serving the customer, PECO will reject the 810 response and issue an 824 transaction with a rejection reason of A84. If the EGS submits the 810 response after the bill window has closed and the account status is Final, PECO will reject the response and issue an 824 transaction with a rejection reason of A76. In both instances, the EGS should render an invoice directly to the customer for the unbilled charges. **FIRST ENERGY** • First Energy will send an 824 "EV" with Reason Code "OBW" and hold supplier charges to present on the next bill except for a customer Final Bill where FirstEnergy will send an 824 "82" with Reason Code AFB . In this case, the EGS is responsible for billing the customer. **DUQUESNE LIGHT** • Duquesne will hold supplier charges and present on the next bill except for a customer Final Bill where Duquesne will send an 824 "82" with Reason Code AFB. In this case, the EGS is responsible for billing the customer.
Bill Ready Text (Regulatory and Other)	• Duquesne Light – will print a max of four NTE segments total of 80 characters each • First Energy & PPL – will print a max of four NTE segments total of 80 characters each. Supports four NTE*ADD segments or two NTE*ADD' & two NTE*OTH segments. • PECO –Four lines of 80 characters for NTE*ADD, does not support NTE*OTH segments.
Changing Due Dates on Rate Ready Bills	A change in a due date will either result in a cancel/re-bill or sending of a duplicate 810. • Duquesne – Will cancel and re-bill if due date changes • First Energy – Will cancel and re-bill if due date changes • UGI – Will cancel and re-bill if due date changes • PECO – Does not support Rate Ready Billing • PPL EU – Supplier payment is based on the date the bill was issued, not based on due date. In the event a due date change actually impacts the supplier, PPL EU will cancel/re-bill the account. • Citizens & Wellsboro – Due dates do not change
Budget Billing	**Duquesne** • Rate Ready - Provides option for budget billing for both LDC and ESP charges to all residential customers. The budget amounts are based on the average usage over the previous 12- month period.

	• Bill Ready – Duquesne will only calculate a budget for the distribution charges. The ESP has the option to budget their charges in the 810 invoice. The Supplier will be paid on the amount sent in the bill ready 810. The ESP will be responsible for maintaining the customer's budget bill balance for ESP charges. The customer must contact the ESP directly regarding budget bill of ESP charges. **PECO** PECO's process for LDC Consolidated Billing: • The ESP enrolls the customer (814 Enrollment Request) • PECO responds and informs the ESP if the customer is budget billed using the LDC Budget Billing Status on the 814 Enrollment Response • PECO passes the total usage to the ESP on the 867 • The ESP passes their total charges (not budgeted charges) to PECO on the 810 • PECO calculates the customer's budget bill for both the ESP and LDC portion of the bill. • PECO pays (in 20-25 days) the ESP for the ESP's total undisputed dollars (not the customer's budgeted dollars). • The Budget is between the PECO and the Customer. **PPL EU** PPL EU handles the budget with the customer directly, including supplier charges. The supplier is expected to send actual charges in Bill Ready and will be paid based on actual charges for both Bill Ready and Rate Ready. A customer may not be on budget billing with PPL EU for EGS Consolidated Billing **UGI** • Contact UGI supplier information for details on budget billing. **First Energy** • Rate Ready – FirstEnergy will automatically budget ESP charges when customer is on budget billing with FirstEnergy. Supplier will be paid on actual charges. • Bill Ready – FirstEnergy does not budget automatically budget bill ESP charges under bill ready. The ESP has the option to budget their charges and send a 'budgeted' amount in the bill ready 810 invoice. Supplier will be paid on the amount sent in the bill ready 810 The ESP will be responsible for maintaining the customer's budget bill balance for ESP charges. The customer must contact the ESP directly regarding budget bill of ESP charges. **Citizens & Wellsboro** • Citizens supports Budget Billing. Budget EGS charges when customer is setup on budget with EDC & remit payment based on customer payment.
PECO's Use of IT1 Loops	PECO will accept charges at the account level, rate level and/or the unmetered level. • Account level – The ESP may currently submit up to 10 lines of basic charges in the summary level. • Rate Level – The ESP can currently submit up to 10 lines of basic charges for each of PECO's electric rates on the account. • If there is just one electric rate, the ESP currently has 10 lines of basic charges. • If there is more than one electric rate on the account and the ESP chooses to submit billing charges at the PECO rate level, the ESP must send two IT1s and identify PECO's rate codes in the REF02. The ESP may currently submit ten lines of basic charges per IT1. • If there is more than one electric rate and the ESP chooses NOT to submit billing charges at PECO rate level, the ESP is not required to identify the rate code. The ESP will have 10 line items of basic charges. • Unmetered Level – The ESP can currently pass up to 10 lines of basic charges for each of PECO's unmetered rates on the account. • If there is just one unmetered rate on the account, the ESP currently has 10 lines of basic charges.

	• If there is more than one unmetered rate on the account and the ESP chooses to submit billing charges at PECO rate level, the ESP must identify each of the rate codes in the REF02 and is allowed ten lines of basic charges per rate code. • If there is more than one unmetered rate and the ESP chooses NOT to Submit billing charges at PECO rate level, the ESP does not have to identify the rate code. The ESP will currently have 10 line items of basic charges. If the ESP sends back charges at more than one of the above levels, or if the ESP sends back charges that exceed our current line item limit, PECO will reject the transaction and send the ESP an 824 transaction with a rejection reason code of "BRC", meaning that the number of SAC segments provided exceeds PECO's allowable maximum. Note: The current "ten line" rule does not include the advanced metering charge, taxes, or the ESP's total billed dollars.
Bill Ready -What cross reference number is expected on a cancel 810 – the original 867 xref or the cancel 867 xref?	• ALL PA EDCs – does not apply since each bill ready EDC will automatically cancel the ESP's charges when the EDC issues a cancel 867.
ESP Tax Calculation Requirements	**Rate Ready:** ESP must send sales tax exemption percentage in the 814 Enrollment Request to the LDC. Should the customer's tax exemption status change, the ESP must submit the new percentage via the 814 Change Request. **Bill Ready:** *Residential /Small Commercial*– As per Ch56, Gross Receipt Tax (GRT) must be displayed on the customer bill. To facilitate this requirement, the ESP must send embed GRT into the energy rate and send one TXI segment for GRT as informational (TXI07 = O) NOT summed to the invoice total (TDS). Residential customers are NOT subject to PA State sales tax on energy charges unless the residence is used for business purposes or rental property. In the event PA State Sales tax applies to a residential customer, the ESP may send TXI segment (ST) as additive (TXI07=A) or informational only (TXI07=O). The invoice total (TDS) will equal all additive TXI segments and all SAC line item charges. *C&I* - No requirements to display ESP taxes on C&I customer bill. ESP may or may not embed taxes into the rate. If embedded, TXI's will be informational (TXI07 = O) and not sum to the TDS. If not embedded into the rate, then TXI's must be additive (TXI07 = A) and the sum of all charges and taxes MUST equal the total in the TDS segment. *Individual tax calculations on ESP charges vary by LDC:* **Duquesne Light** • Rate Ready: Calculates the PA State and County sales tax associated with the ESP portion of the bill utilizing the tax exemption percentage provided by the EGS (814E/C). All other taxes must be included in the EGS's rate. • Bill Ready: ESP must calculate all taxes for ESP charges. **First Energy** • Rate Ready: First Energy will calculate and bill PA State sales tax associated with ESP charges based on applicable sales tax exemption percentage provided by the EGS (814E/C). All other taxes must be included in the ESP's rate. • Bill Ready: ESP must calculate all taxes for ESP charges.. **PECO** • Rate Ready: Not applicable, PECO does not support Rate Ready. • Bill Ready: ESP must calculate all taxes for ESP charges. NOTE: For sales tax (ST) to be printed on customer invoice, PECO requires the TXI segment for sales tax be sent as additive. If sales tax is sent as informational only, PECO will not print on the customer bill.

	PPLEU • Rate Ready: Calculates the PA State sales tax associated with the ESP portion of the bill utilizing the tax exemption percentage provided by the EGS (814E/C). All other taxes must be included in the ESP's rate. For municipal accounts, PPL will always use 100% tax exempt regardless of what is provided by the ESP. • Bill Ready: ESP must calculate all taxes for ESP charges. Taxes must appear within the IT109=ACCOUNT Loop. If they are included in any other IT1 loop, the 810 will be processed but the taxes will not be included. Charges may be in the ACCOUNT, RATE, METER or UNMET loops; they will be treated the same regardless of which loop they are included. **UGI** • Rate Ready: Calculates the PA State sales tax associated with the ESP portion of the bill utilizing the tax exemption percentage provided by the EGS (814E/C). All other taxes must be included in the ESP's rate. • Bill Ready: Not applicable, UGI does not support Bill Ready.
Rate Ready EDC – Re-Bill Process for Tax Rate Change	Process for each Rate Ready LDC when there is a re-bill situation across a change in the tax rate for ESP charges. **Duquesne Light** – This rate is effective for a period of time until a new rate is provided with a new effective date. Any cancel/re-bill uses the rate with the effective date for the period being canceled and re-billed. State sales tax is hardcoded into our programming, so if that were to change and we had to cancel/re-bill, the new value would be used no matter the time period the bill was for. **First Energy** – The cancel/re-bill uses the tax rate effective for the period being canceled and re-billed. **PPLEU** – Any cancel /re-bill would use the tax rate in effect at the current time. For GRT we would use the percentage that is currently stored when generating informational messages on the customer's bill. **UGI** – Gross receipts tax (GRT), along with any other state taxes the supplier is recovering, is embedded in the rates the Supplier provides UGI for use in rate ready billing. This rate is effective for a period of time until a new rate is provided with a new effective date. Any cancel/re-bill uses the rate with the effective date for the period being canceled and re-billed. State sales tax is hardcoded into our programming, so if that were to change and we had to cancel/re-bill, the new rate would be used even for older periods of time. **Citizens & Wellsboro** - The cancel/re-bill uses the tax rate effective for the period being canceled and re-billed.
Rate Ready LDC – Re-Bill Process for Tax Exemption Percentage Change	Process for each Rate Ready LDC when there is a re-bill situation across a change in the ESP tax exemption percentage. **Duquesne Light** – When the ESP changes tax exemption percentage, Duquesne will execute a cancel / re-bill, and the new value would be used no matter the time period the bill was for. **First Energy** – The cancel/re-bill uses the tax exemption percentage effective for the period being canceled and re-billed. **PPLEU** –stores a single field on the customer account for the taxable percentage for the supplier. Any cancel /re-bill would use the tax rate in effect at the current time.

<table>
<tr>
<td></td>
<td>
UGI – stores a single field on the customer account for the taxable percentage for the supplier. If the supplier changed this percentage and UGI canceled/re-billed, the new value would be used no matter the time period the bill was for.
Citizens & Wellsboro – The cancel/re-bill uses the tax exemption percentage effective for the period being canceled and re-billed.
</td>
</tr>
<tr>
<td>Rate Ready LDC Handling of Excess Generation for Net Metered Customers</td>
<td>
Process for each Rate Ready LDC when a customer has excess generation.
Duquesne Light – Current period Excess Generation is reflected in the 867 BB Loop and the Rate Ready 810. Excess generation from a prior period is carried over to subsequent periods for Rate Ready and the kWh billed will match the kWh in the 867 BB Loop.
FirstEnergy – Generation is disregarded for both the 867 BB Loop and the 810 Rate Ready; both will only reflect Consumption for the period. See PA EDEWG Change Control #150 for more details.
PPLEU – Current period Excess Generation is reflected in the 867 BB Loop and 810. Excess generation from a prior period is not carried over to subsequent periods for Rate Ready; the kWh billed to the customer will not match the kWh in the 867 BB Loop and instead will reflect the net for the period.
UGI – Current period Excess Generation is reflected in the 867 BB Loop and 810. Excess generation from a prior period is not carried over to subsequent periods on either the 867 or the 810 Rate Ready. The kWh billed will match the kWh in the 867 BB Loop.
Citizens & Wellsboro – At the time this section was written there were no production shopping accounts to verify. However, the understanding is that Current period Excess Generation is reflected in the 867 BB Loop and the Rate Ready 810. Excess generation from a prior period is carried over to subsequent periods for Rate Ready and the kWh billed will match the kWh in the 867 BB Loop.
Example:
<table>
<tr><td></td><td>Consumption kWh</td><td>Generation kWh</td><td>Net kWh</td></tr>
<tr><td>Month 1</td><td>500</td><td>600</td><td>-100</td></tr>
<tr><td>Month 2</td><td>750</td><td>500</td><td>250</td></tr>
</table>
<table>
<tr><td>Utility</td><td>867 BB Loop kWh</td><td>810 kWh</td><td>Comments</td></tr>
<tr><td>Cit/Wells</td><td>150</td><td>150</td><td>They bank excess and apply if for Rate Ready</td></tr>
<tr><td>DQE</td><td>150</td><td>150</td><td>They bank excess and apply if for Rate Ready</td></tr>
<tr><td>FE</td><td>750</td><td>750</td><td>They disregard all generation in BB loop and Rate Ready</td></tr>
<tr><td>PPL</td><td>150</td><td>250</td><td>They bank excess generation for 867 BB loop, but not Rate Ready</td></tr>
<tr><td>UGI</td><td>250</td><td>250</td><td>They do not bank excess generation for 867 BB loop or Rate Ready</td></tr>
</table>
</td>
</tr>
</table>

Description of Rate Ready Business Practice	Duquesne	First Energy	UGI	PPL EU	Citizens & Wellsboro
Sends "N" (No allowance or charge indicator in SAC01) for Late Payment Charges	Does not support ESP Late Payment Charge	Does not support ESP Late Payment Charge	Does not support ESP Late Payment Charge	Does not support ESP Late Payment Charge	Yes, Supports Late Payment Charge
Sends "N" (No allowance or charge indicator in SAC01) for Adjustments	Yes	Does not apply adjustments to supplier charges	Yes	Does not apply adjustments to supplier charges	Yes, supports adjustments
Sends signed amount in SAC05 for credited Adjustments	Yes	N/A	Yes	N/A	N/A
What cross reference number is supported on a cancel 810 – the original 867 xref or the cancel 867 xref?	BIG05=Cancel 867 BPT02 REF*OI = BIG02 from original 810	BIG05= Original 867 BPT02 REF*OI = BIG02 from original 810	BIG05= Cancel 867 BPT02 REF*OI = BIG02 from original 810	BIG05= Original 867 BPT02; REF*OI = BIG02 from original 810	BIG05= Original 867 BPT02; REF*OI = BIG02 from original 810

New Jersey Notes

Atlantic City Electric (PHI - Delaware)	• Please note that unless specified otherwise, the notes that apply to Atlantic City Electric New Jersey will also apply to Delmarva (Delmarva) Delaware.
Billing Information:	• Atlantic City Electric – Supports Bill Ready. • JCP&L – Supports Rate Ready and Bill Ready. • PSE&G – Supports Bill Ready • Rockland Electric – Supports Rate Ready **Note:** Rockland Electric Company (RECO) does not utilize this EDI implementation guideline. RECO uses the New York EDI implementation guidelines.

Calculating Previous Unpaid Balance	• For Rate Ready, the billing party has the responsibility of calculating the previous unpaid balance.
	• For Bill Ready, each utility determined whether they would maintain the previous unpaid balance.
	  • Atlantic City Electric will maintain the supplier previous unpaid balance.
	  • JCP&L will maintain the supplier previous unpaid balance.
	  • PSE&G is making the other TPS whole and thus will maintain the supplier previous unpaid balance as part of PSE&G's unpaid balance.

Processing Bill Ready Data	PSE&G presents supplier charges on its bill that are included within the first 810 accepted by PSE&G, that was received within the bill window
Cancellations due to usage: Bill Ready	PSE&G / JCP&L / Atlantic City Electric (effective with new CIS) The 867 will automatically cancel the ESP's 810 charges. The ESP should not send a cancel 810.

Cancellations – Bill Ready: Not directly related to usage:	<u>LDC Consolidated with LDC Meter Read:</u> • Atlantic City Electric ACE expects the ESP to reverse charges using an 810 reversal (BIG08=17) followed by an 810 reissue (BIG08=18). An 810 cancel (BIG08=01) without an 867 cancel generated by ACE will be rejected. ACE requires the REF*OI segment in conjunction with the BIG08=17 code. When using BIG08= 17, charges should be sent identical to original transaction. Note: ACE will support above process upon implementation of new CIS, until then supports either BIG08= 17 or 01 to reverse ESP charges. • PSE&G Supplier must determine what value to place in next 810. PSE&G will ignore an 810 cancel. • JCP&L Please refer to the Pennsylvania section for First Energy rules.
Bill Ready – LDC Consolidated Billing - Supplier Switch	The following outlines the rules each Bill Ready Utility has when there is a supplier switch and the previous ESP misses the billing window. • Atlantic City Electric - Please refer to Maryland section for Delmarva (Delmarva) rules. • PSE&G – If supplier misses bill window on a switch, PSE&G will NOT print original supplier charges on the next bill • JCP&L – Please refer to Pennsylvania section.
Bill Ready – Negative Total Invoice	ACE, JCP&L and PSE&G: Accepts Bill Ready 810 Invoice with total negative charges in the TDS segment.
Bill Ready – Missed Window:	Each utility has distinct rules on how a missed bill window will be handled: • Atlantic City Electric - will hold charges and display on next bill with respective period (no 824 sent). Note for final bills: If 810 is received after the DTM649 date and the account has been final billed, it will be rejected with an EDI 824 transaction (TED*848*AFB) with an action code of reject (BGN08=82). • PSE&G – will NOT hold charges. The suppliers next month's 810 should include charges for any missed bill windows. PSE&G will only use the FIRST 810 accepted in the Bill Window for charges. • JCP&L – Please refer to Pennsylvania section
Minimum requirements in New Jersey :	Each LDC may allow different fields to be passed. The minimum fields that must be on a New Jersey bill are: PSE&G will use the following segments for Bill presentation: • Adjustment - SAC05 where SAC04=ADJ000, IT1 loop=ACCOUNT (optional) adjustments must not include payments. PSE&G will accept one adjustment line in the 810. Any 810s received with more than one adjustment will be rejected. • Current Charge - SAC05 where SAC04=GEN004, IT1 loop=ACCOUNT (must send) Only one Current Charge per 810 is expected. If additional Current Charges are sent the additional charges will be added together by PSE&G and the sum included on the customer's invoice. • Total Charge - BAL*M*YB (must send) Total Charge Due must equal the sum of Adjustment and Current Charge **Note:** PSE&G will print any PID records up to 60 chars. In length and up to 50 PID loops. PSE&G will ignore any SAC record with SAC04=ADJ002 and also ignores the SAC15. If an ESP is certified for LDC Consolidated Billing, PSE&G will print the following seven items on the PSE&G Bill. 1. ESP Name 2. ESP phone number 3. ESP Logo (if ESP is certified for printing Logo) 4. Current Charge 5. Adjustment 6. Total charge (must equal the sum of Adjustment and Current Charge) 7. One Rolling Page containing up to 50 lines of text each containing up to 60 characters **Note:** Items 1-3 above are not sent via EDI810 but are provided earlier.

	Atlantic City Electric will use the following segments for Bill presentation: • Payments – will be maintained by Atlantic City Electric • Adjustments – SAC05 and SAC 15, IT1 loop=ACCOUNT (optional) • Current Charges – SAC05 and SAC15 (see below ESP Price on Customer Bill), IT1 loop=ACCOUNT (must send) • Supplier balances will be calculated by Atlantic City Electric and will not be passed from the supplier. **Note:** Atlantic City Electric will ignore any BAL segments JCP&L – NJ bill requirements are the same as First Energy PA requirements • Only use ACCOUNT loop for both Rate Ready and Bill Ready • In NJ, the SAC15 is required. (See below ESP Price on Customer Bill) • If BAL segments are sent, they will be ignored.
ESP Price on Residential Customer Bill (Bill Ready)	New Jersey regulations require the ESP's price for the energy charge be printed on the LDC's consolidated customer invoice for residential customers (C&I optional). To meet this requirement, the following applies to the bill ready LDCs: • Atlantic City Electric and JCP&L – the ESP must send the SAC15 with a description to include the price (rate) of the energy charge. • PSE&G – the ESP must send the charge description in the PID segment to include the price (rate) of the energy charge. PSE&G does not support the use of the SAC15. Any information sent in the SAC15 will not be printed on the customer's consolidated invoice. Example charge description: ENERGY CHARGE-60KWH@0.099833 PER KWH
Budget Billing	Budget Billing for the supplier portion of the bill is not provided in New Jersey on a Utility Consolidated Bill.
Bill Ready Text (Regulatory and Other)	• Atlantic City Electric – supports up to 4 PID segments for text (80 char. each) • PSE&G – not using NTE segments • JCP&L – Please refer to Pennsylvania section (First Energy PA requirements).
NJ Clean Power Choice	Pursuant to Board Order, Docket No. QO18040393, dated June 22, 2018, the Clean Power Choice Program is scheduled to end effective February 28, 2019. The EDI segments and data elements used for Clean Power Choice will remain in the EDI Implementation Guidelines to support any cancel/rebill scenarios or for future use in the event another program is established that may need these data elements.

Delaware Notes

Delmarva (Delaware)	Please see Maryland section for Delmarva. With new CIS Delmarva DE will adopt rules utilized by Delmarva in MD.
Billing Information:	Delmarva – Supports Bill Ready

Maryland Notes

Billing information:	**Potomac Edison (FirstEnergy Company)** – Supports Rate Ready and Bill Ready. **BGE** – Supports Bill Ready only **Delmarva** – Supports Bill Ready only **PEPCO** – Supports Bill Ready
Calculating Previous Unpaid Balance	The billing party is responsible for maintaining the non-billing party balance, and for calculating the previous unpaid balance.
Use of IT1 loops	**BGE** Will support the use of the ACCOUNT, RATE, and UNMET loops. BGE will process data from any of the loops. At least one loop must be sent. **Delmarva/PEPCO/Potomac Edison** Only use ACCOUNT loop
Bill Ready – Missed Window:	Each utility has distinct rules on how a missed bill window will be handled: **BGE**– Late 810 will be rejected. Supplier must re-send missed 810s in next bill window. **Pepco and Delmarva** - will hold charges and display on next bill with respective period (no 824 sent). Note for final bills: If 810 is received after the DTM649 date and the account has been final billed, it will be rejected with an EDI 824 transaction (TED*848*AFB) with an action code of reject (BGN08=82). **Potomac Edison** – will hold charges and display on next bill as "Charges not billed for prior month(s)"
Bill Ready- Sending of multiple months of 810s.	When there is a missed bill window and the LDC is not holding the ESP charges, the following rules will be followed: • If both or all 810s are sent on the same day, all of the 810s will be processed. • If the 810 for the current billing period is received prior to the delinquent 810, the consolidated bill will be released and will contain all LDC charges and only the current period ESP charges and any existing ESP arrearages. The subsequent receipt of the delinquent 810 will be rejected. • If the delinquent 810 is received first, the bill window will remain open for the designated period, or until the current 810 is received.
Cancellations due to usage – Bill Ready	**Potomac Edison/BGE/Delmarva/PEPCO** – The 867 will automatically cancel the ESP's 810 charges. The ESP should not send a cancel 810. Note: Delmarva will support upon implementation of new CIS, until then Delmarva requires ESP to cancel charges using BIG08=01.
Cancellations / Re-bills initiated by ESP – Bill Ready	**Potomac Edison** Will allow reverse charges using BIG08=17. Re-bill can be sent using BIG08=18. **Note:** When using BIG08= 17 charges should be sent identical to original transaction. **BGE** BGE expects the ESP to reverse charges using an 810 reversal (BIG08=17) followed by an 810 reissue (BIG08=18). An 810 cancel (BIG08=01) without an 867 cancel generated by BGE will be rejected. In summary, the primary way for the ESP to cancel/re-bill with BGE is to use the 810 reversal followed by the 810 reissue. **PEPCO & Delmarva** PEPCO expects the ESP to reverse charges using an 810 reversal (BIG08=17) followed by an 810 reissue (BIG08=18). An 810 cancel (BIG08=01) without an 867 cancel generated by PEPCO will be rejected. PEPCO requires the REF*OI segment in conjunction with the BIG08=17 code. When using BIG08= 17, charges should be sent identical to original transaction. **Note**: Delmarva will support upon implementation of new CIS, until then Delmarva supports either BIG08= 17 or 01 to reverse ESP charges.

