# 

**Pennsylvania**

**New Jersey**

**Delaware**

**Maryland**

**Implementation**

**Guideline**

**For**

Electronic Data Interchange

**TRANSACTION SET**

814

**Enrollment**

**Request and Response**

**Ver/Rel 004010**

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|  |  | Summary of Changes |
| June 11, 1999  Version 1.0 |  | * Added ability for an ESP to request a secondary service of receiving Summary level Interval information for Pennsylvania (See Notes section for description of service). New features include use of a LIN05 value “SI” and use of an account level REF segment “17”. If secondary service is not requested, and interval data exists for the account, the ESP will receive interval data and its related summary data in a single transaction (867IU). If the code is sent, the ESP will receive summarized data only on a monthly basis (867IU). **Note:** This option may not be offered at the account level by all LDCs – some LDCs may only offer it for all customers of an ESP. * Added clarification that Rockland Electric’s system maintains the duplicate bill and notice to third party.   Transaction is considered FINAL in Pennsylvania. |
| June 29, 1999  Version 2.0 |  | * Issued as FINAL for New Jersey. * Changed “EGS” to “ESP” and “EDC” to “LDC” throughout the guideline. Removed “NJ Definitions” and replaced it with “LDC Definitions” and “ESP Definitions” in the Notes section. * Changed LIN01 to say that the tracking number must be unique over all time. * Corrected LIN03 to “Identifies the product” instead of “Indicates a customer request to obtain Electric Service” * Clarified requirement of REF\*17 * Corrected spelling errors and formatting. * Added “How to use the implementation guideline” page. In addition, changed all headers to the true X12 definition… correcting some mistakes that were missed in the upgrade from Version 3070 to Version 4010. Also corrected the Table on Page 4 to reflect X12 definitions and added the words "X12 Structure” to the title on that page. * Added examples (Zip+4 on N4, FX & EM on PER, etc.) * Updated rules for status and rejection reasons. * Combined “PA Implementation” with “PA Use” * On the REF\*MT & REF\*TU segments, changed “This segment must also be sent when account has UNMETERED services available for generation service (Rate Ready).” to “This segment will not be provided in the NM1 loop for UNMETERED services.” * Changed Note from "One 814 per Account" to "One Account per 814". * Clarified text explaining "Unknown LIN05 Codes" * Clarified text explaining "Rejection vs. Acceptance with Status Reason code" * Clarified text explaining " Requesting Summary Only information for Interval Data" * Clarified text in LIN03 explaining "Secondary Service**"** * Clarified DTM129 "Customer Contract Effective Date" to indicate the Date is required for CE Request only - not all Requests * Removed the following note from all QTY02 elements: " Note that a more appropriate segment would be the QTY (quantity), however until we can petition X12 to add a QTY segment to the 814, we must use the AMT segment" |
| July 2, 1999  Version 2.1 |  | * Spell check corrections * Formatting corrections |
| July 14, 1999  Version 2.2 |  | Change Control Process Change #001:   * Corrected On/Off Peak in REF\*TU and examples. The codes 41 and 42 were reversed. * Corrected X12 code description for REF\*IX to “Item Number” |
| October 1, 1999  DRAFT Version 2.2b |  | Change Control Process Change #004:   * N1\*8R – corrected examples for customer reference number * Reordered the REF\*7G Error codes alphabetically * Added note to REF\*TZ (LDC Meter Cycle) that it is optional for Unmetered * Historical Usage, Meter Information and Summary Interval Response Examples - changed “13” to “11” in BGN01 * Special Meter Read Example – changed “029” to “021” in multiple request * AMT\*DP provided in Multiple Response Example (and should not be) * Modified Notes section on unknown LIN05 codes to be consistent with other content in Implementation Guide. * Added tentative use for Delaware Delmarva * Added clarifying note for meter type – if COMBO, only send one REF\*MT. * Added note for Delmarva indicating they will only be storing 20 characters. * Rejection Examples: Remove sending of echoed fields. It is allowed, but is optional, and most utilities will not be sending it. * Added clarifying note for use of tax exemption percent in NJ * Fixed some X12 definitions * Added clarifying note regarding invalid LIN05 codes * Added clarifying note regarding REF03 field for meter (“COMBO” is not valid) |
| November 4, 1999  Version 2.3 |  | This is a FINAL version for Pennsylvania and New Jersey |
| November 1999  Draft version 2.3MD1 |  | * Add Maryland use to document – the changes were added to the version 2.3 of the regional standards * Added Data Dictionary * Added Table of Contents * Added REF03 to REF\*BF for special condition for bill cycle for MD |