	Note (applies to all utilities): An ESP may opt to send an adjusted amount in the next month's 810 as a current charge, rather than sending a cancel and re-bill.
Cancel / Re-bills after a Bill Option Change (supplier still supplier of record)	**Potomac Edison** The cancel / re-bill will be under the same billing option as the original bill **BGE/Delmarva/PEPCO** The cancel / re-bill will be under the current billing option
Cancel / Re-bills for Previous Suppliers for Active Accounts	**Potomac Edison** Rate Ready and Dual: Will send 867Mus and 810s (if applicable) cancel and re-bills. **BGE** BGE will send an 867 Cancel and an 867 MU (if BGE re-bills) to the previous supplier for billing periods up to twelve months in the past. The Supplier will be able to send invoice cancel transaction(s) for the final invoice billed plus up to 11 invoices prior. In the event BGE sends re-bill usage, BGE will accept re-bill invoice(s) from the Supplier. This does not apply to accounts no longer active with BGE. For cancellation periods beyond twelve months, BGE will not create an 867 Cancel. Details are still being developed on any communication to be used for cancellations more than 12 months old. **Delmarva** Delmarva will send an 867 Cancel and an 867 Re-bill to the previous supplier for billing periods up to eighteen months in the past. Delmarva will accept the 810 cancel and 810 re-bill. For cancellation periods beyond eighteen months, Delmarva will contact the Supplier directly to manually address the cancel/re-bill situation. **PEPCO** PEPCO will send an 867 Cancel and an 867 MU (if PEPCO re-bills) to the previous supplier for billing periods up to eighteen months in the past (but no more than one current and three prior suppliers). PEPCO will accept the corresponding 810 re-bill for the previous supplier's charges. For cancellation periods beyond eighteen months, PEPCO will not create an 867 Cancel. PEPCO will use a manual process for cancellations more than eighteen months old and/or any suppliers beyond the current and three prior suppliers.
Bill Ready – LDC Consolidated Billing - Missed Bill Window due to Supplier Switch	The following outlines the rules each Bill Ready Utility has when there is a supplier switch and the previous ESP misses the billing window. It is recommended that if a supplier misses a bill window on a switch that the previous supplier renders a bill with their charges. **BGE** • For first month after a Supplier switch, if the old Billing option was LDC Consolidated and the new Billing option is LDC Consolidated Billing, BGE allows for two ESP's charges on the LDC consolidated bill. **Note:** This will work only if the previous supplier charges are sent prior to or on the same day as the current supplier charges. • One month after switch, or if new Billing Option is Supplier Consolidated Billing or Dual Billing, the old ESP must bill the customer directly for previously unbilled ESP charges. Any ESP reversals or re-bills that occur after the switch must also be billed to the customer directly by the ESP. The same is true when BGE initiates the re-bill. **PEPCO & Delmarva** • PEPCO is rejecting any 810 that misses the billing window. If the previous supplier misses last bill window, supplier will have to bill on their own behalf **Note**: Delmarva will support upon implementation of new CIS, until then Delmarva will accept the charges and place on the next bill. **Potomac Edison**

	• If a supplier misses the bill window on the last bill First Energy is producing for the supplier (due to switch), as long as First Energy is still producing a bill for the customer, they will accept the charges, and will place on next First Energy bill.
Bill Ready – LDC Consolidated Billing - Missed Bill Window due to a Change in Bill Options	The following outlines the rules each Bill Ready Utility has when there is a change in Bill Options for the current supplier. Previous bill option was Bill Ready LDC Consolidated Bill. If a supplier misses the bill window in this situation, the late 810 will be rejected. The supplier must render a bill for their charges.
Bill Ready – LDC Consolidated Billing - Missed Bill Window on a FINAL Customer Bill	If a supplier misses the bill window on a FINAL customer bill, the late 810 will be rejected. The supplier must render a bill for their charges.
Budget Billing	**Bill Ready – All LDCs** Budget Billing for the supplier portion of the bill is not provided in Maryland for Bill Ready on a Utility Consolidated Bill. The utilities will continue to offer Budget Billing on the LDC portion of the bill. A supplier could always send a budget amount as the current charge. **Rate Ready** Potomac Edison will automatically place a supplier's portion on budget billing if that customer is on a budget bill for Potomac Edison charges.
Bill Ready Text (Regulatory and Other)	**PE – Potomac Edison** supports two NTE lines using ADD and/or OTH; 80 lines each **BGE / PEPCO / Delmarva** – will use NTE segments. Two lines will be mapped (80 characters each) for the ADD (ESP message) and 2 lines (80 characters each) for the OTH (Regulatory message). **Note**: Delmarva will support upon implementation of new CIS, until then Delmarva will allow up to 4 PID segments for text (80 char. Each)
How many detail lines of charges and text will print?	• **Potomac Edison - 7** • **Delmarva / PEPCO –** 25 (Note – PEPCO will support 10 until new CIS goes live) • **BGE –** Unlimited
Bill Ready – Sequencing Numbers	Print sequencing numbers must be unique and sequential within each 810. If print sequencing numbers are not unique and sequential, the billing party will determine the order on the bill (i.e., the 810 will not be rejected because the sequencing numbers are not unique). • BGE is the only utility that validates for uniqueness; however they print in the order the SAC line items are sent in the EDI 810. BGE does not print in order based on the Sequence Number in the SAC13
Cancel-Re-bill 867-810 Cross-Reference Example	This example is to clarify questions concerning the use of the cross-reference between the 867 and 810 Cancels since wording around the value for the 810 BIG05 field needs some additional explanation in order to be completely explicit. It reads, "The cross-reference number originally transmitted in the 867 in the BPT02 must be sent in the BIG05." MD has decided to implement the approach of having the BIG05 value on the cancel 810 contain the value that was in the original 867 BPT02 field. Listed below are several examples to further elaborate:

~~**Rate Ready – Cancel / Rebill due to usage**~~

	~~**867 BPT01 or 810 BIG08**~~	~~**867 BPT02**~~	~~**867 BPT09**~~	~~**810 BIG02**~~	~~**810 BIG05**~~	~~**810 REF*OI**~~
Utility sends Usage via 867	00	111				
Utility sends 810 invoice	00			301	111	
Utility cancels usage via 867	01	112	111			
Utility cancels original charge via 810	01			302	**111**	301
Utility sends restated charges via 867	00	113				
Utility sends restated charges via 810	00			303	113	

~~**Bill Ready - Cancel / Rebill due to usage**~~

	~~867 BPT01 or 810 BIG08~~	~~867 BPT02~~	~~867 BPT09~~	~~810 BIG02~~	~~810 BIG05~~	~~810 REF*OI~~
Utility sends Usage via 867	00	111				
Supplier sends 810 invoice	00			301	111	
Utility cancels usage via 867	01	112	111			
Supplier cancels original charge via 810	01			302	**111**	301
Utility sends restated charges via 867	00	113				
Supplier sends restated charges via 810	00			303	113	

~~**Bill Ready - Supplier Initiated cancellation (not related to usage)**~~

Note: Not all utilities have indicated support of Supplier initiated cancellations.

	~~867 BPT01 or 810 BIG08~~	~~867 BPT02~~	~~867 BPT09~~	~~810 BIG02~~	~~810 BIG05~~	~~810 REF*OI~~
Utility sends Usage via 867	00	111				
Supplier sends 810 invoice	00			301	111	
Supplier cancels original charge via 810	17			302	**111**	301
Supplier sends restated charges via 810	18			303	111	

•

~~**Rate Ready – Cancel / Rebill due to usage**~~

	~~867 BPT01 or 810 BIG08~~	~~867 BPT02~~	~~867 BPT09~~	~~810 BIG02~~	~~810 BIG05~~	~~810 REF*OI~~
Utility sends Usage via 867	00	111				
Utility sends 810 invoice	00			301	111	
Utility cancels usage via 867	01	112	111			
Utility cancels original charge via 810	01			302	**111**	301
Utility sends restated charges via 867	00	113				
Utility sends restated charges via 810	00			303	113	

Bill Ready - Cancel / Rebill due to usage

	867 BPT01 or 810 BIG08	**867 BPT02**	**867 BPT09**	**810 BIG02**	**810 BIG05**	**810 REF*OI**
Utility sends Usage via 867	00	111				
Supplier sends 810 invoice	00			301	111	
Utility cancels usage via 867	01	112	111			
Supplier cancels original charge via 810	01			302	**111**	301
Utility sends restated charges via 867	00	113				
Supplier sends restated charges via 810	00			303	113	

Bill Ready - Supplier Initiated cancellation (not related to usage)

Note: Not all utilities have indicated support of Supplier initiated cancellations.

	867 BPT01 or 810 BIG08	**867 BPT02**	**867 BPT09**	**810 BIG02**	**810 BIG05**	**810 REF*OI**
Utility sends Usage via 867	00	111				
Supplier sends 810 invoice	00			301	111	
Supplier cancels original charge via 810	17			302	**111**	301
Supplier sends restated charges via 810	18			303	111	

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

	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**

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

810 Invoice
X12 Structure

Functional Group ID=IN

Heading:

	Pos. No.	Seg. ID	Name	Req. Des.	Max.Use	Loop Repeat	Notes and Comments
Must Use	010	ST	Transaction Set Header	M	1		
Must Use	020	BIG	Beginning Segment for Invoice	M	1		
	030	NTE	Note/Special Instruction	O	100		
	050	REF	Reference Identification	O	12		
			LOOP ID – N1			200	
	070	N1	Name	O	1		
	130	ITD	Terms of Sale/Deferred Terms of Sale	O	>1		
	212	BAL	Balance Detail	O	>1		

Detail:

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

Summary:

	Pos. No.	Seg. ID	Name	Req. Des.	Max.Use	Loop Repeat	Notes and Comments
Must Use	010	TDS	Total Monetary Value Summary	M	1		
	070	CTT	Transaction Totals	O	1		n1
Must Use	080	SE	Transaction Set Trailer	M	1		

Transaction Set Notes

- Number of line items (CTT01) is the accumulation of the number of IT1 segments. If used, hash total (CTT02) is the sum of the value of quantities invoiced (IT102) for each IT1 segment.

Data Dictionary for 810 LDC Consolidated Bill

Appl Field	*Field Name*	*Description*	*EDI Segment*	*Related EDI Qualifier*	*Data Type*
		HEADER LEVEL BILL INFORMATION			
1	Bill Date	Date Bill was issued. For Bill Ready Scenarios, this will be the date the bill was created. For Rate Ready Scenarios, this will be the date the bill was issued.	BIG01		9(8)
2	Bill Number	Unique Number identifying this Bill	BIG02		X(22)
3	Cross Reference Number	The cross reference number originally transmitted in the 867 in the BPT02.	BIG05		X(30)
4	Bill Action Code	"FE" – Memorandum, Final Bill Customer account has finaled with the LDC. "ME" – Memorandum	BIG07		X(2)
5	Bill Purpose	"00" – Original "01" – Cancellation – Cancels an entire Bill "07" – Duplicate – For change of due date only "17" – Reversal (Used when cancellation not related to usage) Bill Ready Only "18" – Reissue (Used in combination with Reversal) Bill Ready Only	BIG08		X(2)
6	Text	Text for Messages from ESP to Customer (see gray box for max use)	NTE02	NTE01 = "ADD"	X(80)
7	Regulatory Text	Regulatory Text Messages to Customer (see gray box for max use)	NTE02	NTE01 = "OTH"	X(80)
8	Original Bill Number	The Bill Number (BIG02) from the Original 810 when sending a cancellation Bill.	REF02	BIG08=01 or 17 REF01 = "OI"	X(30)
9	ESP Account Number	Customer Account Number assigned by ESP	REF02	REF01 = "11"	X(30)
10	LDC Account Number	LDC Customer Account Number	REF02	REF01 = "12"	X(30)
10.2	LDC Account Number - unmetered	LDC Customer Account Number – Unmetered	REF03	N1: N101 = **8R** REF01 = **12**	X(80)
11	Old Account Number	Previous LDC Customer Account Number	REF02	REF01 = "45"	X(30)
12	Billing Cycle	Cycle on which the bill will be rendered. Cycle associated with account.	REF02	REF01 = "BF"	X(4)
13	Billing Type	Indicates the party that delivers the bill to the end use customer - LDC consolidated Billing (REF02="LDC")	REF02	REF01 = "BLT"	X(3)
14	Billing Calculation Method	Indicates party to calculate bill. - LDC calculates bill (REF02 = "LDC") - Each calculates their own portion (REF02 ="DUAL")	REF02	REF01 = "PC"	X(4)

15	LDC Name	LDC's Name	N102	N101 = "8S"	X(60)
16	LDC Duns	LDC's DUNS Number or DUNS+4 Number	N104	N101 = "8S"	X(13)
17	ESP Name	ESP's Name	N102	N101 = "SJ"	X(60)
18	ESP Duns	ESP's DUNS Number or DUNS+4 Number	N104	N101 = "SJ"	X(13)
18.3	Renewable Energy Provider Name	Renewable Energy Provider 's Name	N102	N1: N101 = **G7**	X(60)
18.4	Renewable Energy Provider Duns	Renewable Energy Provider 's DUNS Number or DUNS+4 Number	N104	N1: N101 = **G7** N103 = **1** or **9**	X(13)
19	Customer Name	Customer Name	N102	N101 = "8R"	X(35) Note: X(60) for MD
20	Store Number	Number assigned by and meaningful to the customer.	N104	N101 = "8R" N103 = "92"	X(20)
21	Due Date	Payment Due Date for Rate Ready only	ITD06		9(8)
22	Balance as a Result of Last Billing	Balance of previous period charges prior to applying payments and adjustments for the previous period billing.	BAL03	BAL01 = "P" BAL02 = "YB"	-9(13).99 Explicit Decimal
23	Balance Prior to Current Billing	This is the balance prior to this billing. If a customer is paid in total, this will be zero.	BAL03	BAL01 = "M" BAL02 = "J9"	-9(13).99 Explicit Decimal
24	Current Balance	Customer total outstanding balance (previous balance plus current charges)	BAL03	BAL01 = "M" BAL02 = "YB"	-9(13).99 Explicit Decimal
25	Budget Balance	Current Budget Balance including arrearages	BAL03	BAL01 = "Y" BAL02 = "YB"	-9(13).99 Explicit Decimal
ACCOUNT Level IT1 Loop (Used for 1. All Taxes and 2. Charges that are summarized by Account)					
26	Line Item Number	Sequential Line Item Counter	IT101		9(20)
27	Service	Indicates type of service. Will always reflect ELECTRIC	IT107	IT106 = "SV"	X(8)
28	Category of Charge	ACCOUNT – Indicates charges are summarized at an Account level.	IT109	IT108 = "C3"	X(7)
29	Tax Type	Account Level Taxes – Please see EDI Guideline for valid values.	TXI01		X(2)
30	Tax Amount	Amount of Tax	TXI02		9(8).99 Explicit Decimal
31	Tax Percent	Percentage of the Tax expressed as a decimal. Example: PA State Sales Tax .06	TXI03		9(1).9(4)
32	Tax Jurisdiction Code	Used to differentiate Rate Ready vs. Bill Ready and Actual Taxes vs. Budget Billed. Please see EDI guideline for valid codes.	TXI05	TXI04="CD"	X(4)

33	Tax Inclusion Flag	Identifies Tax Inclusion Status "A" – Tax should be added when summing the Bill total "O" = Tax should not be added when summing the Bill total	TXI07		X(1)
34	Print Sequencing Number	Determines placement of line items on bill	TXI10		9(2)
	PID LOOP within the ACCOUNT Level IT1 Loop				
35	PID Description	Text description for charges or as supporting text	PID05	PID01 = **F** PID03= **EU**	X(80)
36	PID Description Type	Indicates relative print location on bill R1 – Text Supporting Current Charges R2 – Additional Supporting Text	PID06		X(2)
37	PID Sequence Number	Determines relative placement of text on bill	PID07		9(2)
	END of PID LOOP				
38	Service Period Start	Service Period Starting Date	DTM02	DTM01 = "150"	X(8)
39	Service Period End	Service Period Ending Date	DTM02	DTM01 = "151"	X(8)
40	Subline Counter	Sequential Charge Line Item Counter. This segment is used for ANSI purposes and has no relevance in the application system.	SLN01	SLN03 = "A"	9(20)
41	Allowance or Charge Indicator	"A" – Allowance (Credit to the customer) "C" – Charge "N" – No Charge or Allowance; should be printed but ignored when summing the total	SAC01 Detail Position 230		X(1)
42	Charge Calculation Determinant	Used to differentiate Rate Ready vs. Bill Ready and Actual Charges vs. Budget Billed. Please see EDI guideline for valid codes.	SAC02		X(4)
43	Energy Charge Category	Code indicating the type of charge (See segment for Valid Values)	SAC04	SAC03="EU"	X(10)
44	Charge or Allowance Amount	Dollar amount (credit or debit) for the charge. If dollar amount is negative, the leading negative sign will be sent. If the dollar amount is positive, no leading sign is sent.	SAC05		-9(13)V99 Implied Decimal
45	Price Per Unit	ESP/LDC price per unit associated with the charge	SAC08		-9(5).9(6) Max 9 digits
46	Unit of Measure	Unit of measure of above consumption See EDI Guide for valid codes.	SAC09		X(2)
47	Quantity	Consumption or other "unit" for the charge.	SAC10		9(8).9(4)
48	Print Sequencing Number	Determines placement of line items on bill	SAC13		9(2)

49	Charge Description	Bill Ready: Text description for line item charge that will print on the customer's bill. Rate Ready: Text description of the line item charge (refer to SAC04).	SAC15		X(80)
RATE Level IT1 Loop (Used for charges that are summarized by Rate)					
60	Line Item Number	Sequential Line Item Counter	IT101		9(20)
61	Service	Indicates type of service. Will always reflect ELECTRIC	IT107	IT106 = "SV"	X(8)
62	Category of Charge	RATE – Indicates charges are summarized at a Rate level.	IT109	IT108 = "C3"	X(5)
63	LDC Rate Code	LDC Rate Code	REF02	REF01 = "NH"	X(30)
63.2	LDC Rate Subclass	LDC Rate Subclass – Used to provide further classification of a rate.	REF02	REF01="PR"	X(30)
64	ESP Rate Code	ESP Rate Code	REF02	REF01 = "RB"	X(30)
65	Service Period Start	Service Period Starting Date	DTM02	DTM01 = "150"	X(8)
66	Service Period End	Service Period Ending Date	DTM02	DTM01 = "151"	X(8)
67	Subline Counter	Sequential Charge Line Item Counter. This segment is used for ANSI purposes and has no relevance in the application system.	SLN01	SLN03 = "A"	9(20)
68	Allowance or Charge Indicator	"A" - Allowance (Credit to the customer) "C" - Charge "N" - No Charge or Allowance; should be printed but ignored when summing the total	SAC01 Detail Position 230		X(1)
69	Charge Calculation Determinant	Used to differentiate Rate Ready vs. Bill Ready and Actual Charges vs. Budget Billed. Please see EDI guideline for valid codes.	SAC02		X(4)
70	Energy Charge Category	Code indicating the type of charge (See segment for Valid Values)	SAC04	SAC03="EU"	X(10)
71	Charge or Allowance Amount	Dollar amount (credit or debit) for the charge. If dollar amount is negative, the leading negative sign will be sent. If the dollar amount is positive, no leading sign is sent.	SAC05		-9(13)V99 Implied Decimal
72	Price Per Unit	ESP/LDC price per unit associated with the charge	SAC08		-9(5).9(6) Max 9 digits
73	Unit of Measure	Unit of measure of above consumption. See EDI Guide for valid codes.	SAC09		X(2)
74	Quantity	Consumption or other "unit" for the charge. Not a total consumption.	SAC10		9(8).9(4)
75	Print Sequencing Number	Determines placement of line items on bill	SAC13		9(2)
76	Charge Description	Bill Ready: Text description for line item charge that will print on the customer's bill.	SAC15		X(80)

		Rate Ready: Text description of the line item charge (refer to SAC04).			
UNMET Level IT1 Loop (Used for charges that are unmetered)					
80	Line Item Number	Sequential Line Item Counter	IT101		9(20)
81	Service	Indicates type of service. Will always reflect ELECTRIC	IT107	IT106 = "SV"	X(8)
82	Category of Charge	UNMET - Indicates charges are for unmetered services.	IT109	IT108 = "C3"	X(5)
83	Service Period Start	Service Period Starting Date	DTM02	DTM01 = "150"	X(8)
84	Service Period End	Service Period Ending Date	DTM02	DTM01 = "151"	x(8)
85	Subline Counter	Sequential Charge Line Item Counter. This segment is used for ANSI purposes and has no relevance in the application system.	SLN01	SLN03 = "A"	9(20)
86	Allowance or Charge Indicator	"A" - Allowance (Credit to the customer) "C" - Charge "N" - No Charge or Allowance; should be printed but ignored when summing the total	SAC01 Detail Position 230		X(1)
87	Charge Calculation Determinant	Used to differentiate Rate Ready vs. Bill Ready and Actual Charges vs. Budget Billed. Please see EDI guideline for valid codes.	SAC02		X(4)
88	Energy Charge Category	Code indicating the type of charge (See segment for Valid Values)	SAC04	SAC03="EU"	X(10)
89	Charge or Allowance Amount	Dollar amount (credit or debit) for the charge. If dollar amount is negative, the leading negative sign will be sent. If the dollar amount is positive, no leading sign is sent.	SAC05		-9(13)V99 Implied Decimal
90	Price Per Unit	ESP/LDC price per unit associated with the charge	SAC08		-9(5).9(6) Max 9 digits
91	Unit of Measure	Unit of measure of above consumption See EDI Guide for valid codes.	SAC09		X(2)
92	Quantity	Consumption or other "unit" for the charge. Other unit may be the number of unmetered services.	SAC10		9(8).9(4)
93	Print Sequencing Number	Determines placement of line items on bill	SAC13		9(2)
94	Charge Description	Text description for line item charge that will print on the customer's bill	SAC15		X(80)
SUMMARY SECTION					
100	Actual Current Total	Total Bill Amount for non-billing party's portion of bill. This does not include arrearages. Even though this segment does not appear at the end of the transaction, it is expected to	TDS01		-9(13)V99 Implied Decimal

		include all amounts, including those that follow.			
101	Number of IT1 segments	Number of IT1 segments	CTT01		9(6)

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*810*000000001

Data Element Summary

	Ref. Des.	Data Element	Name	Attributes
Must Use	**ST01**	**143**	**Transaction Set Identifier Code** Code uniquely identifying a Transaction Set 810 Invoice	**M ID 3/3**
Must Use	**ST02**	**329**	**Transaction Set Control Number** Identifying control number that must be unique within the transaction set functional group assigned by the originator for a transaction set	**M AN 4/9**

Segment:	**BIG** **Beginning Segment for Invoice**
Position:	020
Loop:	
Level:	Heading
Usage:	Mandatory
Max Use:	1
Purpose:	To indicate the beginning of an invoice transaction set and transmit identifying numbers and dates
Syntax Notes:	
Semantic Notes:	**1** BIG01 is the invoice issue date. **2** BIG03 is the date assigned by the purchaser to purchase order. **3** BIG10 indicates the consolidated invoice number. When BIG07 contains code CI, BIG10 is not used.
Comments:	**1** BIG07 is used only to further define the type of invoice when needed.
PA Use:	Required
NJ Use:	Required **Note:** PSE&G will only process transactions with BIG08=00. All other 810s will be ignored (a 997 will be issued, but PSE&G will not process the 810 and PSE&G will not send an 824.
DE Use:	Required
MD Use:	Required
Example:	BIG*19980201*1998020112350000 1***2048392934504**ME*00

Data Element Summary

	Ref. Des.	Data Element	Name	Attributes	
Must Use	**BIG01**	**373**	**Date** Date (CCYYMMDD) Date the bill was issued (rate ready) or created (bill ready).	**M**	**DT 8/8**
Must Use	**BIG02**	**76**	**Invoice Number** Identifying number assigned by issuer Unique Number identifying the Bill	**M**	**AN 1/22**
Must Use	**BIG05**	**76**	**Release Number** Number identifying a release against a Purchase Order previously placed by the parties involved in the transaction The cross-reference number originally transmitted in the 867 in the BPT02 must be sent in the BIG05.	**0**	**AN 1/30**
Must Use	**BIG07**	**640**	**Transaction Type Code** Code specifying the type of transaction FE Memorandum, Final Bill This is to designate this is the final usage data being sent for this customer. Customer account has finaled with the utility or the customer has switched suppliers. Mandatory for Rate Ready Billing ME Memorandum	**O**	**ID 2/2**
Must Use	**BIG08**	**353**	**Transaction Set Purpose Code** Code identifying purpose of transaction set 00 Original 01 Cancellation Cancels an entire invoice 07 Duplicate This code will be used only in a Rate Ready scenario when the LDC changes the bill due date for the customer. The LDC will send an 810 to the ESP, the only things changing from the original 810 are the duplicate code and the due date. 17 Cancel, to be Reissued	**O**	**ID 2/2**

	Reversal – used when 810 cancellation is not related to usage. (Bill Ready only)
18	Reissue
	Used in combination with code 17 – Reversal, to re-bill the charges that were previously reversed. (Bill Ready only)

Segment:	**NTE Note/Special Instruction (ADD=Required Messages)**
Position:	030
Loop:	
Level:	Heading
Usage:	Optional
Max Use:	100
Purpose:	To transmit information in a free-form format, if necessary, for comment or special instruction
Syntax Notes:	
Semantic Notes:	
Comments:	**1** The NTE segment permits free-form information/data which, under ANSI X12 standard implementations, is not machine processable. The use of the NTE segment should therefore be avoided, if at all possible, in an automated environment.

Notes:	Used for required messages and notices
PA Use:	Optional for Bill Ready, not used for Rate Ready. If provided, will be printed on the bill. Can be repeated for up to maximum of four lines, 80 characters each. PPL EU & FirstEnergy will support a max of four NTE segments total. (Four 'ADD' or two 'ADD' & two 'OTH' segments. PECO does not support NTE*OTH segments.
NJ Use:	Not Used by PSEG or ACE, Optional for FirstEnergy as per PA use section above
DE Use:	Same as Delmarva MD
MD Use:	Optional for Bill Ready, not used for Rate Ready. If provided, will be printed on the bill. Can be repeated for up to maximum of two lines, 80 characters each. **Note:** Is supported by PE, BGE, Delmarva and PEPCO
Example:	NTE*ADD*ESP MESSAGES NTE*ADD*LINE TWO OF MESSAGES

Data Element Summary

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

Segment:	**NTE** **Note/Special Instruction (OTH=Regulatory Messages)**
Position:	030
Loop:	
Level:	Heading
Usage:	Optional
Max Use:	100
Purpose:	To transmit information in a free-form format, if necessary, for comment or special instruction
Syntax Notes:	
Semantic Notes:	
Comments:	**1** The NTE segment permits free-form information/data which, under ANSI X12 standard implementations, is not machine processable. The use of the NTE segment should therefore be avoided, if at all possible, in an automated environment.

Notes:	Used for required Regulatory messages and notices
PA Use:	Optional for bill ready, not used for rate ready. If provided, will be printed on the bill. Can be repeated for maximum of two lines, 80 characters each. PPL EU & FirstEnergy will support a max of four NTE segments total. (Four 'ADD' or two 'ADD' & two 'OTH' segments. PECO does not support NTE*OTH segments.
NJ Use:	Not Used by PSEG or ACE, Optional for FirstEnergy as per PA use section above
DE Use:	Same as Delmarva MD
MD Use:	Optional for Bill Ready, not used for Rate Ready. If provided, will be printed on the bill. Can be repeated for up to maximum of two lines, 80 characters each. **Note:** Is supported by PE, BGE, Delmarva and PEPCO only
Example:	NTE*OTH*REGULATORY REQUIRED MESSAGES OR NOTICES NTE*OTH*LINE TWO OF REGULATORY MESSAGES

Data Element Summary

	Ref. Des.	Data Element	Name	Attributes	
Must Use	**NTE01**	**363**	**Note Reference Code** Code identifying the functional area or purpose for which the note applies OTH — Other Instructions Regulatory-required messages or notices.	**O**	**ID 3/3**
Must Use	**NTE02**	**352**	**Description** A free-form description to clarify the related data elements and their content	**M**	**AN 1/80**

Segment:	**REF** **Reference Identification (OI=Original Invoice Number)**
Position:	050
Loop:	
Level:	Heading
Usage:	Optional
Max Use:	12
Purpose:	To specify identifying information
Syntax Notes:	**1** At least one of REF02 or REF03 is required. **2** If either C04003 or C04004 is present, then the other is required. **3** If either C04005 or C04006 is present, then the other is required.
Semantic Notes:	**1** REF04 contains data relating to the value cited in REF02.
Comments:	
PA Use:	Optional. This will eventually be a required field. If you can provide it immediately, please do so.
NJ Use:	PSE&G - Not used JCP&L - Optional Atlantic City Electric - requires a REF*OI segment if the transaction is a reversal (BIG08=17).
DE Use:	Same as Delmarva in MD
MD Use:	BGE – Required on a cancel (BIG08=01) or reversal (BIG08=17) 810. Not used on original (BIG08=00) or reissue (BIG08=18) 810. PEPCO & Delmarva Bill Ready –requires a REF*OI segment if the transaction is a reversal (BIG08=17). Other utilities: Optional
Example:	REF*OI*123456789019990102

Data Element Summary

	Ref. Des.	Data Element	Name	Attributes
Must Use	**REF01**	**128**	**Reference Identification Qualifier** Code qualifying the Reference Identification OI — Original Invoice Number Sent when BIG08 = 01 or 17. This field was originally sent in the BIG02 field on the original 810.	**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 (11=ESP Account Number)**
Position:	050
Loop:	
Level:	Heading
Usage:	Optional
Max Use:	12
Purpose:	To specify identifying information
Syntax Notes:	**1** At least one of REF02 or REF03 is required.
	2 If either C04003 or C04004 is present, then the other is required.
	3 If either C04005 or C04006 is present, then the other is required.
Semantic Notes:	**1** REF04 contains data relating to the value cited in REF02.
Comments:	

PA Use:	Required if it was previously provided to the LDC
NJ Use:	Same as PA
DE Use:	Same as PA
MD Use:	Same as PA
Example:	REF*11*395871290

Data Element Summary

	Ref. Des.	Data Element	Name	Attributes
Must Use	**REF01**	**128**	**Reference Identification Qualifier** Code qualifying the Reference Identification 11 Account Number ESP-assigned 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:	**REF Reference Identification (12=LDC Account Number)**
Position:	050
Loop:	
Level:	Heading
Usage:	Optional
Max Use:	12
Purpose:	To specify identifying information
Syntax Notes:	**1** At least one of REF02 or REF03 is required.
	2 If either C04003 or C04004 is present, then the other is required.
	3 If either C04005 or C04006 is present, then the other is required.
Semantic Notes:	**1** REF04 contains data relating to the value cited in REF02.
Comments:	
PA Use:	Required
NJ Use:	Required
DE Use:	Required
MD Use:	Required
Example:	REF*12*39205810578

Data Element Summary

	Ref. Des.	Data Element	Name	Attributes
Must Use	**REF01**	**128**	**Reference Identification Qualifier** Code qualifying the Reference Identification 12 Billing Account LDC-assigned account number for the end use customer. Must be identical to account number as it appears in the LDC system, excluding punctuation (spaces, dashes, etc.) Significant leading and trailing zeros must be included.	**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 (45=LDC Old Account Number)**
Position:	050
Loop:	
Level:	Heading
Usage:	Optional
Max Use:	12
Purpose:	To specify identifying information
Syntax Notes:	**1** At least one of REF02 or REF03 is required. **2** If either C04003 or C04004 is present, then the other is required. **3** If either C04005 or C04006 is present, then the other is required.
Semantic Notes:	**1** REF04 contains data relating to the value cited in REF02.
Comments:	
PA Use:	LDC to ESP: Required if account number has changed within the last 60 days. ESP to LDC: Not Used
NJ Use:	LDC to ESP: Required if account number has changed within the last 60 days. ESP to LDC: Not Used
DE Use:	LDC to ESP: Not used ESP to LDC: 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*12394801381

Data Element Summary

	Ref. Des.	Data Element	Name	Attributes
Must Use	**REF01**	**128**	**Reference Identification Qualifier** Code qualifying the Reference Identification 45 Old Account Number Previous LDC-assigned 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:	**REF** **Reference Identification (BF=LDC Bill Cycle)**
Position:	050
Loop:	
Level:	Heading
Usage:	Optional
Max Use:	12
Purpose:	To specify identifying information
Syntax Notes:	**1** At least one of REF02 or REF03 is required.
	2 If either C04003 or C04004 is present, then the other is required.
	3 If either C04005 or C04006 is present, then the other is required.
Semantic Notes:	**1** REF04 contains data relating to the value cited in REF02.
Comments:	

PA Use:	Rate Ready: Required Bill Ready: Not Used
NJ Use:	Same as PA
DE Use:	Same as PA
MD Use:	Same as PA
Example:	REF*BF*21

Data Element Summary

	Ref. Des.	Data Element	Name	Attributes
Must Use	**REF01**	**128**	**Reference Identification Qualifier** Code qualifying the Reference Identification BF Billing Center Identification Billing cycle. Cycle number when the billing will be rendered.	**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 (BLT=Billing Type)**
Position:	050
Loop:	
Level:	Heading
Usage:	Optional
Max Use:	12
Purpose:	To specify identifying information
Syntax Notes:	**1** At least one of REF02 or REF03 is required. **2** If either C04003 or C04004 is present, then the other is required. **3** If either C04005 or C04006 is present, then the other is required.
Semantic Notes:	**1** REF04 contains data relating to the value cited in REF02.
Comments:	
PA Use:	Required
NJ Use:	Required
DE Use:	Required
MD Use:	Required
Example:	REF*BLT*LDC

Data Element Summary

	Ref. Des.	Data Element	Name	Attributes
Must Use	**REF01**	**128**	**Reference Identification Qualifier** Code qualifying the Reference Identification BLT Billing Type Identifies the party that sends the bill to 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 When REF01 is BLT, valid values for REF02 are: LDC (meaning the utility [LDC] bills the customer)	**X AN 1/30**

	IF …				
	Bills the	**Calculates**		**Billing Party**	**Calc. Party**
	Customer	**LDC Portion**	**ESP Portion**	**REF*BLT**	**REF*PC**
LDC Rate Ready	LDC	LDC	LDC	LDC	LDC
LDC Bill Ready	LDC	LDC	ESP	LDC	DUAL

Be careful to use the UIG Standard Code Values LDC and ESP rather than the Pennsylvania versions of those codes.

Segment:	**REF** **Reference Identification (PC=Bill Calculator)**
Position:	050
Loop:	
Level:	Heading
Usage:	Optional
Max Use:	12
Purpose:	To specify identifying information
Syntax Notes:	**1** At least one of REF02 or REF03 is required.
	2 If either C04003 or C04004 is present, then the other is required.
	3 If either C04005 or C04006 is present, then the other is required.
Semantic Notes:	**1** REF04 contains data relating to the value cited in REF02.
Comments:	
PA Use:	Required
NJ Use:	Required
DE Use:	Required
MD Use:	Required
Example:	REF*PC*DUAL

Data Element Summary

	Ref. Des.	Data Element	Name	Attributes
Must Use	**REF01**	**128**	**Reference Identification Qualifier** Code qualifying the Reference Identification PC Production Code Identifies the party that calculates the bill.	**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 When REF01 is PC, valid values for REF02 are: LDC (meaning the utility [LDC] calculates the charges on the bill) DUAL (meaning each party calculates their own portion of the charges)	**X AN 1/30**

	IF …				
	Bills the Customer	**Calculates**		**Billing Party**	**Calc. Party**
		LDC Portion	**ESP Portion**	**REF*BLT**	**REF*PC**
LDC Rate Ready	LDC	LDC	LDC	LDC	LDC
LDC Bill Ready	LDC	LDC	ESP	LDC	DUAL

Be careful to use the UIG Standard Code Values LDC and ESP rather than the Pennsylvania versions of tho

Segment:	**N1** **Name (8S=LDC Name)**
Position:	070
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:	Required
NJ Use:	Required
DE Use:	Required
MD Use:	Required
Example:	N1*8S*LDC COMPANY*1*007909411

Data Element Summary

	Ref. Des.	Data Element	Name	Attributes
Must Use	**N101**	**98**	**Entity Identifier Code** Code identifying an organizational entity, a physical location, property or an individual 8S — Consumer Service Provider (CSP) 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**

Segment:	**N1** **Name (SJ=ESP Name)**
Position:	070
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:	Required
NJ Use:	Required
DE Use:	Required
MD Use:	Required
Example:	N1*SJ*ESP COMPANY*9*007909422ESP

Data Element Summary

	Ref. Des.	Data Element	Name	Attributes
Must Use	**N101**	**98**	**Entity Identifier Code** Code identifying an organizational entity, a physical location, property or an individual SJ — Service Provider 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**

Segment:	**N1** **Name (G7=Renewable Energy Provider Name)**
Position:	070
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**

Segment:	**N1 Name (8R=Customer Name)**
Position:	070
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:	Required
N J Use:	Required
DE Use:	Required
MD Use:	Required
Example:	N1*8R*JANE DOE*92*2010

Data Element Summary

	Ref. Des.	Data Element	Name	Attributes
Must Use	**N101**	**98**	**Entity Identifier Code** Code identifying an organizational entity, a physical location, property or an individual 8R — Consumer Service Provider (CSP) Customer End Use Customer	**M ID 2/3**
Must Use	**N102**	**93**	**Name** Free-form name Customer Name as it appears in the LDC System and on the Customer's Bill.	**X AN 1/60**
Optional	**N103**	**66**	**Identification Code Qualifier** Code designating the system/method of code structure used for Identification Code (67) 92 — Assigned by Buyer or Buyer's Agent Reference number meaningful to the customer.	**X ID 1/2**
Optional	**N104**	**67**	**Identification Code** Code identifying a party or other code Reference number meaningful to the customer. Note that this number is assigned by the LDC and may or may not be applicable to the ESP. This is only used in Rate Ready.	**X AN 2/80**

Segment:	**ITD** **Terms of Sale/Deferred Terms of Sale**
Position:	130
Loop:	
Level:	Heading
Usage:	Optional
Max Use:	>1
Purpose:	To specify terms of sale
Syntax Notes:	**1** If ITD03 is present, then at least one of ITD04 ITD05 or ITD13 is required. **2** If ITD08 is present, then at least one of ITD04 ITD05 or ITD13 is required. **3** If ITD09 is present, then at least one of ITD10 or ITD11 is required.
Semantic Notes:	**1** ITD15 is the percentage applied to a base amount used to determine a late payment charge.
Comments:	**1** If the code in ITD01 is "04", then ITD07 or ITD09 is required and either ITD10 or ITD11 is required; if the code in ITD01 is "05", then ITD06 or ITD07 is required.
PA Use:	Rate Ready: Required Bill Ready: Not Used
NJ Use:	Same as PA
DE Use:	Same as PA
MD Use:	Same as PA
Example:	ITD******19990220

Data Element Summary

	Ref. Des.	Data Element	Name	Attributes
Must Use	**ITD06**	**446**	**Terms Net Due Date** Date when total invoice amount becomes due Payment due date (if applicable). Format: CCYYMMDD	**O DT 8/8**

Segment:	**BAL** **Balance Detail (P*YB=Previous Balance)**
Position:	212
Loop:	
Level:	Heading
Usage:	Optional
Max Use:	>1
Purpose:	To identify the specific monetary balances associated with a particular account
Syntax Notes:	
Semantic Notes:	
Comments:	
PA Use:	Rate Ready: Required for Non-POR, optional for POR, except the cancel 810. Bill Ready: Not Used
NJ Use:	Rate Ready: Optional Bill Ready:.Optional for PSE&G, not used by other LDCs. **Note:** PSE&G will not validate or process this data..
DE Use:	Rate Ready: Optional Bill Ready: Not used
MD Use:	Rate Ready: Optional Bill Ready: Not Used
Example:	BAL*P*YB*500.00

Data Element Summary

	Ref. Des.	Data Element	Name		Attributes
Must Use	**BAL01**	**951**	**Balance Type Code** Code indicating the type of balance		**M ID 1/2**
			P	Previous Month Balance of previous period charges prior to applying payments and adjustments for the previous period billing	
Must Use	**BAL02**	**522**	**Amount Qualifier Code** Code to qualify amount		**M ID 1/3**
			YB	Actual Unpaid Principal Balance	
Must Use	**BAL03**	**782**	**Monetary Amount** Monetary amount		**M R 1/18**

PA Rate Ready Example:

A customer's last bill indicated that they owed a total of $500.00.
The customer paid $275.00 (i.e., they now owe $225.00).
The current billing charges are $100.00 (i.e., they now owe $325.00).
The customer has a budget balance of $400.00 after the current billing.

BAL*P*YB*500.00\	The amount the customer owed as a result of the previous bill prior to applying payments and adjustments for the previous period billing.
BAL*M*J9*225.00\	The amount the customer owed prior to the current billing – BAL*P*YB with payments and adjustments applied.
BAL*M*YB*325.00\	The customer's total outstanding balance. This is what the customer owes from previous billing periods plus the current billing charges.
BAL*Y*YB*400.00\	The customer's current outstanding budget balance.

Segment:	**BAL** **Balance Detail (M*J9=Balance prior to billing)**
Position:	212
Loop:	
Level:	Heading
Usage:	Optional
Max Use:	>1
Purpose:	To identify the specific monetary balances associated with a particular account
Syntax Notes:	
Semantic Notes:	
Comments:	
PA Use:	Rate Ready: **Required for Non-POR, optional for POR, except the cancel 810**. Bill Ready: Not Used
NJ Use:	Rate Ready: Optional Bill Ready: Optional for PSE&G. Not used by other LDCs. **Note:** PSE&G will not validate or process this data.
DE Use:	Rate Ready: Optional Bill Ready: Not used
MD Use:	Rate Ready: Optional Bill Ready: Not Used
Example:	BAL*M*J9*225.00

Data Element Summary

	Ref. Des.	Data Element	Name	Attributes
Must Use	**BAL01**	**951**	**Balance Type Code** Code indicating the type of balance M — Current Month This is the balance prior to this billing. If a customer is paid in total, this will be zero. **NJ Use:** This reflects the past due amount.	**M ID 1/2**
Must Use	**BAL02**	**522**	**Amount Qualifier Code** Code to qualify amount J9 — Beginning Balance	**M ID 1/3**
Must Use	**BAL03**	**782**	**Monetary Amount** Monetary amount	**M R 1/18**

Segment:	**BAL Balance Detail (M*YB=Balance after billing)**
Position:	212
Loop:	
Level:	Heading
Usage:	Optional
Max Use:	>1
Purpose:	To identify the specific monetary balances associated with a particular account
Syntax Notes:	
Semantic Notes:	
Comments:	
PA Use:	**Rate Ready: Required for Non-POR, optional for POR, except the cancel 810**.Bill Ready: Not Used
NJ Use:	Rate Ready: Required for all except the cancel 810. Bill Ready Note: Required by PSE&G – this value must equal the sum of the current charges (SAC05 where SAC04=GEN004) and adjustments (SAC05 where SAC04=ADJ000) Not used by other LDCs
DE Use:	Not Used
MD Use:	Rate Ready: Required for all except the cancel 810 Bill Ready: Not Used
Example:	BAL*M*YB*325.00

Data Element Summary

	Ref. Des.	Data Element	Name	Attributes
Must Use	**BAL01**	**951**	**Balance Type Code** Code indicating the type of balance M — Current Month The customer's total outstanding balance. This is what the customer owes from previous billing periods plus the current billing period charges.	**M ID 1/2**
Must Use	**BAL02**	**522**	**Amount Qualifier Code** Code to qualify amount YB — Actual Unpaid Principal Balance	**M ID 1/3**
Must Use	**BAL03**	**782**	**Monetary Amount** Monetary amount	**M R 1/18**

Segment:	**BAL** **Balance Detail (Y*YB=Deferred Plan balance)**
Position:	212
Loop:	
Level:	Heading
Usage:	Optional
Max Use:	>1
Purpose:	To identify the specific monetary balances associated with a particular account
Syntax Notes:	
Semantic Notes:	
Comments:	
PA Use:	Rate Ready: Duquesne and FirstEnergy service territories: Required for residential customers if customer is on a budget plan and EDC is paying on budget charges instead of actual charges. Not used in the cancel 810. Bill Ready: Not Used
NJ Use:	Not Used
DE Use:	Not Used
MD Use:	Rate Ready: Potomac Edison service territory: Required for residential customers if customer is on a budget plan. It is not used in other service territories. Bill Ready: Not Used
Example:	BAL*Y*YB*400.00

Data Element Summary

	Ref. Des.	Data Element	Name	Attributes
Must Use	**BAL01**	**951**	**Balance Type Code** Code indicating the type of balance Y — Year to Date Deferred plan balance.	**M ID 1/2**
Must Use	**BAL02**	**522**	**Amount Qualifier Code** Code to qualify amount YB — Actual Unpaid Principal Balance	**M ID 1/3**
Must Use	**BAL03**	**782**	**Monetary Amount** Monetary amount	**M R 1/18**

Segment:	**IT1** **Baseline Item Data (Invoice) (IT109=ACCOUNT loop)**
Position:	010
Loop:	IT1
Level:	Detail
Usage:	Optional
Max Use:	1
Purpose:	To specify the basic and most frequently used line item data for the invoice and related transactions
Syntax Notes:	**1** If any of IT102 IT103 or IT104 is present, then all are required. **2** If either IT106 or IT107 is present, then the other is required. **3** If either IT108 or IT109 is present, then the other is required. **4** If either IT110 or IT111 is present, then the other is required. **5** If either IT112 or IT113 is present, then the other is required. **6** If either IT114 or IT115 is present, then the other is required. **7** If either IT116 or IT117 is present, then the other is required. **8** If either IT118 or IT119 is present, then the other is required. **9** If either IT120 or IT121 is present, then the other is required. **10** If either IT122 or IT123 is present, then the other is required. **11** If either IT124 or IT125 is present, then the other is required.
Semantic Notes:	**1** IT101 is the purchase order line item identification.
Comments:	**1** Element 235/234 combinations should be interpreted to include products and/or services. See the Data Dictionary for a complete list of IDs. **2** IT106 through IT125 provide for ten different product/service IDs for each item. For example: Case, Color, Drawing No., U.P.C. No., ISBN No., Model No., or SKU.
Notes:	**ACCOUNT**: Used to convey charges that apply to the entire account. **Note:** If tax is the only information conveyed in this loop, the SLN and SAC segments should not be sent. **Note:** IT1 loops may be sent in any order. There may only be ONE IT1 ACCOUNT Loop
PA Use:	At least one type of loop (Account, Rate, or Unmetered) is Required.
NJ Use:	At least one type of loop (Account, Rate, or Unmetered) is Required **Note:** Please refer to the NJ Notes section in the beginning of the document for specifics on each LDC's Bill Ready data.
DE Use:	Delmarva - Bill Ready: The ACCOUNT loop is the only loop used.
MD Use:	At least one type of loop (Account, Rate, or Unmetered) is Required **Note:** Please refer to the MD Notes section in the beginning of the document for specifics on each LDC's Bill Ready data.
Examples:	IT1*1*****SV*ELECTRIC*C3*ACCOUNT

Data Element Summary

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

Must Use	**IT109**	**234**	**Product/Service ID**	**X**	**AN 1/48**
			Identifying number for a product or service		
			ACCOUNT – Indicates that charges pertain to the account level.		

NOTE: PECO has limitations on this segment; please refer to their documentation before mapping your 810.