| December 23, 1999  Version 2.3MD2 |  | * Clarified Delmarva and Allegheny plans for sending monthly interval data * Remove REF\*17 (Field 57) from CE Lin Data Dictionary * Modified Data Dictionary Customer Name and Billing Name length to allow for 60 for Maryland * Clarified APS use of N1\*2C (Party to Receive Copy of Bills) * Move Maryland Historical Usage notes from REF\*1P to General Notes section * Remove REF\*PRT for Load Cycling Device for Md (this method did not solve issue since it was at meter level and did not indicate quantity) * Clarified use of REF\*NR for Maryland utilities * Added 4 new AMT segments for the Maryland taxes (AAO-Local/County tax, BAK-Franchise tax, F7-State Sales Tax, N8-Environmental tax) * Added 2 new AMT segments for Load Management program (L0-Water Heater, 5J-Air Conditioners) * Added Rejection Reason codes ANQ (Billing Agent not certified by utility) and C02 (customer on credit hold) to support ESP consolidated billing (PA) |
| February 24, 2000  Version 2.3MD3 |  | * Clarified County field for N1\*8R for Maryland * Added City tax for MD * Added clarification for APS in MD on sending of 867HU * Renumbered items in data dictionary where City added * Added FRD as rejection code for MD and DE (Delmarva) - (Bill Option not valid for this type of document) |
| March 31, 2000  Version 2.3MD4 |  | * Corrected TOC for REF=PR * Added MD comment to indicate Historical Usage request was initially only considered for already enrolled customers. Its use for Pre-enrollment still being negotiated as of 3/2000. * This transaction is considered FINAL for Maryland |
| March 31, 2000  Version 2.3MD5 |  | * Clarified PA Notes on response when using SI secondary service request BY account * Corrected LIN examples from LIN\*SH to LIN\*1\*SH |
| May 14, 2000  Version 2.4 |  | * Incorporate PA Change Request X020 – Two new REF\*7G codes (NCB and NEB) for supplier consolidated billing * Incorporate PA Change Request X022 – Add clarification to Bill Cycle (REF\*BF) as it relates to summary billing * Incorporate MD Change Control M001 – Several tax exemption segments had been added for MD use. After further review, it was determined they are not needed to support generation charges. As MD was only state using these segments, the segments will be removed from the document. They are AMT\*C (City Tax), AMT\*BAK (Franchise Tax), AMT\*AAO (County/Local Tax) and the AMT\*N8 (Environmental Tax) segments. * This document is a new finalized version of PA and MD. NJ is still using Version 2.3. |
| August 11, 2000  Version 2.4a |  | * REF\*BF – modify NJ Use to reflect what use is. Note that had been added for PA was only addressed for PA. Indicate DE Delmarva and MD as same as NJ. * Indicated DTM\*MRR not used Day 1 for NJ or DE Delmarva * Indicate PSEG does not provide Bill Address information (N1\*BT). * REF\*7G responses for CE – Indicate following codes are not valid for NJ: ANQ, NCB, NEB, RCF * Change LIN\*1 to LIN\*23451 to minimize confusion with people thinking this is a counter within the transaction. * Add clarification to PSEG sending of City / State in N4 segment in N1\*8R loop. * Add clarification to DTM\*129 field to indicate PSE&G expects to receive only eastern time. |
| September 10, 2000  Version 2.5 |  | This transaction is a new FINAL version for Pennsylvania, New Jersey, Maryland, and Delaware (Delmarva only). |
| June 15, 2001  Version 2.6 |  | REF\*7G (Rejection Reason Code) – modified note on rejection code “CO2” to included NJ. |
| October 19, 2001  Version 2.6rev01 |  | * Incorporate Delaware Electric Coop (DEC) information for Delaware * Incorporate PA Change Control 027 – Allow use of D30 as a valid rejection code (customer has requested rejections of enrollments by this ESP) * Incorporate PA Change Control 029 – ESP Account number should exclude punctuation, and must include significant leading and trailing zeros. * Incorporate PA Change Control 031 – Add REF\*7G code of UNE to indicate the utility code not be identified. * Correct Data Element number (352) for REF03 in REF\*BF and REF\*SPL segments |
| December 13, 2001  Version 2.6rev02 |  | Incorporate PA Change Control 038 – indicate AMT\*7N and AMT\*QY must always be 100% for PA. Also, Change PP&L to PPL EU. |
| January 9, 2002  Version 3.0 |  | This transaction is a new FINAL version for Pennsylvania, New Jersey, Maryland, and Delaware. |
| April 5, 2005  Version 3.01PA |  | * Incorporate PA Change Control 042 - Modify language throughout EDEWG 814 change, enrollment, & reinstatement transactions to agree with the data dictionary for the LIN. Wording change is related to removal of word ‘obligation’ and replacement with ‘*contribution’*. * Deleted note in first bullet under General Notes section, Unknown LIN05 codes, PA Rules. Also deleted all references to the SNP code in the REF\*7G. The SNP code is not longer be in use by any PA EDC. |