Segment:	**TXI Tax Information**
Position:	040
Loop:	IT1
Level:	Detail
Usage:	Optional
Max Use:	10
Purpose:	To specify tax information
Syntax Notes:	**1** At least one of TXI02 TXI03 or TXI06 is required. **2** If either TXI04 or TXI05 is present, then the other is required. **3** If TXI08 is present, then TXI03 is required.
Semantic Notes:	**1** TXI02 is the monetary amount of the tax. **2** TXI03 is the tax percent expressed as a decimal. **3** TXI07 is a code indicating the relationship of the price or amount to the associated segment.
Comments:	

Notes:	Taxes that apply to the Account appear in this IT109=ACCOUNT loop.
PA Use:	Conditional – see PA Notes section for important information pertaining to the use of this segment. All taxes are provided in the TXI segment in the Account Loop (IT109=ACCOUNT). For Bill Ready, the Gross Receipts Tax must be provided by the non-billing party with TXI07 = O (Information Only) for residential customers only. The billing party will query the codes in TXI01 and print these at the appropriate place on the bill. The following taxes are valid in Pennsylvania: Gross Receipts (GR), County (CT) and State Sales Tax (ST)
NJ Use:	Not used in Bill Ready.
DE Use:	Not used
MD Use:	All taxes are provided in the TXI segment in the Account Loop (IT109=ACCOUNT) The following taxes are valid in Maryland: Local/County (CT) – subset of counties, and State Sales Tax (ST)
Example:	TXI*ST*2.70**CD*F950**A (Rate Ready Tax) TXI*ST*2.70**CD*D140**A***2 (Bill Ready Tax)

Data Element Summary

	Ref. Des.	Data Element	Name	Attributes	
Must Use	**TXI01**	**963**	**Tax Type Code** Code specifying the type of tax ST State Sales Tax CT County Tax GR Gross Receipts Tax	**M**	**ID 2/2**
Must Use	**TXI02**	**782**	**Monetary Amount** Monetary amount	**X**	**R 1/18**
Optional	**TXI03**	**954**	**Percent** Percentage expressed as a decimal Present as **a decimal**, e.g., 6% will be expressed as .06	**X**	**R 1/10**
Must Use	**TXI04**	**955**	**Tax Jurisdiction Code Qualifier** Code identifying the source of the data used in tax jurisdiction code CD Customer Defined	**X**	**ID 2/2**
Must Use	**TXI05**	**956**	**Tax Jurisdiction Code** Code identifying the taxing jurisdiction D140 Bill Ready Actual Tax - Customer is not budget billed. F950 Rate Ready – Actual Tax	**X**	**AN 1/10**

			H151 Rate Ready – Budget Billed Tax		
Must Use	**TXI07**	**662**	**Relationship Code** Code indicating the relationship between entities A Add The amount in the TXI02 will be added when summing the invoice total. O Information Only The amount in the TXI02 will be ignored when summing the invoice total.	**O**	**ID 1/1**
Optional	**TXI10**	**350**	**Assigned Identification** Alphanumeric characters assigned for differentiation within a transaction set Used to assign a print sequencing number to determine the order that the line item will appear on the bill.	**O**	**AN 1/20**

Segment: **PID** **Product/Item Description**
Position: 060
Loop: PID
Level: Detail
Usage: Optional
Max Use: 1
Purpose: To describe a product or process in coded or free-form format
Syntax Notes:
1 If PID04 is present, then PID03 is required.
2 At least one of PID04 or PID05 is required.
3 If PID07 is present, then PID03 is required.
4 If PID08 is present, then PID04 is required.
5 If PID09 is present, then PID05 is required.

Semantic Notes:
1 Use PID03 to indicate the organization that publishes the code list being referred to.
2 PID04 should be used for industry-specific product description codes.
3 PID08 describes the physical characteristics of the product identified in PID04. A "Y" indicates that the specified attribute applies to this item; an "N" indicates it does not apply. Any other value is indeterminate.
4 PID09 is used to identify the language being used in PID05.

Comments:
1 If PID01 equals "F", then PID05 is used. If PID01 equals "S", then PID04 is used. If PID01 equals "X", then both PID04 and PID05 are used.
2 Use PID06 when necessary to refer to the product surface or layer being described in the segment.
3 PID07 specifies the individual code list of the agency specified in PID03.

Notes: Used to provide required IT1 level billing messages.

PA Use: Not Used

NJ Use: Not used In Rate Ready
Bill Ready: Conditional
Atlantic City Electric – used for ESP bill messaging
PSE&G – Required to convey the TPS price on the consolidated customer bill for residential customers, C&I optional. See New Jersey Notes Section. PSE&G will support up to 60 chars in PID05 when PID06=R1 or R2 and PSE&G will support up to 50 PID loops for ESP bill messaging
JCP&L – Not Used

DE Use: Not used

MD Use: Not Used

Example: PID*F**EU**THIS IS SAMPLE TEXT*R1*01
PID*F**EU** ENERGY CHARGE-60KWH@0.099833 PER KWH*R1*01 (PSE&G)

Data Element Summary

	Ref. Des.	Data Element	Name	Attributes
Must Use	**PID01**	**349**	**Item Description Type**	**M ID 1/1**
			Code indicating the format of a description	
			F Free-form	
Must Use	**PID03**	**559**	**Agency Qualifier Code**	**X ID 2/2**
			Code identifying the agency assigning the code values	
			EU Electric Utilities	
Must Use	**PID05**	**352**	**Description**	**X AN 1/80**
			A free-form description to clarify the related data elements and their content	
Must Use	**PID06**	**752**	**Surface/Layer/Position Code**	**O ID 2/2**
			Code indicating the product surface, layer, or position that is being described	
			R1 Relative Position 1	
			R2 Relative Position 2	

Optional	**PID07**	**822**	**Source Subqualifier**	**O**	**AN 1/15**
			A reference that indicates the table or text maintained by the Source Qualifier Relative sequence number for printing **Note:** Required by PSE&G if segment is sent		

Segment:	**DTM** **Date/Time Reference (150=Service Period Start)**
Position:	150
Loop:	IT1
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:	
PA Use:	Required – Must match the service period dates in PTD*SU loop (Metered) or PTD*BC loop (Unmetered)from the 867 transaction.
NJ Use:	Same as PA **Note:** PSE&G will validate this field (must match the service period start date in the 867 transaction). Atlantic City Electric will NOT validate this field.
DE Use:	Same as PA **Note:** Delmarva will NOT validate this field.
MD Use:	Same as PA **Note:** Delmarva and PEPCO will NOT validate this field. BGE will validate this field
Example:	DTM*150*19990102

Data Element Summary

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

Segment: **DTM** **Date/Time Reference (151=Service Period End)**

Position: 150
Loop: IT1
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:

PA Use:	Required – Must match the service period dates in PTD*SU loop (Metered) or PTD*BC loop (Unmetered)from the 867 transaction.
NJ Use:	Same as PA **Note:** PSE&G will validate this field (must match the service period end date in the 867 transaction). Atlantic City Electric will NOT validate this field.
DE Use:	Same as PA **Note:** Delmarva will NOT validate this field.
MD Use:	Same as PA **Note:** Delmarva and PEPCO will NOT validate this field. BGE will validate this field
Example:	DTM*151*19990201

Data Element Summary

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

Segment:	**SLN** **Subline Item Detail**
Position:	200
Loop:	SLN
Level:	Detail
Usage:	Optional
Max Use:	1
Purpose:	To specify product subline detail item data
Syntax Notes:	**1** If either SLN04 or SLN05 is present, then the other is required. **2** If SLN07 is present, then SLN06 is required. **3** If SLN08 is present, then SLN06 is required. **4** If either SLN09 or SLN10 is present, then the other is required. **5** If either SLN11 or SLN12 is present, then the other is required. **6** If either SLN13 or SLN14 is present, then the other is required. **7** If either SLN15 or SLN16 is present, then the other is required. **8** If either SLN17 or SLN18 is present, then the other is required. **9** If either SLN19 or SLN20 is present, then the other is required. **10** If either SLN21 or SLN22 is present, then the other is required. **11** If either SLN23 or SLN24 is present, then the other is required. **12** If either SLN25 or SLN26 is present, then the other is required. **13** If either SLN27 or SLN28 is present, then the other is required.
Semantic Notes:	**1** SLN01 is the identifying number for the subline item. **2** SLN02 is the identifying number for the subline level. The subline level is analogous to the level code used in a bill of materials. **3** SLN03 is the configuration code indicating the relationship of the subline item to the baseline item. **4** SLN08 is a code indicating the relationship of the price or amount to the associated segment.
Comments:	**1** See the Data Element Dictionary for a complete list of IDs. **2** SLN01 is related to (but not necessarily equivalent to) the baseline item number. Example: 1.1 or 1A might be used as a subline number to relate to baseline number 1. **3** SLN09 through SLN28 provide for ten different product/service IDs for each item. For example: Case, Color, Drawing No., U.P.C. No., ISBN No., Model No., or SKU.
Notes:	The IT1/SLN segment (Position 200) is used to overcome the limitation of 25 IT1/SAC loops (Position 180). Each SLN loop will only contain one SAC. Multiple charges/allowances require multiple SLN loops. **Note:** If tax is the only information conveyed in this loop, the SLN and SAC segments should not be sent.
PA Use:	Required if sending any SAC segments
NJ Use:	Required if sending any SAC segments
DE Use:	Required if sending any SAC segments
MD Use:	Required if sending any SAC segments
Example:	SLN*1**A

Data Element Summary

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

Example:
IT1, TXI, TXI, DTM, DTM, SLN, SAC, SLN, SAC, SLN, SAC

Segment: **SAC** **Service, Promotion, Allowance, or Charge Information**
Position: 230
Loop: SLN
Level: Detail
Usage: Optional
Max Use: 25
Purpose: To request or identify a service, promotion, allowance, or charge; to specify the amount or percentage for the service, promotion, allowance, or charge

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

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

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

Notes:	Each SLN loop will contain only one SLN and one SAC. Multiple charges/allowances require multiple SLN loops.
PA Use:	Required SAC08, 09, 10, 13, 15 are conditional, they may be provided if the charge in the SAC05 is based on a rate. The SAC05 is mandatory in all cases. The SAC13 is mandatory for PECO. PA LDC Bill Ready utilities do not validate on, nor do they use the SAC08, SAC09, SAC10 for bill print purposes. SAC15 lengths: • PECO allows 80 characters. • PPL EU allows 40 • First Energy allows 80 characters. Note: SAC03/SAC04 are only used for Rate Ready.
NJ Use:	Rate Ready: Same as PA Bill Ready: JCP&L will follow requirements of PA for First Energy. PSE&G - SAC01, 02, 03, 04, 05 are required. SAC04 is required. ADJ000, GEN004 are valid values. Does not print information sent in the SAC15, uses PID segment. (See New Jersey Notes section) Atlantic City Electric - Requires SAC01 to determine charge type, SAC02 for charge type, SAC05 for the amount, SAC13 for sequencing, and SAC15 for the description. ACE will support 47 characters in the SAC15 field.

	ACE recommends sending SAC04. If it is not present, ACE will assume GTC004. The SAC04 values may be used to categorize charges if ACE bills the customer via EDI. Will ignore SAC08, SAC09, SAC10 **Note**: in NJ, the SAC15 must be sent for residential customers, C&I optional. (See New Jersey Notes section)
DE Use:	Delmarva (Delmarva) - Same as Delmarva MD
MD Use:	*Rate Ready:* **Potomac Edison:** Same as PA *Bill Ready:* **PEPCO & Delmarva:** Requires SAC01 to determine charge type, SAC02 for charge type, SAC05 for the amount, SAC13 for sequencing, and SAC15 for the description. PEPCO will support 47 characters in the SAC15 field. PEPCO recommends sending SAC04. If it is not present, PEPCO will assume GTC004. The SAC04 values may be used to categorize charges if PEPCO bills the customer via EDI. Will ignore SAC08, SAC09, SAC10. **BGE:** BGE requires SAC01 to determine charge type, SAC02 for charge type, SAC05 for the amount, SAC13 for sequencing, and SAC15 for the description. SAC04 is unused (will be ignored if sent). As the bill is a split page format, BGE will accept all 80 characters of the SAC15 segment, however BGE only has room to display the first 18 characters on the bill. The following fields are optional: SAC08 for the rate, SAC09 for the unit code, SAC10 for the quantity of units
Example:	Bill Ready: SAC*C*D140***500***5.00*MO*1***2**CUSTOMER CHARGES: $5.00 SAC*C*D140***599***0.099833*KH*60***1**ENERGY CHARGE-60KWH@0.099833 PER KWH (ACE & JCP&L) Rate Ready: SAC*C*F950*EU*BAS001*500***5.00*MO*1*****CUSTOMER CHARGE

Data Element Summary

	Ref. Des.	Data Element	Name		Attributes	
Must Use	SAC01	248	**Allowance or Charge Indicator**		M	ID 1/1
			Code which indicates an allowance or charge for the service specified			
			A	Allowance		
			C	Charge		
			N	No Allowance or Charge The amount in the SAC05 will be ignored when summing the invoice total.		
Must Use	SAC02	1300	**Service, Promotion, Allowance, or Charge Code**		X	ID 4/4
			D140	Bill Ready – Actual Charges		
			F950	Rate Ready – Actual Charges		
			H151	Rate Ready – Budget Billed Charges		
Conditional	SAC03	559	**Agency Qualifier Code (Used for Rate Ready Only)**		X	ID 2/2
			EU	Electric Utilities		
Conditional	SAC04	1301	**Energy Charges**		X	AN 1/10
			ADJ000	Adjustments / Payments (PSE&G only)		
			ADJ002	Adjustment		
			BAS001	Customer Charge		
			BUD001	Current Budget Charge		
			DMD001	Demand Charge		
			GEN002	Generation Charge – Measured		
			GEN003	Generation Charge – Adjusted		
			GEN004	Generation Charge – Billed		

GTC002	Generation/Transmission Charge – Measured
GTC003	Generation/Transmission Charge – Adjusted
GTC004	Generation/Transmission Charge – Billed
GTC005	Generation/Transmission Charge – On Peak
GTC006	Generation/Transmission Charge – Off Peak
GTC007	Energy Charge – Generation
GTC008	Generation/Transmission –On Peak Demand
GTC009	Maximum Demand Generation Charge
GTC010	Generation/Transmission Charge – Int Peak
LPC001	Late Payment Charge
ODL001	Outdoor Area Light Charge
TRN002	Transmission Charge – Measured
TRN003	Transmission Charge – Adjusted
TRN004	Transmission Charge – Billed

Must Use **SAC05** **610** **Amount** **O** **N2 1/15**
Monetary amount

This field stands on its own and will be signed if it is negative. The SAC01is NOT used to determine the sign in the SAC05.

Conditional **SAC08** **118** **Rate** **O** **R 1/9**
Rate expressed in the standard monetary denomination for the currency specified

Conditional **SAC09** **355** **Unit or Basis for Measurement Code** **X** **ID 2/2**
Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken

99	Watt
K1	Kilowatt Demand (kW) Represents potential power load measured at predetermined intervals
K2	Kilovolt Amperes Reactive Demand (kVAR) Reactive power that must be supplied for specific types of customer's equipment; billable when kilowatt demand usage meets or exceeds a defined parameter
K3	Kilovolt Amperes Reactive Hour (kVARH) Represents actual electricity equivalent to kilowatt hours; billable when usage meets or exceeds defined parameters
K4	Kilovolt Amperes (KVA)
KH	Kilowatt Hour (kWh)
MO	Months

Conditional **SAC10** **380** **Quantity** **X** **R 1/15**
Numeric value of quantity

Conditional **SAC13** **127** **Reference Identification** **X** **AN 1/30**
Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier

Used to assign a print sequencing number to determine the order that the line item will appear on the bill. Not used for Rate Ready billing.

NOTE: SAC13 is required for PECO in PA.

Conditional **SAC15** **352** **Description** **X** **AN 1/80**
A free-form description to clarify the related data elements and their content

Segment:	**IT1** **Baseline Item Data (Invoice) (IT109=RATE Loop)**
Position:	010
Loop:	IT1
Level:	Detail
Usage:	Optional
Max Use:	1
Purpose:	To specify the basic and most frequently used line item data for the invoice and related transactions
Syntax Notes:	**1** If any of IT102 IT103 or IT104 is present, then all are required. **2** If either IT106 or IT107 is present, then the other is required. **3** If either IT108 or IT109 is present, then the other is required. **4** If either IT110 or IT111 is present, then the other is required. **5** If either IT112 or IT113 is present, then the other is required. **6** If either IT114 or IT115 is present, then the other is required. **7** If either IT116 or IT117 is present, then the other is required. **8** If either IT118 or IT119 is present, then the other is required. **9** If either IT120 or IT121 is present, then the other is required. **10** If either IT122 or IT123 is present, then the other is required. **11** If either IT124 or IT125 is present, then the other is required.
Semantic Notes:	**1** IT101 is the purchase order line item identification.
Comments:	**1** Element 235/234 combinations should be interpreted to include products and/or services. See the Data Dictionary for a complete list of IDs. **2** IT106 through IT125 provide for ten different product/service IDs for each item. For example: Case, Color, Drawing No., U.P.C. No., ISBN No., Model No., or SKU.

Notes:	**RATE:** Used to convey charges that apply to the rate level **Note:** IT1 loops may be sent in any order. **Note:** The Use for the various segments in this loop reflect if the loop is used.
PA Use:	At least one type of loop (Account, Rate, or Unmetered) is Required. **NOTE:** PECO has limitations on this segment, please refer to their documentation before mapping your 810. The RATE loop is not valid in FirstEnergy territories.
NJ Use:	At least one type of loop (Account, Rate, or Unmetered) is Required **Note:** The RATE loop is not valid in JCP&L, PSE&G and Atlantic City Electric territories.
DE Use:	The RATE loop is not valid for Delaware.
MD Use:	Supported ONLY by BGE
Examples:	IT1*1*****SV*ELECTRIC*C3*RATE

Data Element Summary

	Ref. Des.	Data Element	Name	Attributes	
Must Use	**IT101**	**350**	**Assigned Identification** Alphanumeric characters assigned for differentiation within a transaction set Sequential Line item counter	**O**	**AN 1/20**
Must Use	**IT106**	**235**	**Product/Service ID Qualifier** Code identifying the type/source of the descriptive number used in Product/Service ID (234) SV Service Rendered	**X**	**ID 2/2**
Must Use	**IT107**	**234**	**Product/Service ID** Identifying number for a product or service ELECTRIC	**X**	**AN 1/48**
Must Use	**IT108**	**235**	**Product/Service ID Qualifier** Code identifying the type/source of the descriptive number used in Product/Service ID (234) C3 Classification	**X**	**ID 2/2**
Must Use	**IT109**	**234**	**Product/Service ID** Identifying number for a product or service RATE - Indicates that charges are summarized at a rate level.	**X**	**AN 1/48**

Segment: **REF** **Reference Identification (NH=LDC Rate Class)**

Position:	120
Loop:	IT1
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:	Rate Ready: Not Used Bill Ready: Optional in PECO territory. If ESP wants their charges to print with a specific PECO rate, they should send this segment; otherwise, it is not required. This may only be used in the IT109="RATE" loop.
NJ Use:	Not Used
DE Use:	Not Used
MD Use:	Not Used
Example:	REF*NH*RS1

Data Element Summary

	Ref. Des.	Data Element	Name	X12 Attributes
Must Use	**REF01**	**128**	**Reference Identification Qualifier** Code qualifying the Reference Identification NH — Rate Card Number Identifies a LDC rate class or tariff	**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 (PR=LDC Rate Subclass)**
Position:	120
Loop:	IT1
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:	Rate Ready: Not Used Bill Ready: Only supported by PECO. If ESP is sending charges in the IT109=”RATE” loop for PECO, this is required. This may only be used in the IT109=”RATE” loop.
NJ Use:	Not Used
DE Use:	Not Used
MD Use:	Not Used
Example:	REF*PR*123

Data Element Summary

	Ref. Des.	Data Element	Name	X12 Attributes	
Must Use	**REF01**	**128**	**Reference Identification Qualifier** Code qualifying the Reference Identification	**M**	**ID 2/3**
			PR — Price Quote Number LDC Rate Subclass – Used to provide further classification of a rate		
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 (RB=ESP Rate Code)**
Position:	120
Loop:	IT1
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:	Rate Ready: Optional when IT109 = RATE Bill Ready: Not Used
NJ Use:	Same as PA
DE Use:	The RATE loop is not valid for Delaware.
MD Use:	Not relevant since BGE is only utility to allow this loop, and they do not support Rate Ready.
Example:	REF*RB*A29

Data Element Summary

	Ref. Des.	Data Element	Name	Attributes
Must Use	**REF01**	**128**	**Reference Identification Qualifier** Code qualifying the Reference Identification RB ESP Rate Code for the 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 (150=Service Period Start)**
Position: 150
Loop: IT1
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:

PA Use:	Required – Must match the service period dates in PTD*SU loop (Metered) or PTD*BC loop (Unmetered) from the 867 transaction.
NJ Use:	Same as PA
DE Use:	The RATE loop is not valid for Delaware
MD Use:	BGE - Required – Must match the service period dates in PTD*SU loop from the 867 transaction. Potomac Edison, Delmarva, PEPCO – do not support RATE loop
Example:	DTM*150*19990102

Data Element Summary

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

Segment: **DTM** **Date/Time Reference (151=Service Period End)**
Position: 150
Loop: IT1
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:

PA Use:	Required – Must match the service period dates in PTD*SU loop (Metered) or PTD*BC loop (Unmetered)from the 867 transaction.
NJ Use:	Same as PA
DE Use:	The RATE loop is not valid for Delaware
MD Use:	BGE - Required – Must match the service period dates in PTD*SU loop from the 867 transaction. Potomac Edison, Delmarva, PEPCO – do not support RATE loop
Example:	DTM*151*19990201

Data Element Summary

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

Segment:	**SLN** **Subline Item Detail**
Position:	200
Loop:	SLN
Level:	Detail
Usage:	Optional
Max Use:	1
Purpose:	To specify product subline detail item data
Syntax Notes:	**1** If either SLN04 or SLN05 is present, then the other is required. **2** If SLN07 is present, then SLN06 is required. **3** If SLN08 is present, then SLN06 is required. **4** If either SLN09 or SLN10 is present, then the other is required. **5** If either SLN11 or SLN12 is present, then the other is required. **6** If either SLN13 or SLN14 is present, then the other is required. **7** If either SLN15 or SLN16 is present, then the other is required. **8** If either SLN17 or SLN18 is present, then the other is required. **9** If either SLN19 or SLN20 is present, then the other is required. **10** If either SLN21 or SLN22 is present, then the other is required. **11** If either SLN23 or SLN24 is present, then the other is required. **12** If either SLN25 or SLN26 is present, then the other is required. **13** If either SLN27 or SLN28 is present, then the other is required.
Semantic Notes:	**1** SLN01 is the identifying number for the subline item. **2** SLN02 is the identifying number for the subline level. The subline level is analogous to the level code used in a bill of materials. **3** SLN03 is the configuration code indicating the relationship of the subline item to the baseline item. **4** SLN08 is a code indicating the relationship of the price or amount to the associated segment.
Comments:	**1** See the Data Element Dictionary for a complete list of IDs. **2** SLN01 is related to (but not necessarily equivalent to) the baseline item number. Example: 1.1 or 1A might be used as a subline number to relate to baseline number 1. **3** SLN09 through SLN28 provide for ten different product/service IDs for each item. For example: Case, Color, Drawing No., U.P.C. No., ISBN No., Model No., or SKU.