| January 20, 2006  Version 3.02D |  | * Incorporate NJ Change Control 003 (Update transaction to reflect actual practices) * Incorporate NJ Change Control 005 (NJ CleanPower program changes) * Note NJ Change Control 003 included creating separate boxes for each state’s notes. The text of the other state’s notes did not change. |
| October 23, 2006  Version 3.0.3D |  | * Incorporate NJ Change Control 008 to reflect NJ CleanPower – unmetered usage for RECO) * Incorporate NJ Change Control 009 to reflect NJ CleanPower change for partial usage. |
| February 12, 2007  Version 3.0.4F |  | * Considered FINAL for PA and NJ |
| August 8, 2009  Version 3.0.7D |  | * Incorporate PA Change Control 050 – changes for 867HI * Incorporate NJ Change Control PSEG-E-REF45 and PSEG-E-HI * Incorporate MD Change Control RM17-814 * Incorporate MD Change Control RM17-HU * Incorporate PA Change Control 057 |
| January 24, 2010  Version 3.1 |  | This transaction is a new FINAL version for Pennsylvania, New Jersey, Maryland, and Delaware. |
| November 4, 2010  Version 3.1.1D |  | * Incorporate PA Change Control 060 (PA Admin/Cleanup Change Control) * Incorporate PA Change Control 061 (Clarify DTM129) * Incorporate PA Change Control 065 (Add REFLF and REFSV to NM1 loop) * Incorporate PA Change Control 067 (PPLEU Rate Ready) * Incorporate PA Change Control 068 (PECO 867HI Implementation) * Incorporate PA Change Control 070 (Remove HG from LIN05) * Incorporate PA Change Control 073 (Modify language throughout EDEWG 814 change, enrollment, & reinstatement transactions to update wording of AMT\*KC and AMT\*KZ to reflect appropriate PJM terminology. AMTKC = PLC & AMTKZ=NSPL * Incorporate MD Change Control – REF1P (MD notes & use of REF1P for MD) * Incorporate MD Change Control – Admin (Admin/cleanup 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 085 (REF\*KY) * Incorporate PA Change Control 089 (MTI in REF\*7G) * Incorporate PA Change Control 090 (REF03 in REF\*KY) * Incorporate PA Change Control 093 (Admin Updates) * Incorporate PA Change Control 094 (new REF\*7G codes) * Incorporate MD Change Control 008 (clarify PEPCO HU/HI Support) * Incorporate MD Change Control 010 (PEPCO AMI/Smart Meter Support) |
| 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 095 (REF03 in REF\*KY) * Incorporate PA Change Control 096 (clarify AMT\*DP) * Incorporate PA Change Control 097 (PECO Summary/Interval Support) * Incorporate PA Change Control 098 (Add LSI code to REF\*7G for CE) * Incorporate PA Change Control 100 (Add support for ESP Referral Program Enrollments via EDI) * Incorporate PA Change Control 101 (remove AMT\*LD from request; rescinds CC 58) * Incorporate PA Change Control 102 (increase REF\*BF length in Data Dictionary) * Incorporate PA Change Control 104 (rescind CC 100 – ESP Referral Program) * Incorporate MD Change Control 014 (make REF\*LF & REF\*SV same as PA) * Incorporate MD Change Control 015 (add support of 867HI for MD) * Removed Special Read (SR) as valid code in LIN, no utility in region supports |
| March 17, 2014  Version 6.1 |  | * Incorporate PA Change Control 107 (add APA code to REF\*7G in CE, HU & HI) * Incorporate PA Change Control 110 (add NIA & IHA to REF\*7G in HI) * Incorporate MD Change Control 021 (PHI new CIS, changes to 814E) * Incorporate MD Change Control 028 (BGE support of 867IU) * Incorporate MD Change Control 030 (Net Meter Indicator in REF\*KY) * Incorporate MD Change Control 032 (BGE pre-enroll HU/HI support) * Incorporate MD Change Control 033 (BGE LIN handling / response) * Incorporate NJ Change Control Electric 015 (Net Meter Indicator in REF\*KY) * Incorporate NJ Change Control Electric 022 (ACE new CIS, changes to 814E) * Incorporate NJ Change Control Electric 026 (Account arrears in AMT\*PJ) * Incorporate PA 117 & NJE030 (Add NFI code to REF\*7G in CE) * Incorporate NJ Change Control Electric 031 (Remove RECO from Guide) |
| February 18, 2015  Version 6.2 |  | * Incorporate PA Change Control 119 (REFSPL optional), remove ANL from REF7G) * Incorporate NJ Change Control Electric 033 (REFSPL optional) |
| March 14, 2017  Version 6.3 |  | * Incorporate PA Change Control 132 (add Instant Connect flag in REF\*IC) * Incorporate PA Change Control 137 (remove DTM\*MRR from IG) * Incorporate NJ Change Control Electric 038 (clarify PLC/NSPL effective dates) * Incorporate NJ Change Control Electric 042 (require N1\*8R address in 814HU) * Incorporate MD Change Control 044 (Aggregate Net Energy Metering family identifier in REF\*AN) * Incorporate MD Change Control 047 (Add MAX code to REF\*7G in CE) |

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|  |  | General Notes |
| One Account per 814 |  | One customer account per 814. |
| Tracking number on Request and Response transactions |  | On the request, the LIN01 is a unique tracking number for each line item (LIN) in this transaction. This number must be unique over all time, and is assigned by the sender of the request transactions. This number must be returned on the response transaction (accept or reject), in the same element (LIN01). |
| Multiple LINs |  | * There may be multiple detail LIN loops for each customer account. * It is important that the sender order the LIN loops in the order they would like them processed for all primary services. * Refer to the LIN segment within this document for a better understanding of primary and secondary services. * The sender may send one service per account per 814 instead of using multiple LIN segments. |
| Response per LIN |  | * There must be one response LIN for each request LIN. * These responses may be created and sent at different times in different 814 transactions, but all LINs must be responded to within the time limits set by the respective Commission. |
| Rejection vs. Acceptance with Status Reason code |  | * A Status Reason code is different than a Rejection Reason code. The Status Reason code is used to give additional information to the receiving party (an FYI). For example, if a request for Historical Usage is sent and the transaction is valid, but historical usage is not available for that customer, the transaction is accepted and a status reason code is provided to explain that the historical usage will not be sent. If a transaction is rejected, the requester is expected to follow up and resubmit; whereas if a transaction is accepted with a status reason code, the requester is not expected to take any further action. |
| 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. |