Notes:	The IT1/SLN segment (Position 200) is used to overcome the limitation of 25 IT1/SAC loops (Position 180). Each SLN loop will only contain one SAC. Multiple charges/allowances require multiple SLN loops.
PA Use:	Required
NJ Use:	Required
DE Use:	The RATE loop is not valid for Delaware
MD Use:	BGE - Required if sending any SAC segments Potomac Edison, Delmarva, PEPCO – do not support RATE loop
Example:	SLN*1**A

Data Element Summary

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

Example:
IT1, REF, DTM, DTM, SLN, SAC, SLN, SAC, SLN, SAC

Segment:	**SAC** **Service, Promotion, Allowance, or Charge Information**
Position:	230
Loop:	SLN
Level:	Detail
Usage:	Optional
Max Use:	25
Purpose:	To request or identify a service, promotion, allowance, or charge; to specify the amount or percentage for the service, promotion, allowance, or charge
Syntax Notes:	**1** At least one of SAC02 or SAC03 is required. **2** If either SAC03 or SAC04 is present, then the other is required. **3** If either SAC06 or SAC07 is present, then the other is required. **4** If either SAC09 or SAC10 is present, then the other is required. **5** If SAC11 is present, then SAC10 is required. **6** If SAC13 is present, then at least one of SAC02 or SAC04 is required. **7** If SAC14 is present, then SAC13 is required. **8** If SAC16 is present, then SAC15 is required.
Semantic Notes:	**1** If SAC01 is "A" or "C", then at least one of SAC05, SAC07, or SAC08 is required. **2** SAC05 is the total amount for the service, promotion, allowance, or charge. If SAC05 is present with SAC07 or SAC08, then SAC05 takes precedence. **3** SAC08 is the allowance or charge rate per unit. **4** SAC10 and SAC11 is the quantity basis when the allowance or charge quantity is different from the purchase order or invoice quantity. SAC10 and SAC11 used together indicate a quantity range, which could be a dollar amount, that is applicable to service, promotion, allowance, or charge. **5** SAC13 is used in conjunction with SAC02 or SAC04 to provide a specific reference number as identified by the code used. **6** SAC14 is used in conjunction with SAC13 to identify an option when there is more than one option of the promotion. **7** SAC16 is used to identify the language being used in SAC15.
Comments:	**1** SAC04 may be used to uniquely identify the service, promotion, allowance, or charge. In addition, it may be used in conjunction to further the code in SAC02. **2** In some business applications, it is necessary to advise the trading partner of the actual dollar amount that a particular allowance, charge, or promotion was based on to reduce ambiguity. This amount is commonly referred to as "Dollar Basis Amount". It is represented in the SAC segment in SAC10 using the qualifier "DO" - Dollars in SAC09.

Notes:	Each SLN loop will contain only one SLN and one SAC. Multiple charges/allowances require multiple SLN loops.
PA Use:	Required SAC08, 09, 10, 13, 15 are conditional, they may be provided if the charge in the SAC05 is based on a rate. The SAC05 is mandatory in all cases. The SAC13 is mandatory for PECO. PA LDC Bill Ready utilities do not validate on, nor do they use the SAC08, SAC09, SAC10 for bill print purposes. SAC15 lengths: • PECO allows 80 characters. • PPL EU allows 40 Note: SAC03/SAC04 are only used for Rate Ready. The RATE loop is not valid in FirstEnergy territories.
NJ Use:	Atlantic City Electric, JCP&L and PSE&G – do not support RATE loop.
DE Use:	The RATE loop is not valid for Delaware
MD Use:	BGE – Same fields are required as defined in the ACCOUNT loop for MD Potomac Edison, Delmarva, PEPCO – do not support RATE loop
Example:	<u>Bill Ready:</u> SAC*C*D140***4539***.03678*KH*1234***1**GENERATION: 1234 KWH AT 3.678¢ PER KWH

	Rate Ready: SAC*C*F950*EU*GEN004*4539***.03678*KH*1234*****GENERATION CHARGE

Data Element Summary

	Ref. Des.	Data Element	Name		Attributes	
Must Use	**SAC01**	**248**	**Allowance or Charge Indicator**		**M**	**ID 1/1**
			Code which indicates an allowance or charge for the service specified			
			A	Allowance		
			C	Charge		
			N	No Allowance or Charge The amount in the SAC05 will be ignored when summing the invoice total.		
Must Use	**SAC02**	**1300**	**Service, Promotion, Allowance, or Charge Code**		**X**	**ID 4/4**
			D140	Bill Ready – Actual Charges		
			F950	Rate Ready – Actual Charges		
			H151	Rate Ready – Budget Billed Charges		
Conditional	**SAC03**	**559**	**Agency Qualifier Code (Used for Rate Ready Only)**		**X**	**ID 2/2**
			EU	Electric Utilities		
Conditional	**SAC04**	**1301**	**Energy Charges**		**X**	**AN 1/10**
			ADJ002	Adjustment		
			BAS001	Customer Charge		
			BUD001	Current Budget Charge		
			DMD001	Demand Charge		
			GEN002	Generation Charge – Measured		
			GEN003	Generation Charge – Adjusted		
			GEN004	Generation Charge – Billed		
			GTC002	Generation/Transmission Charge – Measured		
			GTC003	Generation/Transmission Charge – Adjusted		
			GTC004	Generation/Transmission Charge – Billed		
			GTC005	Generation/Transmission Charge – On Peak		
			GTC006	Generation/Transmission Charge – Off Peak		
			LPC001	Late Payment Charge		
			TRN002	Transmission Charge – Measured		
			TRN003	Transmission Charge – Adjusted		
			TRN004	Transmission Charge – Billed		
Must Use	**SAC05**	**610**	**Amount**		**O**	**N2 1/15**
			Monetary amount This field stands on its own and will be signed if it is negative. The SAC01is NOT used to determine the sign in the SAC05.			
Conditional	**SAC08**	**118**	**Rate**		**O**	**R 1/9**
			Rate expressed in the standard monetary denomination for the currency specified			
Conditional	**SAC09**	**355**	**Unit or Basis for Measurement Code**		**X**	**ID 2/2**
			Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken			
			99	Watt		
			K1	Kilowatt Demand (kW) Represents potential power load measured at predetermined intervals		
			K2	Kilovolt Amperes Reactive Demand (kVAR) Reactive power that must be supplied for specific types of customer's equipment; billable when kilowatt demand usage meets or exceeds a defined parameter		
			K3	Kilovolt Amperes Reactive Hour (kVARH) Represents actual electricity equivalent to kilowatt hours; billable when usage meets or exceeds defined parameters		

			K4 Kilovolt Amperes (KVA) KH Kilowatt Hour (kWh) MO Months		
Conditional	SAC10	380	**Quantity** Numeric value of quantity	X	R 1/15
Conditional	SAC13	127	**Reference Identification** Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier Used to assign a print sequencing number to determine the order that the line item will appear on the bill. Not used for Rate Ready billing. NOTE: SAC13 is required for PECO in PA.	X	AN 1/30
Conditional	SAC15	352	**Description** A free-form description to clarify the related data elements and their content	X	AN 1/80

Segment:	**IT1** **Baseline Item Data (Invoice) (IT109=UNMET loop)**
Position:	010
Loop:	IT1
Level:	Detail
Usage:	Optional
Max Use:	1
Purpose:	To specify the basic and most frequently used line item data for the invoice and related transactions
Syntax Notes:	**1** If any of IT102 IT103 or IT104 is present, then all are required. **2** If either IT106 or IT107 is present, then the other is required. **3** If either IT108 or IT109 is present, then the other is required. **4** If either IT110 or IT111 is present, then the other is required. **5** If either IT112 or IT113 is present, then the other is required. **6** If either IT114 or IT115 is present, then the other is required. **7** If either IT116 or IT117 is present, then the other is required. **8** If either IT118 or IT119 is present, then the other is required. **9** If either IT120 or IT121 is present, then the other is required. **10** If either IT122 or IT123 is present, then the other is required. **11** If either IT124 or IT125 is present, then the other is required.
Semantic Notes:	**1** IT101 is the purchase order line item identification.
Comments:	**1** Element 235/234 combinations should be interpreted to include products and/or services. See the Data Dictionary for a complete list of IDs. **2** IT106 through IT125 provide for ten different product/service IDs for each item. For example: Case, Color, Drawing No., U.P.C. No., ISBN No., Model No., or SKU.

Notes:	**UNMET**: Used to convey charges that apply to unmetered usage **Note:** IT1 loops may be sent in any order. **Note:** The Use for the various segments in this loop reflect if the loop is used.
PA Use:	At least one type of loop (Account, Rate, or Unmetered) is Required **Note:** PECO has limitations on this segment, please refer to their documentation before mapping your 810. The UNMET loop is not valid in FirstEnergy territories.
NJ Use:	At least one type of loop (Account, Rate, or Unmetered) is Required **Note:** The UNMET loop is not valid in JCP&L, PSE&G and Atlantic City Electric territories.
DE Use:	The UNMET loop is not valid for Delaware.
MD Use:	BGE – will support UNMET loop. If charges are being sent at the Unmetered level, this segment is Required. Potomac Edison, Delmarva, PEPCO – do not support UNMET loop
Examples:	IT1*1*****SV*ELECTRIC*C3*UNMET (Bill Ready Only)

Data Element Summary

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

UNMET - Indicates that charges are for unmetered services.

Segment:	**DTM** **Date/Time Reference (150=Service Period Start)**
Position:	150
Loop:	IT1
Level:	Detail
Usage:	Required
Max Use:	10
Purpose:	To specify pertinent dates and times
Syntax Notes:	**1** At least one of DTM02 DTM03 or DTM06 is required. **2** If either DTM06 or DTM07 is present, then the other is required.
Semantic Notes:	
Comments:	
PA Use:	Required – Must match the service period dates in PTD*SU loop (Metered) or PTD*BC loop (Unmetered) from the 867 transaction.
NJ Use:	Same as PA
DE Use:	The UNMET loop is not valid for Delaware.
MD Use:	BGE - Required – Must match the service period dates in PTD*SU loop from the 867 transaction. Potomac Edison, Delmarva, PEPCO – do not support UNMET loop
Example:	DTM*150*19990102

Data Element Summary

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

Segment:	**DTM** **Date/Time Reference (151=Service Period End)**
Position:	150
Loop:	IT1
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:	
PA Use:	Required – Must match the service period dates in PTD*SU loop (Metered) or PTD*BC loop (Unmetered)from the 867 transaction.
NJ Use:	Same as PA
DE Use:	The UNMET loop is not valid for Delaware.
MD Use:	BGE - Required – Must match the service period dates in PTD*SU loop from the 867 transaction. Potomac Edison, Delmarva, PEPCO – do not support UNMET loop
Example:	DTM*151*19990201

Data Element Summary

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

Segment:	**SLN** **Subline Item Detail**
Position:	200
Loop:	SLN
Level:	Detail
Usage:	Optional
Max Use:	1
Purpose:	To specify product subline detail item data
Syntax Notes:	**1** If either SLN04 or SLN05 is present, then the other is required. **2** If SLN07 is present, then SLN06 is required. **3** If SLN08 is present, then SLN06 is required. **4** If either SLN09 or SLN10 is present, then the other is required. **5** If either SLN11 or SLN12 is present, then the other is required. **6** If either SLN13 or SLN14 is present, then the other is required. **7** If either SLN15 or SLN16 is present, then the other is required. **8** If either SLN17 or SLN18 is present, then the other is required. **9** If either SLN19 or SLN20 is present, then the other is required. **10** If either SLN21 or SLN22 is present, then the other is required. **11** If either SLN23 or SLN24 is present, then the other is required. **12** If either SLN25 or SLN26 is present, then the other is required. **13** If either SLN27 or SLN28 is present, then the other is required.
Semantic Notes:	**1** SLN01 is the identifying number for the subline item. **2** SLN02 is the identifying number for the subline level. The subline level is analogous to the level code used in a bill of materials. **3** SLN03 is the configuration code indicating the relationship of the subline item to the baseline item. **4** SLN08 is a code indicating the relationship of the price or amount to the associated segment.
Comments:	**1** See the Data Element Dictionary for a complete list of IDs. **2** SLN01 is related to (but not necessarily equivalent to) the baseline item number. Example: 1.1 or 1A might be used as a subline number to relate to baseline number 1. **3** SLN09 through SLN28 provide for ten different product/service IDs for each item. For example: Case, Color, Drawing No., U.P.C. No., ISBN No., Model No., or SKU.

Notes:	The IT1/SLN segment (Position 200) is used to overcome the limitation of 25 IT1/SAC loops (Position 180). Each SLN loop will only contain one SAC. Multiple charges/allowances require multiple SLN loops.
PA Use:	Required
NJ Use:	Required
DE Use:	The UNMET loop is not valid for Delaware.
MD Use:	BGE - Required if sending any SAC segments Potomac Edison, Delmarva, PEPCO – do not support UNMET loop
Example:	SLN*1**A

Data Element Summary

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

Example:
IT1, DTM, DTM, SLN, SAC, SLN, SAC, SLN, SAC

Segment:	**SAC** **Service, Promotion, Allowance, or Charge Information**
Position:	230
Loop:	SLN
Level:	Detail
Usage:	Optional
Max Use:	25
Purpose:	To request or identify a service, promotion, allowance, or charge; to specify the amount or percentage for the service, promotion, allowance, or charge
Syntax Notes:	**1** At least one of SAC02 or SAC03 is required. **2** If either SAC03 or SAC04 is present, then the other is required. **3** If either SAC06 or SAC07 is present, then the other is required. **4** If either SAC09 or SAC10 is present, then the other is required. **5** If SAC11 is present, then SAC10 is required. **6** If SAC13 is present, then at least one of SAC02 or SAC04 is required. **7** If SAC14 is present, then SAC13 is required. **8** If SAC16 is present, then SAC15 is required.
Semantic Notes:	**1** If SAC01 is "A" or "C", then at least one of SAC05, SAC07, or SAC08 is required. **2** SAC05 is the total amount for the service, promotion, allowance, or charge. If SAC05 is present with SAC07 or SAC08, then SAC05 takes precedence. **3** SAC08 is the allowance or charge rate per unit. **4** SAC10 and SAC11 is the quantity basis when the allowance or charge quantity is different from the purchase order or invoice quantity. SAC10 and SAC11 used together indicate a quantity range, which could be a dollar amount, that is applicable to service, promotion, allowance, or charge. **5** SAC13 is used in conjunction with SAC02 or SAC04 to provide a specific reference number as identified by the code used. **6** SAC14 is used in conjunction with SAC13 to identify an option when there is more than one option of the promotion. **7** SAC16 is used to identify the language being used in SAC15.
Comments:	**1** SAC04 may be used to uniquely identify the service, promotion, allowance, or charge. In addition, it may be used in conjunction to further the code in SAC02. **2** In some business applications, it is necessary to advise the trading partner of the actual dollar amount that a particular allowance, charge, or promotion was based on to reduce ambiguity. This amount is commonly referred to as "Dollar Basis Amount". It is represented in the SAC segment in SAC10 using the qualifier "DO" - Dollars in SAC09.

Notes:	Each SLN loop will contain only one SLN and one SAC. Multiple charges/allowances require multiple SLN loops.
PA Use:	Required SAC08, 09, 10, 13, 15 are conditional, they may be provided if the charge in the SAC05 is based on a rate. The SAC05 is mandatory in all cases. The SAC13 is mandatory for PECO. PA LDC Bill Ready utilities do not validate on, nor do they use the SAC08, SAC09, SAC10 for bill print purposes. SAC15 lengths: • PECO allows 80 characters. • PPL EU allows 40 Note: SAC03/SAC04 are only used for Rate Ready. The UNMET loop is not valid in FirstEnergy territories.
NJ Use:	JCP&L, Atlantic City Electric, PSE&G – do not support this loop.
DE Use:	The UNMET loop is not valid for Delaware.
MD Use:	BGE – Same fields are required as defined in the ACCOUNT loop for MD Potomac Edison, Delmarva, PEPCO – do not support UNMET loop
Example:	<u>Bill Ready:</u>

	SAC*C*D140***4539***.03678*KH*1234***1**GENERATION: 1234 KWH AT 3.678¢ PER KWH Rate Ready: SAC*C*F950*EU*GEN004*4539***.03678*KH*1234*****GENERATION CHARGE

Data Element Summary

	Ref. Des.	Data Element	Name	Attributes	
Must Use	**SAC01**	**248**	**Allowance or Charge Indicator** Code which indicates an allowance or charge for the service specified	**M**	**ID 1/1**
			A — Allowance		
			C — Charge		
			N — No Allowance or Charge The amount in the SAC05 will be ignored when summing the invoice total.		
Must Use	**SAC02**	**1300**	**Service, Promotion, Allowance, or Charge Code**	**X**	**ID 4/4**
			D140 — Bill Ready – Actual Charges		
			F950 — Rate Ready – Actual Charges		
			H151 — Rate Ready – Budget Billed Charges		
Conditional	**SAC03**	**559**	**Agency Qualifier Code (Used for Rate Ready Only)**	**X**	**ID 2/2**
			EU — Electric Utilities		
Conditional	**SAC04**	**1301**	**Energy Charges**	**X**	**AN 1/10**
			ADJ002 — Adjustment		
			BAS001 — Customer Charge		
			BUD001 — Current Budget Charge		
			DMD001 — Demand Charge		
			GEN002 — Generation Charge – Measured		
			GEN003 — Generation Charge – Adjusted		
			GEN004 — Generation Charge – Billed		
			GTC002 — Generation/Transmission Charge – Measured		
			GTC003 — Generation/Transmission Charge – Adjusted		
			GTC004 — Generation/Transmission Charge – Billed		
			GTC005 — Generation/Transmission Charge – On Peak		
			GTC006 — Generation/Transmission Charge – Off Peak		
			LPC001 — Late Payment Charge		
			TRN002 — Transmission Charge – Measured		
			TRN003 — Transmission Charge – Adjusted		
			TRN004 — Transmission Charge – Billed		
Must Use	**SAC05**	**610**	**Amount** Monetary amount This field stands on its own and will be signed if it is negative. The SAC01is NOT used to determine the sign in the SAC05.	**O**	**N2 1/15**
Conditional	**SAC08**	**118**	**Rate** Rate expressed in the standard monetary denomination for the currency specified	**O**	**R 1/9**
Conditional	**SAC09**	**355**	**Unit or Basis for Measurement Code** Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken	**X**	**ID 2/2**
			99 — Watt		
			K1 — Kilowatt Demand (kW) Represents potential power load measured at predetermined intervals		
			K2 — Kilovolt Amperes Reactive Demand (kVAR) Reactive power that must be supplied for specific types of customer's equipment; billable when kilowatt demand usage meets or exceeds a defined parameter		
			K3 — Kilovolt Amperes Reactive Hour (kVARH)		

			Represents actual electricity equivalent to kilowatt hours; billable when usage meets or exceeds defined parameters		
			K4 — Kilovolt Amperes (KVA)		
			KH — Kilowatt Hour (kWh)		
			MO — Months		
Conditional	**SAC10**	**380**	**Quantity** Numeric value of quantity	**X**	**R 1/15**
Conditional	**SAC13**	**127**	**Reference Identification** Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier Used to assign a print sequencing number to determine the order that the line item will appear on the bill. Not used for Rate Ready billing. NOTE: SAC13 is required for PECO in PA.	**X**	**AN 1/30**
Conditional	**SAC15**	**352**	**Description** A free-form description to clarify the related data elements and their content	**X**	**AN 1/80**

Segment:	**TDS Total Monetary Value Summary**
Position:	010
Loop:	
Level:	Summary
Usage:	Mandatory
Max Use:	1
Purpose:	To specify the total invoice discounts and amounts
Syntax Notes:	
Semantic Notes:	**1** TDS01 is the total amount of invoice (including charges, less allowances) before terms discount (if discount is applicable). **2** TDS02 indicates the amount upon which the terms discount amount is calculated. **3** TDS03 is the amount of invoice due if paid by terms discount due date (total invoice or installment amount less cash discount). **4** TDS04 indicates the total amount of terms discount.
Comments:	**1** TDS02 is required if the dollar value subject to discount is not equal to the dollar value of TDS01.
Notes:	TDS01 is the total amount due for this invoice and must equal the algebraic sum of the amounts in the TXI02 and SAC05 segments with the exception of any charges that are designated to be ignored in the calculation in the TXI07 or SAC01. If this amount is negative, send the minus sign.
PA Use:	Required – Rate Ready: The TDS will be the total charges for the current month, it will not include prior balances or adjustments. Bill Ready: The TDS is the sum of all SAC's and TXI's that are not marked as "ignore".
NJ Use:	PSE&G - Required – The TDS will be the sum of all of the SAC lines. It will not necessarily equal the total charges sent for the current month. For instance, any adjustments and payments sent in Bill Ready for PSE&G will be included in the TDS. JCP&L - Required – Rate Ready: The TDS will be the total charges for the current month, it will not include prior balances or adjustments. Bill Ready: The TDS is the sum of all SAC's and TXI's that are not marked as "ignore". Atlantic City Electric - Required – Bill Ready: The TDS is the sum of all SAC's and TXI's that are not marked as "ignore".
DE Use:	Delmarva (Delmarva) - Same as NJ for Atlantic City Electric
MD Use:	Required – The TDS will be the sum of all of the SAC lines. It will not necessarily equal the total charges sent for the current month. For instance, any adjustments sent in Bill Ready will be included in the TDS. Delmarva & PEPCO - Required – Bill Ready: The TDS is the sum of all SAC's and TXI's that are not marked as "ignore".
Example:	TDS*10000 **Note:** This represents $100.00 – there is an implied decimal.

Data Element Summary

	Ref. Des.	Data Element	Name	Attributes
Must Use	**TDS01**	**610**	**Amount** Monetary amount	**M N2 1/15**

Segment: **CTT Transaction Totals**
Position: 070
Loop:
Level: Summary
Usage: Optional
Max Use: 1
Purpose: To transmit a hash total for a specific element in the transaction set
Syntax Notes:
1 If either CTT03 or CTT04 is present, then the other is required.
2 If either CTT05 or CTT06 is present, then the other is required.
Semantic Notes:
Comments:
1 This segment is intended to provide hash totals to validate transaction completeness and correctness.