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|  |  | Pennsylvania Notes |
| Unknown LIN05 codes |  | **PA Rules:**   * If an LDC receives a request for a service that the state does not support, the LDC should **reject** it with a REF\*7G\*SDE\*SERVICE DOES NOT EXIST * If an LDC receives a request for a service that the state supports, but the LDC does not, the LDC should **accept** it, but then send a status code REF\*1P\*SNP\*SERVICE NOT PROVIDED |
| Requesting Summary Only information for Interval Data  (**PA Only**) |  | Every utility must provide the ability for a supplier to receive interval data at either the summary level or the detail level.   * The default, except for PPL EU and PECO, is that an ESP will receive interval data at the summary and the detail level. If an ESP wants interval data at both the summary and the detail level the ESP does not need to take any action. * For PPL EU, because nearly all customers have interval meters, the default is for the ESP to receive summary data only. If an ESP wants interval data at both the summary and detail levels, the ESP must submit “SI” and include the REF\*17\*DETAIL segment. * For PECO, the default is also for the ESP to receive summary data. If an ESP wants interval data at the detail level, the ESP must submit “SI” and specify account-level versus meter-level detail via the REF\*17 segment. Please note that, unlike PPL EU, PECO does not provide interval data for billing at both the summary and detail levels; The ESP may receive either summary or detail, but not both. * If an ESP wants to receive interval data at only the summary level, the ESP must: * Contact the LDC to determine if the LDC supports summary level data by account or by ESP * If the LDC supports summary level interval data by account, the ESP must submit “SI” in the LIN05 to indicate that only summary level interval data is requested for the account. * If the LDC supports summary level interval data by ESP (PECO follows this practice), the “SI” in the LIN05 is not used. The ESP must call the supplier interface group at the LDC to request summary level interval data. The LDC will then return summary level interval data for ALL accounts for that ESP. * For PPL EU, if an ESP wants interval data at both the summary and detail levels, the ESP must submit “SI” and include the REF\*17\*DETAIL segment * As stated above, PECO does not provide interval data for billing at both the summary and detail levels; The ESP may receive either summary or detail, but not both.   Responses to a Summary Interval Request (LIN05=SI):   * If the utility does not provide this capability by account, they will accept the request, but respond with a Status Reason code (1P) of SNP for “Service Not Provided”. * **Excluding PECO:** If the utility provides this service by account, but the account is not an interval account, they will accept the request, but respond with a Status Reason code (1P) of UMA for “Unmetered or non-interval account”. * PECO provides this service by account. If the account is not an interval account, PECO will reject the request, responding with a Status Reason code (7G) of NIA for “Not interval account”.   If the utility provides this service by account, and the account is an interval account, the utility will accept this request, and in their response send a REF\*17\*SUMMARY. |