PA Use:	Required
NJ Use:	Required
DE Use:	Required
MD Use:	Required
Example:	CTT*4

Data Element Summary

	Ref. Des.	Data Element	Name	Attributes
Must Use	**CTT01**	**354**	**Number of Line Items** Total number of line items in the transaction set The number of IT1 segments.	**M N0 1/6**

Segment:	**SE** **Transaction Set Trailer**
Position:	080
Loop:	
Level:	Summary
Usage:	Mandatory
Max Use:	1
Purpose:	To indicate the end of the transaction set and provide the count of the transmitted segments (including the beginning (ST) and ending (SE) segments)
Syntax Notes:	
Semantic Notes:	
Comments:	**1** SE is the last segment of each transaction set.
PA Use:	Required
NJ Use:	Required
DE Use:	Required
MD Use:	Required
Example:	SE*28*000000001

Data Element Summary

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

RATE READY EXAMPLES

Scenario #1**: Month 1 – Original 810**

BIG*19990201*1999020112350000 1***2048392934504** ME*00	Bill date, unique bill number and cross reference number to corresponding 867
REF*12*1234567890	LDC account number
REF*11*1394959	ESP account number
REF*BLT*LDC	LDC will consolidate the ESP and LDC charges
REF*PC*LDC	LDC will calculate all charges (Rate Ready)
REF*BF*21	Billing Cycle Number 21
N1*8S*LDC UTILITY CO*1*007909411	LDC name and DUNS or DUNS+4 number
N1*SJ*ESP SUPPLIER CO*9*007909422ESP1	ESP name and DUNS or DUNS+4 number
N1*8R*CUSTOMER NAME	Customer's name as it appears on Customer's bill
ITD******19990220	Customer's Payment Due Date
BAL*P*YB*50.00	Amount the customer owed as a result of the previous bill prior to applying payments and adjustments for the previous period billing.
BAL*M*J9*0	The amount the customer owed prior to the current billing – BAL*P*YB with payments and adjustments applied.
BAL*M*YB*53.41	The customer's total outstanding balance. This is what the customer owes from previous billing periods plus the current billing charges.
IT1*1*****SV*ELECTRIC*C3*ACCOUNT	Sequential Line Item Counter. Also indicates that charges are transmitted at the Account level
TXI*ST*3.02**CD*F950**A	$3.02 State Sales Tax billed to the customer
DTM*150*19990101	Service Period Start
DTM*151*19990131	Service Period End
SLN*1**A	Sequential charge line item counter
SAC*C*F950*EU*BAS001*500***5.00*MO*1*****CUST OMER CHARGE	$5.00/month Customer Charge for a one-month period.
IT1*2*****SV*ELECTRIC*C3*RATE	Sequential Line Item Counter. Also indicates that charges are transmitted at a Rate level
REF*RB*A29	ESP Rate Code
DTM*150*19990101	Service Period Start
DTM*151*19990131	Service Period End
SLN*1**A	Sequential charge line item counter
SAC*C*F950*EU*GEN004*4539***.03678*KH*1234**** *GENERATION CHARGE	1234 kWh * 3.678 cents/kWh = $45.39
TDS*5341	$53.41 Total ESP Portion billed to the customer.
CTT*2	Number of IT1 segments

RATE READY EXAMPLES

Scenario #1**: Month 2 – Original 810**

BIG*19990301*19990301123500001***2048392934505** ME*00	Bill date, unique bill number and cross reference number to corresponding 867
REF*12*1234567890	LDC account number
REF*11*1394959	ESP account number
REF*BLT*LDC	LDC will consolidate the ESP and LDC charges
REF*PC*LDC	LDC will calculate all charges (Rate Ready)
REF*BF*21	Billing Cycle Number 21
N1*8S*LDC UTILITY CO*1*007909411	LDC name and DUNS or DUNS+4 number
N1*SJ*ESP SUPPLIER CO*9*007909422ESP1	ESP name and DUNS or DUNS+4 number
N1*8R*CUSTOMER NAME	Customer's name as it appears on The customer's bill
ITD******19990320	Customer's Payment Due Date
BAL*P*YB*53.41	Amount the customer owed as a result of the previous bill prior to applying payments and adjustments for the previous period billing.
BAL*M*J9*0	The amount the customer owed prior to the current billing – BAL*P*YB with payments and adjustments applied.
BAL*M*YB*39.10	The customer's total outstanding balance. This is what the customer owes from previous billing periods plus the current billing charges.
IT1*1*****SV*ELECTRIC*C3*ACCOUNT	Sequential Line Item Counter. Also indicates that charges are transmitted at the Account level
TXI*ST*2.21**CD*F950**A	$2.21 State Sales Tax billed to the customer
DTM*150*19990201	Service Period Start
DTM*151*19990228	Service Period End
SLN*1**A	Sequential charge line item counter
SAC*C*F950*EU*BAS001*500***5.00*MO*1*****CUST OMER CHARGE	$5.00/month Customer Charge for a one month period.
IT1*2*****SV*ELECTRIC*C3*RATE	Sequential Line Item Counter. Also indicates that charges are transmitted at a Rate level
REF*RB*A29	ESP Rate Code
DTM*150*19990201	Service Period Start
DTM*151*19990228	Service Period End
SLN*1**A	Sequential charge line item counter
SAC*C*F950*EU*GEN004*3189***.03678*KH*867***** GENERATION CHARGE	867 kWh * 3.678 cents/kWh = $31.89
TDS*3910	$39.10 Total ESP Portion billed to the customer.
CTT*2	Number of IT1 segments

RATE READY EXAMPLES

Scenario #1: Month 1 – Cancellation 810

BIG*19990315*19990201123500003***2048392934504**ME*01	Bill date, unique bill number and cross reference number to corresponding 867
REF*OI*19990201123500001	Original bill number
REF*12*1234567890	LDC account number
REF*11*1394959	ESP account number
REF*BLT*LDC	LDC will consolidate the ESP and LDC charges
REF*PC*LDC	LDC will calculate all charges (Rate Ready)
REF*BF*21	Billing Cycle Number 21
N1*8S*LDC UTILITY CO*1*007909411	LDC name and DUNS or DUNS+4 number
N1*SJ*ESP SUPPLIER CO*9*007909422ESP1	ESP name and DUNS or DUNS+4 number
N1*8R*CUSTOMER NAME	Customer's name as it appears on The customer's bill
ITD******19990220	Customer's Payment Due Date
IT1*1*****SV*ELECTRIC*C3*ACCOUNT	Sequential Line Item Counter. Also indicates that charges are transmitted at the Account level
TXI*ST*3.02**CD*F950**A	$3.02 State Sales Tax billed to the customer
DTM*150*19990101	Service Period Start
DTM*151*19990131	Service Period End
SLN*1**A	Sequential charge line item counter
SAC*C*F950*EU*BAS001*500***5.00*MO*1*****CUSTOMER CHARGE	$5.00/month Customer Charge for a one month period.
IT1*2*****SV*ELECTRIC*C3*RATE	Sequential Line Item Counter. Also indicates that charges are transmitted at a Rate level
REF*RB*A29	ESP Rate Code
DTM*150*19990101	Service Period Start
DTM*151*19990131	Service Period End
SLN*1**A	Sequential charge line item counter
SAC*C*F950*EU*GEN004*4539***.03678*KH*1234*****GENERATION CHARGE	1234 kWh * 3.678 cents/kWh = $45.39
TDS*5341	$53.41 Total ESP Portion billed to the customer.
CTT*2	Number of IT1 segments

RATE READY EXAMPLES

Scenario #1: **Month 2 – Cancellation 810**

BIG*19990315*19990301123500004***2048392934505**ME*01	Bill date, unique bill number and cross reference number to corresponding 867
REF*OI*19990301123500001	Bill number being cancelled
REF*12*1234567890	LDC account number
REF*11*1394959	ESP account number
REF*BLT*LDC	LDC will consolidate the ESP and LDC charges
REF*PC*LDC	LDC will calculate all charges (Rate Ready)
REF*BF*21	Billing Cycle Number 21
N1*8S*LDC UTILITY CO*1*007909411	LDC name and DUNS or DUNS+4 number
N1*SJ*ESP SUPPLIER CO*9*007909422ESP1	ESP name and DUNS or DUNS+4 number
N1*8R*CUSTOMER NAME	Customer's name as it appears on The customer's bill
ITD******19990320	Customer's Payment Due Date
IT1*1*****SV*ELECTRIC*C3*ACCOUNT	Sequential Line Item Counter. Also indicates that charges are transmitted at the Account level
TXI*ST*2.21**CD*F950**A	$2.21 State Sales Tax billed to the customer
DTM*150*19990201	Service Period Start
DTM*151*19990228	Service Period End
SLN*1**A	Sequential charge line item counter
SAC*C*F950*EU*BAS001*500***5.00*MO*1*****CUSTOMER CHARGE	$5.00/month Customer Charge for a one month period.
IT1*2*****SV*ELECTRIC*C3*RATE	Sequential Line Item Counter. Also indicates that charges are transmitted at a Rate level
REF*RB*A29	ESP Rate Code
DTM*150*19990201	Service Period Start
DTM*151*19990228	Service Period End
SLN*1**A	Sequential charge line item counter
SAC*C*F950*EU*GEN004*3189***.03678*KH*867*****GENERATION CHARGE	867 kWh * 3.678 cents/kWh = $31.89
TDS*3910	$39.10 Total ESP Portion billed to the customer.
CTT*2	Number of IT1 segments

RATE READY EXAMPLES

Scenario #1**: Months 1 & 2 – Original 810 (Restating Months 1 and 2)**

BIG*19990315*19990201123500005***2048392934506** ME*00	Bill date, unique bill number and cross reference number to corresponding 867
REF*12*1234567890	LDC account number
REF*11*1394959	ESP account number
REF*BLT*LDC	LDC will consolidate the ESP and LDC charges
REF*PC*LDC	LDC will calculate all charges (Rate Ready)
REF*BF*21	Billing Cycle Number 21
N1*8S*LDC UTILITY CO*1*007909411	LDC name and DUNS or DUNS+4 number
N1*SJ*ESP SUPPLIER CO*9*007909422ESP1	ESP name and DUNS or DUNS+4 number
N1*8R*CUSTOMER NAME	Customer's name as it appears on The customer's bill
ITD******19990405	Customer's Payment Due Date
BAL*P*YB*50	Amount the customer owed as a result of the previous bill prior to applying payments and adjustments for the previous period billing.
BAL*M*J9*-42.51	The amount the customer owed prior to the current billing – BAL*P*YB with payments and adjustments applied. Assumes payments for month 1 ($53.41) and month 2 ($39.10)
BAL*M*YB*47.74	The customer's total outstanding balance. This is what the customer owes from previous billing periods plus the current billing charges. (Current charges + balance prior to billing)
IT1*1*****SV*ELECTRIC*C3*ACCOUNT	Sequential Line Item Counter. Also indicates that charges are transmitted at the Account level
TXI*ST*5.11**CD*F950**A	$5.11 State Sales Tax billed to the customer
DTM*150*19990101	Service Period Start
DTM*151*19990228	Service Period End
SLN*1**A	Sequential charge line item counter
SAC*C*F950*EU*BAS001*1000***5.00*MO*2*****CUSTOMER CHARGE	$5.00/month Customer Charge for a one month period.
IT1*2*****SV*ELECTRIC*C3*RATE	Sequential Line Item Counter. Also indicates that charges are transmitted at a Rate level
REF*RB*A29	ESP Rate Code
DTM*150*19990101	Service Period Start
DTM*151*19990228	Service Period End
SLN*1**A	Sequential charge line item counter
SAC*C*F950*EU*GEN004*7514***.03678*KH*2043*****GENERATION CHARGE	2043 kWh * 3.678 cents/kWh = $75.14
TDS*9025	$90.25 Total ESP Portion billed to the customer.
CTT*2	Number of IT1 segments

RATE READY EXAMPLES

Scenario #2: Taxes, Flat Charge, and Stepped Rates

BIG*19990201*19990201123500001***2048392934504**ME*00	Bill date, unique bill number and cross reference number to corresponding 867
REF*12*1234567890	LDC account number
REF*11*1394959	ESP account number
REF*BLT*LDC	LDC will consolidate the ESP and LDC charges
REF*PC*LDC	LDC will calculate all charges (Rate Ready)
REF*BF*21	Billing Cycle Number 21
N1*8S*LDC UTILITY CO*1*007909411	LDC name and DUNS or DUNS+4 number
N1*SJ*ESP SUPPLIER CO*9*007909422ESP1	ESP name and DUNS or DUNS+4 number
N1*8R*CUSTOMER NAME	Customer's name as it appears on The customer's bill
ITD******19990220	Customer's Payment Due Date
BAL*P*YB*50.00	Amount the customer owed as a result of the previous bill prior to applying payments and adjustments for the previous period billing.
BAL*M*J9*0	The amount the customer owed prior to the current billing – BAL*P*YB with payments and adjustments applied.
BAL*M*YB*99.99	The customer's total outstanding balance. This is what the customer owes from previous billing periods plus the current billing charges.
IT1*1*****SV*ELECTRIC*C3*ACCOUNT	Sequential Line Item Counter. Also indicates that charges are transmitted at the Account level
TXI*ST*5.66**CD*F950**A	$5.66 State Sales Tax billed to the customer
DTM*150*19990101	Service Period Start
DTM*151*19990131	Service Period End
SLN*1**A	Sequential charge line item counter
SAC*C*F950*EU*BAS001*500***5.00*MO*1*****CUSTOMER CHARGE	$5.00/month Customer Charge for a one-month period.
IT1*2*****SV*ELECTRIC*C3*RATE	Sequential Line Item Counter. Also indicates that charges are transmitted at a Rate level
REF*RB*A29	ESP Rate Code
DTM*150*19990101	Service Period Start
DTM*151*19990131	Service Period End
SLN*1**A	Sequential charge line item counter
SAC*C*F950*EU*GEN004*3821***.03821*KH*1000*****GENERATION CHARGE STEP 1	1000 kWh * 3.821 cents/kWh = $38.21
SLN*2**A	
SAC*C*F950*EU*GEN004*3524***.03524*KH*1000*****GENERATION CHARGE STEP 2	1000 kWh * 3.524 cents/kWh = $35.24
SLN*3**A	
SAC*C*F950*EU*GEN004*1588***.03467*KH*458*****GENERATION CHARGE STEP 3	458 kWh * 3.467 cents/kWh = $15.88
TDS*9999	$99.99 Total ESP Portion billed to the customer.
CTT*2	Number of IT1 segments

RATE READY EXAMPLES

Scenario #3: Taxes, Flat Charge, On / Off Peak Kwh

BIG*19990201*19990201123500001***2048392934504**ME*00	Bill date, unique bill number and cross reference number to corresponding 867
REF*12*1234567890	LDC account number
REF*11*1394959	ESP account number
REF*BLT*LDC	LDC will consolidate the ESP and LDC charges
REF*PC*LDC	LDC will calculate all charges (Rate Ready)
REF*BF*21	Billing Cycle Number 21
N1*8S*LDC UTILITY CO*1*007909411	LDC name and DUNS or DUNS+4 number
N1*SJ*ESP SUPPLIER CO*9*007909422ESP1	ESP name and DUNS or DUNS+4 number
N1*8R*CUSTOMER NAME	Customer’s name as it appears on The customer’s bill
ITD******19990220	Customer’s Payment Due Date
BAL*P*YB*50.00	Amount the customer owed as a result of the previous bill prior to applying payments and adjustments for the previous period billing.
BAL*M*J9*0	The amount the customer owed prior to the current billing – BAL*P*YB with payments and adjustments applied.
BAL*M*YB*56.17	The customer’s total outstanding balance. This is what the customer owes from previous billing periods plus the current billing charges.
IT1*1*****SV*ELECTRIC*C3*ACCOUNT	Sequential Line Item Counter. Also indicates that charges are transmitted at the Account level
TXI*ST*3.18**CD*F950**A	$3.18 State Sales Tax billed to the customer
DTM*150*19990101	Service Period Start
DTM*151*19990131	Service Period End
SLN*1**A	Sequential charge line item counter
SAC*C*F950*EU*BAS001*500***5.00*MO*1*****CUSTOMER CHARGE	$5.00/month Customer Charge for a one month period.
IT1*2*****SV*ELECTRIC*C3*RATE	Sequential Line Item Counter. Also indicates that charges are transmitted at a Rate level
REF*RB*A29	ESP Rate Code
DTM*150*19990101	Service Period Start
DTM*151*19990131	Service Period End
SLN*1**A	Sequential charge line item counter
SAC*C*F950*EU*GTC005*2924***.04039*KH*724*****GENERATION/TRANSMISSION CHARGE ON PEAK	724 kWh * 4.039 cents/kWh = $29.24
SLN*2**A	Sequential charge line item counter
SAC*C*F950*EU*GTC006*1875***.03479*KH*539*****GENERATION/TRANSMISSION CHARGE OFF PEAK	539 kWh * 3.479 cents/kWh = $18.75
TDS*5617	$56.17 Total ESP Portion billed to the customer.
CTT*2	Number of IT1 segments

RATE READY EXAMPLES

Scenario #4: Taxes, Flat Charge, and kwh charge

BIG*19990201*19990201123500001***2048392934504**ME*00	Bill date, unique bill number and cross reference number to corresponding 867
REF*12*1234567890	LDC account number
REF*11*1394959	ESP account number
REF*BLT*LDC	LDC will consolidate the ESP and LDC charges
REF*PC*LDC	LDC will calculate all charges (Rate Ready)
REF*BF*21	Billing Cycle Number 21
N1*8S*LDC UTILITY CO*1*007909411	LDC name and DUNS or DUNS+4 number
N1*SJ*ESP SUPPLIER CO*9*007909422ESP1	ESP name and DUNS or DUNS+4 number
N1*8R*CUSTOMER NAME	Customer's name as it appears on The customer's bill
ITD******19990220	Customer's Payment Due Date
BAL*P*YB*50.00	Amount the customer owed as a result of the previous bill prior to applying payments and adjustments for the previous period billing.
BAL*M*J9*0	The amount the customer owed prior to the current billing – BAL*P*YB with payments and adjustments applied.
BAL*M*YB*44.12	The customer's total outstanding balance. This is what the customer owes from previous billing periods plus the current billing charges.
IT1*1*****SV*ELECTRIC*C3*ACCOUNT	Sequential Line Item Counter. Also indicates that charges are transmitted at the Account level
TXI*ST*2.50**CD*F950**A	$2.50 State Sales Tax billed to the customer
DTM*150*19990101	Service Period Start
DTM*151*19990131	Service Period End
SLN*1**A	Sequential charge line item counter
SAC*C*F950*EU*BAS001*500***5.00*MO*1*****CUSTOMER CHARGE	$5.00/month Customer Charge for a one month period.
IT1*2*****SV*ELECTRIC*C3*RATE	Sequential Line Item Counter. Also indicates that charges are transmitted at a Rate level
REF*RB*A29	ESP Rate Code
DTM*150*19990101	Service Period Start
DTM*151*19990131	Service Period End
SLN*1**A	Sequential charge line item counter
SAC*C*F950*EU*GEN004*3662***.04128*KH*887*****GENERATION CHARGE	887 kWh * 4.128 cents/kWh = $36.62
TDS*4412	$44.12 Total ESP Portion billed to the customer.
CTT*2	Number of IT1 segments

RATE READY EXAMPLES

Scenario #5: Taxes, Kw and kwh charges

BIG*19990201*19990201123500001***2048392934504**ME*00	Bill date, unique bill number and cross reference number to corresponding 867
REF*12*1234567890	LDC account number
REF*11*1394959	ESP account number
REF*BLT*LDC	LDC will consolidate the ESP and LDC charges
REF*PC*LDC	LDC will calculate all charges (Rate Ready)
REF*BF*21	Billing Cycle Number 21
N1*8S*LDC UTILITY CO*1*007909411	LDC name and DUNS or DUNS+4 number
N1*SJ*ESP SUPPLIER CO*9*007909422ESP1	ESP name and DUNS or DUNS+4 number
N1*8R*CUSTOMER NAME	Customer's name as it appears on The customer's bill
ITD******19990220	Customer's Payment Due Date
BAL*P*YB*50.00	Amount the customer owed as a result of the previous bill prior to applying payments and adjustments for the previous period billing.
BAL*M*J9*0	The amount the customer owed prior to the current billing – BAL*P*YB with payments and adjustments applied.
BAL*M*YB*952.17	The customer's total outstanding balance. This is what the customer owes from previous billing periods plus the current billing charges.
IT1*1*****SV*ELECTRIC*C3*ACCOUNT	Sequential Line Item Counter. Also indicates that charges are transmitted at the Account level
TXI*ST*53.90**CD*F950**A	$53.90 State Sales Tax billed to the customer
DTM*150*19990101	Service Period Start
DTM*151*19990131	Service Period End
IT1*2*****SV*ELECTRIC*C3*RATE	Sequential Line Item Counter. Also indicates that charges are transmitted at a Rate level
REF*RB*A29	ESP Rate Code
DTM*150*19990101	Service Period Start
DTM*151*19990131	Service Period End
SLN*1**A	Sequential charge line item counter
SAC*C*F950*EU*GEN004*19922***14.23*K1*14*****GENERATION CHARGE	14 kW * $14.23/KW = $199.22
SLN*2**A	Sequential charge line item counter
SAC*C*F950*EU*GEN004*69905***.03128*KH*22348*****GENERATION CHARGE	22348 kWh * 3.128 cents/kWh = $699.05
TDS*95217	$952.17 Total ESP Portion billed to the customer.
CTT*2	Number of IT1 segments

RATE READY EXAMPLES

Scenario #6: Taxes, kwh, and unmetered charges

BIG*19990201*19990201123500001***2048392934504**ME*00	Bill date, unique bill number and cross reference number to corresponding 867
REF*12*1234567890	LDC account number
REF*11*1394959	ESP account number
REF*BLT*LDC	LDC will consolidate the ESP and LDC charges
REF*PC*LDC	LDC will calculate all charges (Rate Ready)
REF*BF*21	Billing Cycle Number 21
N1*8S*LDC UTILITY CO*1*007909411	LDC name and DUNS or DUNS+4 number
N1*SJ*ESP SUPPLIER CO*9*007909422ESP1	ESP name and DUNS or DUNS+4 number
N1*8R*CUSTOMER NAME	Customer's name as it appears on The customer's bill
ITD******19990220	Customer's Payment Due Date
BAL*P*YB*50.00	Amount the customer owed as a result of the previous bill prior to applying payments and adjustments for the previous period billing.
BAL*M*J9*0	The amount the customer owed prior to the current billing – BAL*P*YB with payments and adjustments applied.
BAL*M*YB*35.03	The customer's total outstanding balance. This is what the customer owes from previous billing periods plus the current billing charges.
IT1*1*****SV*ELECTRIC*C3*ACCOUNT	Sequential Line Item Counter. Also indicates that charges are transmitted at the Account level
TXI*ST*1.98**CD*F950**A	$1.98 State Sales Tax billed to the customer.
DTM*150*19990101	Service Period Start
DTM*151*19990131	Service Period End
IT1*2*****SV*ELECTRIC*C3*RATE	Sequential Line Item Counter. Also indicates that charges are transmitted at a Rate level
REF*RB*A29	ESP Rate Code
DTM*150*19990101	Service Period Start
DTM*151*19990131	Service Period End
SLN*1**A	Sequential charge line item counter
SAC*C*F950*EU*GEN004*3109***.04075*KH*763*****GENERATION CHARGE	763 kWh * 4.075 cents/kWh = $31.09
IT1*3*****SV*ELECTRIC*C3*UNMET	Sequential Line Item Counter. Also indicates that charges are for unmetered services
REF*RB*A30	ESP Rate Code
DTM*150*19990101	Service Period Start
DTM*151*19990131	Service Period End
SLN*1**A	Sequential charge line item counter
SAC*C*F950*EU*GEN004*196***.04075*KH*48*****GENERATION CHARGE	48 kWh * 4.075 cents/kWh = $1.96
TDS*3503	$35.03 Total ESP Portion billed to the customer.
CTT*3	Number of IT1 segments

RATE READY EXAMPLES

Scenario #7: Taxes and Unmetered Charges

BIG*19990201*19990201123500001***2048392934504**ME*00	Bill date, unique bill number and cross reference number to corresponding 867
REF*12*1234567890	LDC account number
REF*11*1394959	ESP account number
REF*BLT*LDC	LDC will consolidate the ESP and LDC charges
REF*PC*LDC	LDC will calculate all charges (Rate Ready)
REF*BF*21	Billing Cycle Number 21
N1*8S*LDC UTILITY CO*1*007909411	LDC name and DUNS or DUNS+4 number
N1*SJ*ESP SUPPLIER CO*9*007909422ESP1	ESP name and DUNS or DUNS+4 number
N1*8R*CUSTOMER NAME	Customer's name as it appears on The customer's bill
ITD******19990220	Customer's Payment Due Date
BAL*P*YB*50.00	Amount the customer owed as a result of the previous bill prior to applying payments and adjustments for the previous period billing.
BAL*M*J9*0	The amount the customer owed prior to the current billing – BAL*P*YB with payments and adjustments applied.
BAL*M*YB*3.99	The customer's total outstanding balance. This is what the customer owes from previous billing periods plus the current billing charges.
IT1*1*****SV*ELECTRIC*C3*ACCOUNT	Sequential Line Item Counter. Also indicates that charges are transmitted at the Account level
TXI*ST*.23**CD*F950**A	$.23 State Sales Tax billed to the customer.
DTM*150*19990101	Service Period Start
DTM*151*19990131	Service Period End
IT1*2*****SV*ELECTRIC*C3*UNMET	Sequential Line Item Counter. Also indicates that charges are for unmetered services
REF*RB*A30	ESP Rate Code
DTM*150*19990101	Service Period Start
DTM*151*19990131	Service Period End
SLN*1**A	Sequential charge line item counter
SAC*C*F950*EU*GEN004*376***.03879*KH*97*****GENERATION CHARGE	97 kWh * 3.879 cents/kWh = $3.76
TDS*399	$3.99 Total ESP Portion billed to the customer.
CTT*2	Number of IT1 segments

RATE READY EXAMPLES

Scenario #8: No taxes, has kwh charge

BIG*19990201*19990201123500001***2048392934504**ME*00	Bill date, unique bill number and cross reference number to corresponding 867
REF*12*1234567890	LDC account number
REF*11*1394959	ESP account number
REF*BLT*LDC	LDC will consolidate the ESP and LDC charges
REF*PC*LDC	LDC will calculate all charges (Rate Ready)
REF*BF*21	Billing Cycle Number 21
N1*8S*LDC UTILITY CO*1*007909411	LDC name and DUNS or DUNS+4 number
N1*SJ*ESP SUPPLIER CO*9*007909422ESP1	ESP name and DUNS or DUNS+4 number
N1*8R*CUSTOMER NAME	Customer’s name as it appears on The customer’s bill
ITD******19990220	Customer’s Payment Due Date
BAL*P*YB*50.00	Amount the customer owed as a result of the previous bill prior to applying payments and adjustments for the previous period billing.
BAL*M*J9*0	The amount the customer owed prior to the current billing – BAL*P*YB with payments and adjustments applied.
BAL*M*YB*34.92	The customer’s total outstanding balance. This is what the customer owes from previous billing periods plus the current billing charges.
IT1*1*****SV*ELECTRIC*C3*RATE	Sequential Line Item Counter. Also indicates that charges are transmitted at a Rate level
REF*RB*A29	ESP Rate Code
DTM*150*19990101	Service Period Start
DTM*151*19990131	Service Period End
SLN*1**A	Sequential charge line item counter
SAC*C*F950*EU*GEN004*3492***.04128*KH*846*****GENERATION CHARGE	846 kWh * 4.128 cents/kWh = $34.92
TDS*3492	$34.92 Total ESP Portion billed to the customer.
CTT*1	Number of IT1 segments

RATE READY EXAMPLES

Scenario #9: Taxes, flat charge, and kwh charge

BIG*19990201*19990201123500001***2048392934504**ME*00	Bill date, unique bill number and cross reference number to corresponding 867
REF*12*1234567890	LDC account number
REF*11*1394959	ESP account number
REF*BLT*LDC	LDC will consolidate the ESP and LDC charges
REF*PC*LDC	LDC will calculate all charges (Rate Ready)
REF*BF*21	Billing Cycle Number 21
N1*8S*LDC UTILITY CO*1*007909411	LDC name and DUNS or DUNS+4 number
N1*SJ*ESP SUPPLIER CO*9*007909422ESP1	ESP name and DUNS or DUNS+4 number
N1*8R*CUSTOMER NAME	Customer's name as it appears on The customer's bill
ITD******19990220	Customer's Payment Due Date
BAL*P*YB*50.00	Amount the customer owed as a result of the previous bill prior to applying payments and adjustments for the previous period billing.
BAL*M*J9*0	The amount the customer owed prior to the current billing – BAL*P*YB with payments and adjustments applied.
BAL*M*YB*52.96	The customer's total outstanding balance. This is what the customer owes from previous billing periods plus the current billing charges.
IT1*1*****SV*ELECTRIC*C3*ACCOUNT	Sequential Line Item Counter. Also indicates that charges are transmitted at the Account level
TXI*ST*3.02**CD*F950**A	$3.02 State Sales Tax billed to the customer.
DTM*150*19990101	Service Period Start
DTM*151*19990131	Service Period End
SLN*1**A	Sequential charge line item counter
SAC*C*F950*EU*BAS001*500***5.00*MO*1*****CUSTOMER CHARGE	$5.00/month Customer Charge for a one-month period.
IT1*1*****SV*ELECTRIC*C3*RATE	Sequential Line Item Counter. Also indicates that charges are transmitted at a Rate level
REF*RB*A29	ESP Rate Code
DTM*150*19990101	Service Period Start
DTM*151*19990131	Service Period End
SLN*1**A	Sequential charge line item counter
SAC*C*F950*EU*GEN004*4539***.03678*KH*1234*****GENERATION CHARGE	1234 kWh * 3.678 cents/kWh = $45.39
TDS*5296	$52.96 Total ESP Portion billed to the customer.
CTT*2	Number of IT1 segments

BILL READY EXAMPLES

Scenario #1: Month 1 – Original 810

BIG*19990203* BILL0012345***2048392934504**ME*00	Bill date, unique bill number, and cross reference number to corresponding original 867
NTE*ADD*WE APPECIATE YOUR BUSINESS	ESP text message to customer
NTE*ADD*CONSERVE ENERGY FOR A BETTER TOMORROW	ESP text message to customer
NTE*OTH*POWER LINES ARE DANGEROUS	Regulatory Message from ESP to customer
NTE*OTH*TREE TRIMMING IN YOUR AREA NEXT MONTH	Regulatory Message from ESP to customer
REF*12*1234567890	LDC Account number
REF*11*1394959	ESP Account number
REF*BLT*LDC	LDC will consolidate the LDC and ESP charges
REF*PC*DUAL	ESP will calculate their own charges
N1*8S*LDC UTILITY CO*1*007909411	LDC name and DUNS number
N1*SJ*ESP SUPPLIER CO*9*007909422ESP1	ESP name and DUNS number
N1*8R*CUSTOMER NAME	Customer name as it appears on the customer's bill
IT1*1*****SV*ELECTRIC*C3*ACCOUNT	Sequential Line Item Counter. Also indicates that charges are transmitted at the Account level
TXI*ST*3.02**CD*D140**A***3	State Sales Tax for bill ready, print sequencing number
TXI*GR*2.22**CD*D140**O***5	Gross Receipts Tax for bill ready, residential customers only
DTM*150*19990101	Service Period Start
DTM*151*19990131	Service Period End
SLN*1**A	Sequential charge line item counter
SAC*C*D140***500***5.00*MO*1***2**CUSTOMER CHARGES: $5.00	$5.00/month customer charge for a one-month period
IT1*2*****SV*ELECTRIC*C3*RATE	Sequential Line Item Counter – also indicates charges are transmitted at a rate level
DTM*150*19990101	Service Period Start
DTM*151*19990131	Service Period End
SLN*1**A	Sequential Charge Line Item Counter
SAC*C*D140***4539***.03678*KH*1234***1**GENERATION: 1234 KWH AT 3.678¢ PER kWh	Charge indicator, bill ready actual charges indicator, line item amount, rate, unit of measure, measurement, print sequencing number, and charge description.
TDS*5341	Total ESP portion billed to customer
CTT*2	Number of IT1 segments

BILL READY EXAMPLES

Scenario #1: Month 2 – Original 810

BIG*19990303* BILL0012897***2048392934505**ME*00	Bill date, and unique bill number, and cross reference number to corresponding original 867
NTE*ADD*WE APPECIATE YOUR BUSINESS	ESP text message to customer
NTE*ADD*CONSERVE ENERGY FOR A BETTER TOMORROW	ESP text message to customer
NTE*OTH*POWER LINES ARE DANGEROUS	Regulatory Message from ESP to customer
NTE*OTH*TREE TRIMMING IN YOUR AREA NEXT MONTH	Regulatory Message from ESP to customer
REF*12*1234567890	LDC Account number
REF*11*1394959	ESP Account number
REF*BLT*LDC	LDC will consolidate the LDC and ESP charges
REF*PC*DUAL	ESP will calculate their own charges
N1*8S*LDC UTILITY CO*1*007909411	LDC name and DUNS number
N1*SJ*ESP SUPPLIER CO*9*007909422ESP1	ESP name and DUNS number
N1*8R*CUSTOMER NAME	Customer name as it appears on the customer's bill
IT1*1*****SV*ELECTRIC*C3*ACCOUNT	Sequential Line Item Counter. Also indicates that charges are transmitted at the Account level
TXI*ST*2.21**CD*D140**A***3	State Sales Tax for bill ready, print sequencing number
TXI*GR*1.62**CD*D140**O***5	Gross Receipts Tax for bill ready, residential customers only
DTM*150*19990201	Service Period Start
DTM*151*19990228	Service Period End
SLN*1**A	Sequential charge line item counter
SAC*C*D140***500***5.00*MO*1***2**CUSTOMER CHARGES: $5.00	$5.00/month customer charge for a one-month period
IT1*2*****SV*ELECTRIC*C3*RATE	Sequential Line Item Counter – also indicates charges are transmitted at a rate level
DTM*150*19990201	Service Period Start
DTM*151*19990228	Service Period End
SLN*1**A	Sequential Charge Line Item Counter
SAC*C*D140***3189***.03678*KH*867***1**GENER ATION: 867 KWH AT 3.678¢ PER kWh	Charge indicator, bill ready actual charges indicator, line item amount, rate, unit of measure, measurement, print sequencing number, and charge description.
TDS*3910	Total ESP portion billed to customer
CTT*2	Number of IT1 segments

BILL READY EXAMPLES

Scenario #1: Month 1 – Cancellation 810

BIG*19990315*BILL00123777***2048392934504**ME*01	Bill date, unique bill number and cross reference number to corresponding 867
NTE*ADD*WE APPECIATE YOUR BUSINESS	ESP text message to customer
NTE*ADD*CONSERVE ENERGY FOR A BETTER TOMORROW	ESP text message to customer
NTE*OTH*POWER LINES ARE DANGEROUS	Regulatory Message from ESP to customer
NTE*OTH*TREE TRIMMING IN YOUR AREA NEXT MONTH	Regulatory Message from ESP to customer
REF*OI* BILL0012345	Bill number being cancelled
REF*12*1234567890	LDC Account number
REF*11*1394959	ESP Account number
REF*BLT*LDC	LDC will consolidate the LDC and ESP charges
REF*PC*DUAL	ESP will calculate their own charges
N1*8S*LDC UTILITY CO*1*007909411	LDC name and DUNS number
N1*SJ*ESP SUPPLIER CO*9*007909422ESP1	ESP name and DUNS number
N1*8R*CUSTOMER NAME	Customer name as it appears on the customer's bill
IT1*1*****SV*ELECTRIC*C3*ACCOUNT	Sequential Line Item Counter. Also indicates that charges are transmitted at the Account level
TXI*ST*3.02**CD*D140**A***3	State Sales Tax for bill ready, print sequencing number
TXI*GR*2.22**CD*D140**O***5	Gross Receipts Tax for bill ready, residential customers only
DTM*150*19990101	Service Period Start
DTM*151*19990131	Service Period End
SLN*1**A	Sequential charge line item counter
SAC*C*D140***500***5.00*MO*1***2**CUSTOMER CHARGES: $5.00	$5.00/month customer charge for a one-month period
IT1*2*****SV*ELECTRIC*C3*RATE	Sequential Line Item Counter – also indicates charges are transmitted at a rate level
DTM*150*19990101	Service Period Start
DTM*151*19990131	Service Period End
SLN*1**A	Sequential Charge Line Item Counter
SAC*C*D140***4539***.03678*KH*1234***1**GENERATION: 1234 KWH AT 3.678¢ PER kWh	Charge indicator, bill ready actual charges indicator, line item amount, rate, unit of measure, measurement, print sequencing number, and charge description.
TDS*5341	Total ESP portion billed to customer
CTT*2	Number of IT1 segments

BILL READY EXAMPLES

Scenario #1: Month 2 – Cancellation 810

BIG*19990315*BILL00123778***2048392934505**ME*01	Bill date, unique bill number and cross reference number to corresponding cancel 867
NTE*ADD*WE APPECIATE YOUR BUSINESS	ESP text message to customer
NTE*ADD*CONSERVE ENERGY FOR A BETTER TOMORROW	ESP text message to customer
NTE*OTH*POWER LINES ARE DANGEROUS	Regulatory Message from ESP to customer
NTE*OTH*TREE TRIMMING IN YOUR AREA NEXT MONTH	Regulatory Message from ESP to customer
REF*OI* BILL0012897	Bill number being cancelled
REF*12*1234567890	LDC Account number
REF*11*1394959	ESP Account number
REF*BLT*LDC	LDC will consolidate the LDC and ESP charges
REF*PC*DUAL	ESP will calculate their own charges
N1*8S*LDC UTILITY CO*1*007909411	LDC name and DUNS number
N1*SJ*ESP SUPPLIER CO*9*007909422ESP1	ESP name and DUNS number
N1*8R*CUSTOMER NAME	Customer name as it appears on the customer's bill
IT1*1*****SV*ELECTRIC*C3*ACCOUNT	Sequential Line Item Counter. Also indicates that charges are transmitted at the Account level
TXI*ST*2.21**CD*D140**A***3	State Sales Tax for bill ready, print sequencing number
TXI*GR*1.62**CD*D140**O***5	Gross Receipts Tax for bill ready, residential customers only
DTM*150*19990201	Service Period Start
DTM*151*19990228	Service Period End
SLN*1**A	Sequential charge line item counter
SAC*C*D140***500***5.00*MO*1***2**CUSTOMER CHARGES: $5.00	$5.00/month customer charge for a one-month period
IT1*2*****SV*ELECTRIC*C3*RATE	Sequential Line Item Counter – also indicates charges are transmitted at a rate level
DTM*150*19990201	Service Period Start
DTM*151*19990228	Service Period End
SLN*1**A	Sequential Charge Line Item Counter
SAC*C*D140***3189***.03678*KH*867***1**GENERATION: 867 KWH AT 3.678¢ PER kWh	Charge indicator, bill ready actual charges indicator, line item amount, rate, unit of measure, measurement, print sequencing number, and charge description.
TDS*3910	Total ESP portion billed to customer
CTT*2	Number of IT1 segments

BILL READY EXAMPLES

Scenario #1: Months 1 & 2 – Original 810 (restating months 1 and 2)

BIG*19990317*BILL0019998***2048392934506**ME*00	Bill date, unique bill number and cross reference number to corresponding restate 867
NTE*ADD*WE APPECIATE YOUR BUSINESS	ESP text message to customer
NTE*ADD*CONSERVE ENERGY FOR A BETTER TOMORROW	ESP text message to customer
NTE*OTH*POWER LINES ARE DANGEROUS	Regulatory Message from ESP to customer
NTE*OTH*TREE TRIMMING IN YOUR AREA NEXT MONTH	Regulatory Message from ESP to customer
REF*12*1234567890	LDC Account number
REF*11*1394959	ESP Account number
REF*BLT*LDC	LDC will consolidate the LDC and ESP charges
REF*PC*DUAL	ESP will calculate their own charges
N1*8S*LDC UTILITY CO*1*007909411	LDC name and DUNS number
N1*SJ*ESP SUPPLIER CO*9*007909422ESP1	ESP name and DUNS number
N1*8R*CUSTOMER NAME	Customer name as it appears on the customer's bill
IT1*1*****SV*ELECTRIC*C3*ACCOUNT	Sequential Line Item Counter. Also indicates that charges are transmitted at the Account level
TXI*ST*5.11**CD*D140**A***3	State Sales Tax for bill ready, print sequencing number
TXI*GR*3.75**CD*D140**O***5	Gross Receipts Tax for bill ready, residential customers only
DTM*150*19990101	Service Period Start
DTM*151*19990228	Service Period End
SLN*1**A	Sequential charge line item counter
SAC*C*D140***1000***5.00*MO*2***2**CUSTOMER CHARGES: $10.00	$5.00/month customer charge for a two-month period
IT1*2*****SV*ELECTRIC*C3*RATE	Sequential Line Item Counter – also indicates charges are transmitted at a rate level
DTM*150*19990101	Service Period Start
DTM*151*19990228	Service Period End
SLN*1**A	Sequential Charge Line Item Counter
SAC*C*D140***7514***.03678*KH*2043***1**GENERATION: 2043 KWH AT 3.678¢ PER KWH	Charge indicator, bill ready actual charges indicator, line item amount, rate, unit of measure, measurement, print sequencing number, and charge description.
TDS*9025	Total ESP portion billed to customer
CTT*2	Number of IT1 segments

BILL READY EXAMPLES

Scenario #2: Original 810 with Stepped Rate Charges

BIG*19990203*BILL0012345***2048392934504**ME*00	Bill date, unique bill number, and cross reference number to corresponding original 867
NTE*ADD*WE APPECIATE YOUR BUSINESS	ESP text message to customer
NTE*ADD*CONSERVE ENERGY FOR A BETTER TOMORROW	ESP text message to customer
NTE*OTH*POWER LINES ARE DANGEROUS	Regulatory Message from ESP to customer
NTE*OTH*TREE TRIMMING IN YOUR AREA NEXT MONTH	Regulatory Message from ESP to customer
REF*12*1234567890	LDC Account number
REF*11*1394959	ESP Account number
REF*BLT*LDC	LDC will consolidate the LDC and ESP charges
REF*PC*DUAL	ESP will calculate their own charges
N1*8S*LDC UTILITY CO*1*007909411	LDC name and DUNS number
N1*SJ*ESP SUPPLIER CO*9*007909422ESP1	ESP name and DUNS number
N1*8R*CUSTOMER NAME	Customer name as it appears on the customer's bill
IT1*1*****SV*ELECTRIC*C3*ACCOUNT	Sequential Line Item Counter. Also indicates that charges are transmitted at the Account level
TXI*ST*5.66**CD*D140**A***5	State Sales Tax for bill ready, print sequencing number
TXI*GR*4.15**CD*D140**O***7	Gross Receipts Tax for bill ready, residential customers only
DTM*150*19990101	Service Period Start
DTM*151*19990131	Service Period End
SLN*1**A	Sequential charge line item counter
SAC*C*D140***500***5.00*MO*1***4**CUSTOMER CHARGES: $5.00	$5.00/month customer charge for a one-month period
IT1*2*****SV*ELECTRIC*C3*RATE	Sequential Line Item Counter – also indicates charges are transmitted at a rate level
DTM*150*19990101	Service Period Start
DTM*151*19990131	Service Period End
SLN*1**A	Sequential Charge Line Item Counter
SAC*C*D140***3821***.03821*KH*1000***1**GENERATION STEP 1: 1000 KWH @ 3.821¢/kWh	Charge indicator, bill ready actual charges indicator, line item amount, rate, unit of measure, measurement, print sequencing number, and charge description.
SLN*2**A	Sequential Charge Line Item Counter
SAC*C*D140***3524***.03524*KH*1000***2**GENERATION STEP 2: 1000 KWH @ 3.524¢/KWH	
SLN*3**A	Sequential Charge Line Item Counter
SAC*C*D140***1588***.03467*KH*458***3**GENERATION STEP 3: 458 KWH @ 3.467¢/KWH	
TDS*9999	Total ESP portion billed to customer
CTT*2	Number of IT1 segments

BILL READY EXAMPLES

Scenario #3: Original 810 with On and Off Peak Rates

BIG*19990203*BILL0012345***204839234504**ME*00	Bill date, unique bill number, and cross reference number to corresponding original 867
NTE*ADD*WE APPECIATE YOUR BUSINESS	ESP text message to customer
NTE*ADD*CONSERVE ENERGY FOR A BETTER TOMORROW	ESP text message to customer
NTE*OTH*POWER LINES ARE DANGEROUS	Regulatory Message from ESP to customer
NTE*OTH*TREE TRIMMING IN YOUR AREA NEXT MONTH	Regulatory Message from ESP to customer
REF*12*1234567890	LDC Account number
REF*11*1394959	ESP Account number
REF*BLT*LDC	LDC will consolidate the LDC and ESP charges
REF*PC*DUAL	ESP will calculate their own charges
N1*8S*LDC UTILITY CO*1*007909411	LDC name and DUNS number
N1*SJ*ESP SUPPLIER CO*9*007909422ESP1	ESP name and DUNS number
N1*8R*CUSTOMER NAME	Customer name as it appears on the customer's bill
IT1*1*****SV*ELECTRIC*C3*ACCOUNT	Sequential Line Item Counter. Also indicates that charges are transmitted at the Account level
TXI*ST*3.18**CD*D140**A***4	State Sales Tax for bill ready, print sequencing number
TXI*GR*2.33**CD*D140**O***6	Gross Receipts Tax for bill ready, residential customers only
DTM*150*19990101	Service Period Start
DTM*151*19990131	Service Period End
SLN*1**A	Sequential charge line item counter
SAC*C*D140***500***5.00*MO*1***3**CUSTOMER CHARGES: $5.00	$5.00/month customer charge for a one-month period
IT1*2*****SV*ELECTRIC*C3*RATE	Sequential Line Item Counter – also indicates charges are transmitted at a rate level
DTM*150*19990101	Service Period Start
DTM*151*19990131	Service Period End
SLN*1**A	Sequential Charge Line Item Counter
SAC*C*D140***2924***.04039*KH*724***1**GENERATION: 724 KWH @ 4.039¢ / KWH ON PEAK	Charge indicator, bill ready actual ready indicator, line item amount, rate, unit of measure, measurement, print sequencing number, and charge description.
SLN*2**A	Sequential Charge Line Item Counter
SAC*C*D140***1875***.03479*KH*539***2**GENERATION: 539 KWH @ 3.479¢ / KWH OFF PEAK	Charge indicator, bill ready actual charges indicator, line item amount, rate, unit of measure, print sequencing number, and charge description.
TDS*5617	Total ESP portion billed to customer
CTT*2	Number of IT1 segments

BILL READY EXAMPLES

Scenario #4: Original 810 with Adjustment

BIG*19990203*BILL0012345***2048392934504**ME*00	Bill date, unique bill number, and cross reference number to corresponding original 867
NTE*ADD*WE APPECIATE YOUR BUSINESS	ESP text message to customer
NTE*ADD*CONSERVE ENERGY FOR A BETTER TOMORROW	ESP text message to customer
NTE*OTH*POWER LINES ARE DANGEROUS	Regulatory Message from ESP to customer
NTE*OTH*TREE TRIMMING IN YOUR AREA NEXT MONTH	Regulatory Message from ESP to customer
REF*12*1234567890	LDC Account number
REF*11*1394959	ESP Account number
REF*BLT*LDC	LDC will consolidate the LDC and ESP charges
REF*PC*DUAL	ESP will calculate their own charges
N1*8S*LDC UTILITY CO*1*007909411	LDC name and DUNS number
N1*SJ*ESP SUPPLIER CO*9*007909422ESP1	ESP name and DUNS number
N1*8R*CUSTOMER NAME	Customer name as it appears on the customer’s bill
IT1*1*****SV*ELECTRIC*C3*ACCOUNT	Sequential Line Item Counter. Also indicates that charges are transmitted at the Account level
TXI*GR*1.83**CD*D140**O***5	Gross Receipts Tax for bill ready residential customers only
DTM*150*19990101	Service Period Start
DTM*151*19990131	Service Period End
SLN*1**A	Sequential charge line item counter
SAC*C*D140***500***5.00*MO*1***2**CUSTOMER CHARGES: $5.00	$5.00/month customer charge for a one-month period
SLN*2**A	Sequential charge line item counter
SAC*A*D140***-4162***-41.62*MO*1***3**FREE MONTH	Adjustment – credit to customer for this month free
IT1*2*****SV*ELECTRIC*C3*RATE	Sequential Line Item Counter – also indicates charges are transmitted at a rate level
DTM*150*19990101	Service Period Start
DTM*151*19990131	Service Period End
SLN*1**A	Sequential Charge Line Item Counter
SAC*C*D140***3662***.04128*KH*887***1**GENERATION: 887 KWH AT 4.128¢ PER KWH	Charge indicator, bill ready actual charges indicator, line item amount, rate, unit of measure, measurement, print sequencing number, and charge description.
TDS*0	Total ESP portion billed to customer
CTT*2	Number of IT1 segments

BILL READY EXAMPLES

Scenario #5: Original 810 with kWh and Demand Charges

BIG*19990203*BILL0012345***2048392934504**ME*00	Bill date, unique bill number, and cross reference number to corresponding original 867
NTE*ADD*WE APPECIATE YOUR BUSINESS	ESP text message to customer
NTE*ADD*CONSERVE ENERGY FOR A BETTER TOMORROW	ESP text message to customer
NTE*OTH*POWER LINES ARE DANGEROUS	Regulatory Message from CESP to customer
NTE*OTH*TREE TRIMMING IN YOUR AREA NEXT MONTH	Regulatory Message from ESP to customer
REF*12*1234567890	LDC Account number
REF*11*1394959	ESP Account number
REF*BLT*LDC	LDC will consolidate the LDC and ESP charges
REF*PC*DUAL	ESP will calculate their own charges
N1*8S*LDC UTILITY CO*1*007909411	LDC name and DUNS number
N1*SJ*ESP SUPPLIER CO*9*007909422ESP1	ESP name and DUNS number
N1*8R*CUSTOMER NAME	Customer name as it appears on the customer's bill
IT1*1*****SV*ELECTRIC*C3*ACCOUNT	Sequential Line Item Counter. Also indicates that charges are transmitted at the Account level
TXI*ST*53.90**CD*D140**A***3	State Sales Tax for bill ready, print sequencing number
DTM*150*19990101	Service Period Start
DTM*151*19990131	Service Period End
IT1*2*****SV*ELECTRIC*C3*RATE	Sequential Line Item Counter – also indicates charges are transmitted at a rate level
DTM*150*19990101	Service Period Start
DTM*151*19990131	Service Period End
SLN*1**A	Sequential Charge Line Item Counter
SAC*C*D140***19922***14.23*K1*14***1**GENERATION: 14 KW @ $14.23 / KW	Charge indicator, bill ready actual charges indicator, line item amount, rate, unit of measure, measurement, print sequencing number, and charge description.
SLN*2**A	Sequential Charge Line Item Counter
SAC*C*D140***69905***.03128*KH*22348***2**GENERATION: 22348 KWH @ 3.128¢ / KWH	Charge indicator, bill ready actual charges indicator, line item amount, rate, unit of measure, measurement, print sequencing number, and charge description.
TDS*95217	Total ESP portion billed to customer
CTT*2	Number of IT1 segments