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|  |  | New Jersey Notes |
| Unknown LIN05 codes |  | **NJ Rules:**   * If an LDC receives a request for a service that it does not support (whether the state supports it or not), the LDC should **accept** it, but then send a status code REF\*1P\*SNP\*SERVICE NOT PROVIDED |
| Requesting Summary Only information for  Monthly Interval Data |  | Details for each EDC:   * PSE&G – all interval accounts will receive interval details. Accounts that have both interval and non-interval meters will receive the 867IU with information relating to both interval and non-interval meters. * JCP&L – An enrollment for an interval account will automatically default to receive an 867 IU with interval detail. A TPS can request to receive interval summary by sending a LIN loop with LIN05 = SI and REF\*17\*SUMMARY. * Atlantic City Electric – Effective with new CIS, an enrollment for an interval account will automatically default to receive and 867IU with interval detail. A TPS can request to receive interval summary by sending a LIN loop with LIN05 = SI and REF\*17 = SUMMARY. ACE will also state if the account being enrolled has an actively interval billed AMI SMART meter. ACE will also support the use of the EDI 867 Historical Interval Usage transaction set. |
| Rockland Electric Co (RECO) |  | Rockland Electric Co. does not follow this regional EDI implementation guideline. Instead RECO utilizes the New York EDI standards. |
| PLC Tag Calculation |  | The following information may be used to determine the PLC/NSPL effective dates for the tags received on the Enrollment Response.   * ACE – The PLC/NSPL tags on the Enrollment Response are for the period identified by the Service Start Date (DTM\*150). * JCPL - If processed the last business day prior to June 1, the “current” tag would be sent. Starting June 1 the “new” tag would be sent. * PSEG – Changing their process so that if the tag is processed on the last business day prior to January 1, June 1 or October 1, the “current” tag will be sent. Starting with the effective date, the “new” tag would be sent. Implementation targeted for the 1st quarter of 2016. * Rockland - If processed the last business day prior to June 1, the “current” tag would be sent. Starting June 1 the “new” tag would be sent. |