BILL READY EXAMPLES

Scenario #6: Metered and Unmetered Services on Same Account

BIG*19990203*BILL0012345***2048392934504**ME*00	Bill date, unique bill number and cross reference number to corresponding original 867
NTE*ADD*WE APPECIATE YOUR BUSINESS	ESP text message to customer
NTE*ADD*CONSERVE ENERGY FOR A BETTER TOMORROW	ESP text message to customer
NTE*OTH*POWER LINES ARE DANGEROUS	Regulatory Message from ESP to customer
NTE*OTH*TREE TRIMMING IN YOUR AREA NEXT MONTH	Regulatory Message from ESP to customer
REF*12*1234567890	LDC Account number
REF*11*1394959	ESP Account number
REF*BLT*LDC	LDC will consolidate the LDC and ESP charges
REF*PC*DUAL	ESP will calculate their own charges
N1*8S*LDC UTILITY CO*1*007909411	LDC name and DUNS number
N1*SJ*ESP SUPPLIER CO*9*007909422ESP1	ESP name and DUNS number
N1*8R*CUSTOMER NAME	Customer name as it appears on the customer's bill
IT1*1*****SV*ELECTRIC*C3*ACCOUNT	Sequential Line Item Counter. Also indicates that charges are transmitted at the Account level
TXI*ST*1.98**CD*D140**A***3	State Sales Tax for bill ready, print sequencing number
DTM*150*19990101	Service Period Start
DTM*151*19990131	Service Period End
IT1*2*****SV*ELECTRIC*C3*RATE	Sequential Line Item Counter – also indicates charges are transmitted at a rate level
DTM*150*19990101	Service Period Start
DTM*151*19990131	Service Period End
SLN*1**A	Sequential Charge Line Item Counter
SAC*C*D140***3109***.04075*KH*763***1**GENERATION: 763 KWH AT 4.075¢ PER KWH	Charge indicator, bill ready actual charges indicator, line item amount, rate, unit of measure, measurement, print sequencing number, and charge description.
IT1*3*****SV*ELECTRIC*C3*UNMET	Sequential Line Item Counter – also indicates charges are transmitted for unmetered services
DTM*150*19990101	Service Period Start
DTM*151*19990131	Service Period End
SLN*1**A	Sequential Charge Line Item Counter
SAC*C*D140***196***.04075*KH*48***2**STREET LIGHTS: 48 KWH AT 4.075¢ PER KWH	Charge indicator, bill ready actual charges indicator, line item amount, rate, unit of measure, measurement, print sequencing number, and charge description.
TDS*3503	Total ESP portion billed to customer
CTT*3	Number of IT1 segments

BILL READY EXAMPLES

Scenario #7: Unmetered Service Only on an Account

BIG*19990203*BILL0012345***2048392934504**ME*00	Bill date, unique bill number and cross reference number to corresponding original 867
NTE*ADD*WE APPECIATE YOUR BUSINESS	ESP text message to customer
NTE*ADD*CONSERVE ENERGY FOR A BETTER TOMORROW	ESP text message to customer
NTE*OTH*POWER LINES ARE DANGEROUS	Regulatory Message from ESP to customer
NTE*OTH*TREE TRIMMING IN YOUR AREA NEXT MONTH	Regulatory Message from ESP to customer
REF*12*1234567890	LDC Account number
REF*11*1394959	ESP Account number
REF*BLT*LDC	LDC will consolidate the LDC and ESP charges
REF*PC*DUAL	ESP will calculate their own charges
N1*8S*LDC UTILITY CO*1*007909411	LDC name and DUNS number
N1*SJ*ESP SUPPLIER CO*9*007909422ESP1	ESP name and DUNS number
N1*8R*CUSTOMER NAME	Customer name as it appears on the customer's bill
IT1*1*****SV*ELECTRIC*C3*ACCOUNT	Sequential Line Item Counter. Also indicates that charges are transmitted at the Account level
TXI*ST*2.26**CD*D140**A***2	State Sales Tax for bill ready, print sequencing number
DTM*150*19990101	Service Period Start
DTM*151*19990131	Service Period End
IT1*2*****SV*ELECTRIC*C3*UNMET	Sequential Line Item Counter – also indicates charges are transmitted for unmetered services
DTM*150*19990101	Service Period Start
DTM*151*19990131	Service Period End
SLN*1**A	Sequential Charge Line Item Counter
SAC*C*D140***3763***.3879*KH*97***1**STREET LIGHTS: 97 KWH AT 3.879¢ PER KWH	Charge indicator, bill ready actual charges indicator, line item amount, rate, unit of measure, measurement, print sequencing number, and charge description.
TDS*3989	Total ESP portion billed to customer
CTT*2	Number of IT1 segments

BILL READY EXAMPLES

Scenario #8: No Account Level Information

BIG*19990203*BILL0012345***2048392934504**ME*00	Bill date, unique bill number and cross reference number to corresponding original 867
NTE*ADD*WE APPECIATE YOUR BUSINESS	ESP text message to customer
NTE*ADD*CONSERVE ENERGY FOR A BETTER TOMORROW	ESP text message to customer
NTE*OTH*POWER LINES ARE DANGEROUS	Regulatory Message from ESP to customer
NTE*OTH*TREE TRIMMING IN YOUR AREA NEXT MONTH	Regulatory Message from ESP to customer
REF*12*1234567890	LDC Account number
REF*11*1394959	ESP Account number
REF*BLT*LDC	LDC will consolidate the LDC and ESP charges
REF*PC*DUAL	ESP will calculate their own charges
N1*8S*LDC UTILITY CO*1*007909411	LDC name and DUNS number
N1*SJ*ESP SUPPLIER CO*9*007909422ESP1	ESP name and DUNS number
N1*8R*CUSTOMER NAME	Customer name as it appears on the customer's bill
IT1*1*****SV*ELECTRIC*C3*RATE	Sequential Line Item Counter – also indicates charges are transmitted at a rate level
DTM*150*19990101	Service Period Start
DTM*151*19990131	Service Period End
SLN*1**A	Sequential Charge Line Item Counter
SAC*C*D140***3492***.04128*KH*846***1**GENERATION: 846 KWH AT 4.128¢ PER KWH	Charge indicator, bill ready actual charges indicator, line item amount, rate, unit of measure, measurement, print sequencing number, and charge description.
TDS*3492	Total ESP portion billed to customer
CTT*1	Number of IT1 segments

BILL READY EXAMPLES

Scenario #9: Missed Billing Window - Month 1 - Resend in Month 2 in same ISA as Month 2 810

BIG*19990303*BILL0012345***2048392934504**ME*00	Bill date, unique bill number and cross reference number to corresponding original 867
NTE*ADD*WE APPECIATE YOUR BUSINESS	ESP text message to customer
NTE*ADD*CONSERVE ENERGY FOR A BETTER TOMORROW	ESP text message to customer
NTE*OTH*POWER LINES ARE DANGEROUS	Regulatory Message from ESP to customer
NTE*OTH*TREE TRIMMING IN YOUR AREA NEXT MONTH	Regulatory Message from ESP to customer
REF*12*1234567890	LDC Account number
REF*11*1394959	ESP Account number
REF*BLT*LDC	LDC will consolidate the LDC and ESP charges
REF*PC*DUAL	ESP will calculate their own charges
N1*8S*LDC UTILITY CO*1*007909411	LDC name and DUNS number
N1*SJ*ESP SUPPLIER CO*9*007909422ESP1	ESP name and DUNS number
N1*8R*CUSTOMER NAME	Customer name as it appears on the customer's bill
IT1*1*****SV*ELECTRIC*C3*ACCOUNT	Sequential Line Item Counter. Also indicates that charges are transmitted at the Account level
TXI*ST*3.02**CD*D140**A***3	State Sales Tax for bill ready, print sequencing number
TXI*GR*2.22**CD*D140**O***5	Gross Receipts Tax for bill ready residential customers only
DTM*150*19990101	Service Period Start
DTM*151*19990131	Service Period End
SLN*1**A	Sequential Charge Line Item Counter
SAC*C*D140***500***5.00*MO*1***2**CUSTOMER CHARGES: $5.00	$5.00/month customer charge for a one-month period
IT1*2*****SV*ELECTRIC*C3*RATE	Sequential Line Item Counter. Also indicates that charges are transmitted at a Rate level
DTM*150*19990101	Service Period Start
DTM*151*19990131	Service Period End
SLN*1**A	Sequential Charge Line Item Counter
SAC*C*D140***4539***.03678*KH*1234***1**GENERATION: 1234 KWH AT 3.678¢ PER KWH	Charge indicator, bill ready actual charges indicator, line item amount, rate, unit of measure, measurement, print sequencing number, and charge description.
TDS*5341	Total ESP portion billed to customer
CTT*2	Number of IT1 segments

BILL READY EXAMPLES

Scenario #9: Missed Bill Window - Month 2 810 Send during month 2 after, but in same ISA, as Month 1 810

BIG*19990303*BILL0012897***4048392934612**ME*00	Bill date, unique bill number and cross reference number to corresponding original 867
NTE*ADD*WE APPECIATE YOUR BUSINESS	ESP text message to customer
NTE*ADD*CONSERVE ENERGY FOR A BETTER TOMORROW	ESP text message to customer
NTE*OTH*POWER LINES ARE DANGEROUS	Regulatory Message from ESP to customer
NTE*OTH*TREE TRIMMING IN YOUR AREA NEXT MONTH	Regulatory Message from ESP to customer
REF*12*1234567890	LDC Account number
REF*11*1394959	ESP Account number
REF*BLT*LDC	LDC will consolidate the LDC and ESP charges
REF*PC*DUAL	ESP will calculate their own charges
N1*8S*LDC UTILITY CO*1*007909411	LDC name and DUNS number
N1*SJ*ESP SUPPLIER CO*9*007909422ESP1	ESP name and DUNS number
N1*8R*CUSTOMER NAME	Customer name as it appears on the customer's bill
IT1*1*****SV*ELECTRIC*C3*ACCOUNT	Sequential Line Item Counter. Also indicates that charges are transmitted at the Account level
TXI*ST*2.21**CD*D140**A***3	State Sales Tax for bill ready, print sequencing number
TXI*GR*1.62**CD*D140**O***5	Gross Receipts Tax for bill ready residential customers only
DTM*150*19990201	Service Period Start
DTM*151*19990228	Service Period End
SLN*1**A	Sequential Charge Line Item Counter
SAC*C*D140***500***5.00*MO*1***2**CUSTOMER CHARGES: $5.00	$5.00/month customer charge for a one-month period
IT1*2*****SV*ELECTRIC*C3*RATE	Sequential Line Item Counter – also indicates charges are transmitted at a rate level
DTM*150*19990201	Service Period Start
DTM*151*19990228	Service Period End
SLN*1**A	Sequential Charge Line Item Counter
SAC*C*D140***3189***.03678*KH*867***1**GENERATION: 867 KWH AT 3.678¢ PER KWH	Charge indicator, bill ready actual charges indicator, line item amount, rate, unit of measure, measurement, print sequencing number, and charge description.
TDS*3910	Total ESP portion billed to customer
CTT*2	Number of IT1 segments

BILL READY EXAMPLES

Scenario #10: ESP reverses 810 and reissues due to an incorrect rate - Month 1 – Original 810

BIG*19990203*BILL0012345***2048392934504**ME*00	Bill date, unique bill number and cross reference number to corresponding original 867
NTE*ADD*WE APPECIATE YOUR BUSINESS	ESP text message to customer
NTE*ADD*CONSERVE ENERGY FOR A BETTER TOMORROW	ESP text message to customer
NTE*OTH*POWER LINES ARE DANGEROUS	Regulatory Message from ESP to customer
NTE*OTH*TREE TRIMMING IN YOUR AREA NEXT MONTH	Regulatory Message from ESP to customer
REF*12*1234567890	LDC Account number
REF*11*1394959	ESP Account number
REF*BLT*LDC	LDC will consolidate the LDC and ESP charges
REF*PC*DUAL	ESP will calculate their own charges
N1*8S*LDC UTILITY CO*1*007909411	LDC name and DUNS number
N1*SJ*ESP SUPPLIER CO*9*007909422ESP1	ESP name and DUNS number
N1*8R*CUSTOMER NAME	Customer name as it appears on the customer's bill
IT1*1*****SV*ELECTRIC*C3*ACCOUNT	Sequential Line Item Counter. Also indicates that charges are transmitted at the Account level
TXI*ST*3.02**CD*D140**A***3	State Sales Tax for bill ready, print sequencing number
TXI*GR*2.22**CD*D140**O***5	Gross Receipts Tax for bill ready residential customers only
DTM*150*19990101	Service Period Start
DTM*151*19990131	Service Period End
SLN*1**A	Sequential Charge Line Item Counter
SAC*C*D140***500***5.00*MO*1***2**CUSTOMER CHARGES: $5.00	$5.00/month customer charge for a one-month period
IT1*2*****SV*ELECTRIC*C3*RATE	Sequential Line Item Counter – also indicates charges are transmitted at a rate level
DTM*150*19990101	Service Period Start
DTM*151*19990131	Service Period End
SLN*1**A	Sequential Charge Line Item Counter
SAC*C*D140***4539***.03678*KH*1234***1**GENERATION: 1234 KWH AT 3.678¢ PER KWH	Charge indicator, bill ready actual charges indicator, line item amount, rate, unit of measure, measurement print sequencing number, and charge description.
TDS*5341	Total ESP portion billed to customer
CTT*2	Number of IT1 segments

BILL READY EXAMPLES

Scenario #10: ESP reverses 810 and reissues due to an incorrect rate - Month 1 – Reversal 810

BIG*19990203*BILL0012346***2048392934504**ME*17	Bill date, unique bill number, cross reference number to corresponding original 867 and reversal indicator
NTE*ADD*WE APPECIATE YOUR BUSINESS	ESP text message to customer
NTE*ADD*CONSERVE ENERGY FOR A BETTER TOMORROW	ESP text message to customer
NTE*OTH*POWER LINES ARE DANGEROUS	Regulatory Message from ESP to customer
NTE*OTH*TREE TRIMMING IN YOUR AREA NEXT MONTH	Regulatory Message from ESP to customer
REF*OI*BILL0012345	Reference Original Bill Number
REF*12*1234567890	LDC Account number
REF*11*1394959	ESP Account number
REF*BLT*LDC	LDC will consolidate the LDC and ESP charges
REF*PC*DUAL	ESP will calculate their own charges
N1*8S*LDC UTILITY CO*1*007909411	LDC name and DUNS number
N1*SJ*ESP SUPPLIER CO*9*007909422ESP1	ESP name and DUNS number
N1*8R*CUSTOMER NAME	Customer name as it appears on the customer's bill
IT1*1*****SV*ELECTRIC*C3*ACCOUNT	Sequential Line Item Counter. Also indicates that charges are transmitted at the Account level
TXI*ST*3.02**CD*D140**A***3	State Sales Tax for bill ready, print sequencing number
TXI*GR*2.22**CD*D140**O***5	Gross Receipts Tax for bill ready residential customers only
DTM*150*19990101	Service Period Start
DTM*151*19990131	Service Period End
SLN*1**A	Sequential Charge Line Item Counter
SAC*C*D140***500***5.00*MO*1***2**CUSTOMER CHARGES: $5.00	$5.00/month customer charge for a one-month period
IT1*2*****SV*ELECTRIC*C3*RATE	Sequential Line Item Counter – also indicates charges are transmitted at a rate level
DTM*150*19990101	Service Period Start
DTM*151*19990131	Service Period End
SLN*1**A	Sequential Charge Line Item Counter
SAC*C*D140***4539***.03678*KH*1234***1**GENERATION: 1234 KWH AT 3.678¢ PER KWH	Charge indicator, bill ready actual charges indicator, line item amount, rate, unit of measure, measurement print sequencing number, and charge description.
TDS*5341	Total ESP portion billed to customer
CTT*2	Number of IT1 segments

BILL READY EXAMPLES

Scenario #10: ESP reverses 810 and reissues due to an incorrect rate - Month 1 – Reissue 810

BIG*19990203*BILL0012347***2048392934504**ME*18	Bill date, unique bill number, cross reference number to corresponding original 810 and reissue indicator
NTE*ADD*WE APPECIATE YOUR BUSINESS	ESP text message to customer
NTE*ADD*CONSERVE ENERGY FOR A BETTER TOMORROW	ESP text message to customer
NTE*OTH*POWER LINES ARE DANGEROUS	Regulatory Message from ESP to customer
NTE*OTH*TREE TRIMMING IN YOUR AREA NEXT MONTH	Regulatory Message from ESP to customer
REF*12*1234567890	LDC Account number
REF*11*1394959	ESP Account number
REF*BLT*LDC	LDC will consolidate the LDC and ESP charges
REF*PC*DUAL	ESP will calculate their own charges
N1*8S*LDC UTILITY CO*1*007909411	LDC name and DUNS number
N1*SJ*ESP SUPPLIER CO*9*007909422ESP1	ESP name and DUNS number
N1*8R*CUSTOMER NAME	Customer name as it appears on the customer's bill
IT1*1*****SV*ELECTRIC*C3*ACCOUNT	Sequential Line Item Counter. Also indicates that charges are transmitted at the Account level
TXI*ST*1.04**CD*D140**A***3	State Sales Tax for bill ready, print sequencing number
TXI*GR*.54**CD*D140**O***5	Gross Receipts Tax for bill ready residential customers only
DTM*150*19990101	Service Period Start
DTM*151*19990131	Service Period End
SLN*1**A	Sequential Charge Line Item Counter
SAC*C*D140***500***5.00*MO*1***2**CUSTOMER CHARGES: $5.00	$5.00/month customer charge for a one-month period
IT1*2*****SV*ELECTRIC*C3*RATE	Sequential Line Item Counter – also indicates charges are transmitted at a rate level
DTM*150*19990101	Service Period Start
DTM*151*19990131	Service Period End
SLN*1**A	Sequential Charge Line Item Counter
SAC*C*D140***1234***.010*KH*1234***1**GENERATIO N: 1234 KWH AT 1¢ PER KWH	Charge indicator, bill ready actual charges indicator, line item amount, rate, unit of measure, measurement print sequencing number, and charge description.
TDS*1838	Total ESP portion billed to customer
CTT*2	Number of IT1 segments

BILL-READY EXAMPLE – Atlantic City Electric / Delmarva

<u>Scenario</u>: Month 1 – Original 810 – Includes an adjustment of $-1.00, three lines of descriptive text to be printed above the total current charges, and two lines of text to describe the adjustment.
Note: This example shows which fields Atlantic City Electric will use. The New Jersey Bill Ready example above will also be accepted by Atlantic City Electric.

BIG*19990203*BILL0012345***2048392934504**ME*00	Bill date, unique bill number, and cross reference number to corresponding original 867
REF*12*2348293420	LDC account number
REF*11*90384598304	TPS account number
REF*BLT*LDC	LDC will consolidate the LDC and TPS charges
REF*PC*DUAL	TPS will calculate their own charges
N1*8S*LDC UTILITY CO*1*007909411	LDC name and DUNS number
N1*SJ*TPS SUPPLIER CO*9*007909422TPS1	TPS name and DUNS number
N1*8R*CUSTOMER NAME	Customer name as it appears on the customer's bill
IT1*1*****SV*ELECTRIC*C3*ACCOUNT	Sequential Line Item Counter. Also indicates that charges are transmitted at the Account level
PID*F**EU**ON PEAK KWH CHARGE $66.00*R1*01	Text supporting current charges (max 60 characters; max 3 lines)
PID*F**EU**OFF PEAK KWH CHARGE $53.50*R1*02	Text supporting current charges (max 60 characters; max 3 lines)
PID*F**EU**TOTAL KW CHARGE $24.50*R1*03	Text supporting current charges (max 60 characters; max 3 lines)
PID*F**EU**ADJUSTMENT IS FOR CUSTOMER COMPLAINT OF LOST SAVINGS*R2*01	Text below total supplier charges (max 80 characters per line; max 4 lines)
PID*F**EU**UP TO 4 LINES OF 80 CHARACTERS CAN BE PRINTED HERE*R2*02	Text below total supplier charges (max 80 characters per line; max 4 lines)
DTM*150*19990101	Service period start
DTM*151*19990131	Service period end
SLN*1**A	Sequential charge line item counter
SAC*C*D140*EU*ADJ002*-100********1**BILLING ADJUSTMENT	Charge indicator, bill ready actual charges indicator, adjustment charge indicator, Adjustment amount, print sequencing number, and description for adjustment line.
SLN*2**A	Sequential charge line item counter
SAC*C*D140*EU*GEN004*14400********4**TOTAL CURRENT CHARGES	Charge indicator, bill ready actual charges indicator, generation charge indicator, line item amount, print sequencing number, and description for total current charges line (max 48 characters)
TDS*14300	Total TPS portion billed to customer (includes adjustments)
CTT*1	Number of IT1 segments

PSE&G BILL-READY EXAMPLE

<u>Scenario</u>: Month 1 – Original 810 – Includes a payment of $-475.00. (Enhanced NJ CAS functionality)

Note: This example takes advantage of the enhanced bill functionality implemented in December 2001to support NJ CCAS.

Note: This example shows which fields PSE&G will use.

BIG*19990203*123456789***2048392934504**ME*00	Bill date, unique bill number, and cross reference number to corresponding original 867
REF*12*2348293420	LDC account number
REF*11*90384598304	TPS account number
REF*BLT*LDC	LDC will consolidate the LDC and TPS charges
REF*PC*DUAL	TPS will calculate their own charges
N1*8S*PSE&G*1*006973812	LDC name and DUNS number
N1*SJ*TPS SUPPLIER CO*9*007909422TPS1	TPS name and DUNS number
N1*8R*CUSTOMER NAME	Customer name as it appears on the customer's bill
BAL*M*YB*50.00	TPS total charges due
IT1*1*****SV*ELECTRIC*C3*ACCOUNT	Sequential Line Item Counter. Also indicates that charges are transmitted at an Account level
PID*F**EU**THIS IS SAMPLE Text Line 1*R1*01	Rolling Page of Text Line 1
PID*F**EU**THIS IS SAMPLE Text Line 2*R1*02	Rolling Page of Text Line 2
PID*F**EU**THIS IS SAMPLE Text Line 3*R1*03	Rolling Page of Text Line 3
DTM*150*19990101	Service period start
DTM*151*19990131	Service period end
SLN*1**A	Sequential charge line item counter
SAC*C*D140*EU*ADJ000*-47500	Charge indicator, bill ready actual ready indicator, adjustment charge indicator, Adjustment amount
SLN*2**A	Sequential charge line item counter
SAC*C*D140*EU*GEN004*52500	Charge indicator, bill ready actual ready indicator, GAS CHARGE indicator, line item amount
TDS*5000	Total of SAC*05 amounts
CTT*1	Number of IT1 segments

The following is a representation of the data from the above EDI 810 shown on the TPS portion of the PSE&G bill but not the actual format.

Adjustments:		($475.00)
Current Charges:	<u>$525.00</u>	

Total (TPS Name) Charges: $50.00

THIS IS SAMPLE Text Line 1
THIS IS SAMPLE Text Line 2
THIS IS SAMPLE Text Line 3