|  |  |  |
| --- | --- | --- |
|  |  | Delaware |
| Unknown LIN05 codes |  | **DE Rules:**   * If an LDC receives a request for a service that it does not support (whether the state supports it or not), the LDC should **accept** it, but then send a status code REF\*1P\*SNP\*SERVICE NOT PROVIDED |
| Requesting Summary Only information for Monthly Interval Data |  | Follows Delmarva MD processes |
| Handling of Historical Usage Requests: |  | Follows Delmarva MD processes |
|  |  | Maryland Notes |
| Unknown LIN05 codes |  | **MD Rules:**   * If an LDC receives a request for a service that it does not support (whether the state supports it or not), the LDC should **accept** it, but then send a status code REF\*1P\*SNP\*SERVICE NOT PROVIDED |
| Requesting Summary Only information for  Monthly Interval Data  (**MD Only**) |  | Every utility must provide the ability for a supplier to receive interval data at either the summary level or the detail level. If Interval Summary is to be provided, all utilities will provide 867MU.    Delmarva, PEPCO, Potomac Edison (FE) - The default is that an ESP will receive interval data at the summary and the detail level. If an ESP wants interval data at both the summary and the detail level the ESP does not need to take any action.   * If an ESP wants to receive interval data at only the summary level, the ESP must submit “SI” in the LIN05 and REF\*17 = ‘SUMMARY’ to indicate that only summary level interval data is requested for the account. * The ESP may request summary level interval data post enrollment by submitting a Change Request at a later date.   BGE – The default is that an ESP will receive interval data at the summary level only.   * If an ESP wants to receive interval data at the detail level for AMI/Smart metered accounts, the ESP must submit “SI” in the LIN05 and “DETAIL” in the REF17. * The ESP may request detail level interval data post enrollment by submitting a Change Request at a later date. * For non-AMI/Smart metered interval accounts, the ESP will receive 867MU with the detail interval data posted to BGE’s website. * BGE has special transaction handling scenarios which may be unique to BGE. The following table outlines BGE processing…  |  |  |  | | --- | --- | --- | | **Scenario** | **Type of Acct.** | **Reaction** | | CE, SI - DETAIL, HU, HI | AMI | Accept all | | CE, SI - DETAIL, HI | Non-AMI | Accept CE, Accept SI - UMA, Accept HI - HIU (send HU) | | CE, SI - DETAIL, HU, HI | Non-AMI | Accept CE, Accept SI - UMA,  Accept HU, Accept HI - HIU (don't send another HU) | | CE, SI - SUM, HU, HI | AMI | Accept all | | CE, SI - SUM, HI | Non-AMI | Accept CE, Accept SI - UMA, Accept HI - HIU (send HU) | | CE, SI - SUM, HU, HI | Non-AMI | Accept CE, Accept SI - UMA, Accept HU, Accept HI - HIU (don't send another HU) | | SI (no CE) | Either | Reject SSR - Secondary service rejected | | SI, HI, HU | Either | Reject SSR - Secondary service rejected | | CE, SI - No REF17 | AMI | Accept CE, Accept SI - A13 – SSR-Required info missing or invalid | | HI | Non-AMI | Accept HI - HIU (send HU) | | CE, SI | PBS | Accept CE, Accept SI - SNP – Service Not Provided |   Responses to a Summary Interval Request (LIN05=SI):   * If the utility does not provide this capability at the account level, they will accept the request, but respond with a Status Reason code (1P) of SNP for “Service Not Provided”. * If the utility provides this service at the account level, but the account is not an interval account, they will accept the request, but respond with a Status Reason code (1P) of UMA for “Unmetered or non-interval account”. * If the utility provides this service at the account level, and the account is an interval account, the utility will accept this request, and in their response send a REF\*17\*SUMMARY.   If Interval Detail is to be provided, the following are the plans by utility:   * BG&E – For AMI/Smart metered accounts, BGE will provide 867IU if requested as stated above. For non-AMI/Smart metered accounts, no 867IU will be sent. Interval data will be provided on web; however, an 867MU will be provided for the Summary data. * Delmarva & Potomac Edison – Will provide 867IU * PEPCO / Delmarva– Will provide 867IU for both non-AMI/Smarts Meter billed accounts and AMI/Smart Interval Meter Billed accounts. AMI/Smart Interval Billed accounts will be denoted accordingly. Additionally, PEPCO and Delmarva state if the meter being enrolled is an actively interval billed AMI SMART meter and if LIN05 “SI” is not populated on an active interval billed AMI SMART metered account, the 867IU will be sent. PEPCO will no longer support posting interval usage on the Supplier Web Portal. |
| Maryland – Handling of Historical Usage Requests: |  | Special Historical Usage Notes:  Maryland EDI CC 15 added support of the EDI 867 Historical Interval (HI) transaction for Maryland.  BGE – live January 2014, supports account level  Potomac Edison – TBD, will support account level  PHI (Delmarva MD & PEPCO MD) – with new CIS (est. early-mid 2015), will support account level  **BG&E Note:** For Historical Usage (HU) requests on a non-interval account, the response will be accepted and the historical usage will be provided via an 867HU. As of January 16, 2014 BGE supports EDI requests for pre-enrollment historical data. See table in above section for special response handling relative to BGE historical usage requests.  **PEPCO / Delmarva Note**: Will support the 867 HI (Historical Interval Usage) transaction set as follows:   * Interval Metered Accounts – The HI request will be accepted with REF\*1P=HIA and 867HI will be sent. * Non-Interval Metered Accounts – The HU request will be accepted with REF\*1P = HUA and the 867HU will be sent.   If no historical usage is available, the request will be accepted with REF\*1P = HUU and no 867 will be sent. Historical Interval readings will not be posted on the Supplier Web portal.  **Potomac Edison Note:** PE will provide an 867HU (Monthly Historical Information) for all Historical usage (HU) requests. Requests for historical interval data must be made outside of EDI. |
| Maryland – Handling of Pre-Enrollment Historical Usage Requests: |  | BGE, Potomac Edison, Delmarva, and PEPCO support using EDI to satisfy summary level pre-enrollment historical usage requests for supplier who have met state and utility specific requirements. |
| Maryland – RM17 814 HU Responses: |  | The following fields will be sent in the 814 Historical Usage accept response transaction from the LDC to the ESP:  Service Address fields (N1\*8R - N3, N4, PER segments)  Billing Address fields (N1\*BT - N3, N4, PER segments) |

# How to Use the Implementation Guideline

**Segment: REF Reference Identification**

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

**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.

1. If either C04003 or C04004 is present, then the other is required.
2. 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:**

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

|  |  |  |  |
| --- | --- | --- | --- |
| **Notes:** |  | Recommended by UIG | |
| **PA Use:**  This section is used to show the individual State’s Rules for implementation of this segment. |  | 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:  Accept Response:  Reject Response: | Required  Required  Required |
| **NJ Use:** |  | Same as PA | |
| **Example:**  One or more examples. |  | REF\*12\*2931839200 | |

**Data Element Summary**

**Ref. Data**

**Des. Element Name X12 Attributes**

|  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Must Use** | **REF01** | **128** | **Reference Identification Qualifier** | | | | **M** | **ID 2/3** | | |
|  | | | Code qualifying the Reference Identification | | | | | | |
|  | | | | 12 |  | Billing Account | | |
|  | | | | | | LDC-assigned account number for end use customer. | | |
| **Must Use** | **REF02** | **127** | **Reference Identification** | | | | **X** | **AN 1/30** | | |
|  | | | Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier | | | | | | |

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

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 use of each data element. If state rules differ, this will show “Conditional” and the conditions will be explained in the appropriate grayboxes.

**814 General Request, Response or Confirmation**

# X12 Structure

**Functional Group ID=GE**

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

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | **Detail** | | | | | | | | | | | | |
|  | **Pos.** | **Seg.** |  | **Req.** |  | **Loop** | **Notes and** | | | | | | |
|  | **No.** | **ID** | **Name** | **Des.** | **Max. Use** | **Repeat** | **Comments** | | | | | | |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  |  |  | LOOP ID – LIN |  |  | >1 |  |  |  |  |  |  |  |
|  | 010 | LIN | Item Identification | O | 1 |  |  |  |  |  |  |  |  |
|  | 020 | ASI | Action or Status Indicator | O | 1 |  |  |  |  |  |  |  |  |
|  | 030 | REF | Reference Identification | O | >1 |  |  |  |  |  |  |  |  |
|  | 040 | DTM | Date/Time Reference | O | >1 |  |  |  |  |  |  |  |  |
|  | 060 | AMT | Monetary Amount | O | >1 |  |  |  |  |  |  |  |  |
|  |  |  | LOOP ID – NM1 |  |  | >1 |  |  |  |  |  |  |  |
|  | 080 | NM1 | Individual or Organizational Name | O | 1 |  |  |  |  |  |  |  |  |
|  | 130 | REF | Reference Identification | O | >1 |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |

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| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | **Summary** | | | | | | | | | | | | |
|  | **Pos.** | **Seg.** |  | **Req.** |  | **Loop** | **Notes and** | | | | | | |
|  | **No.** | **ID** | **Name** | **Des.** | **Max. Use** | **Repeat** | **Comments** | | | | | | |
| Must Use | 150 | SE | Transaction Set Trailer | M | 1 |  |  |  |  |  |  |  |  |

**Transaction Set Notes:**

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

# Data Dictionary for Generation Services (LIN05=CE)

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| ***Generation Services (CE) Request and Response Data Dictionary*** | | | | | | | |
| ***Appl Field*** | ***Field Name*** | ***Description*** | ***EDI Segment*** | ***Loop / Related EDI Qualifier*** | | ***Data***  ***Type*** | |
| 1 | Transaction Set Purpose Code | Request = **13**  Response = **11** | BGN01 |  | | X(2) | |
| 2 | Transaction Reference Number | A unique transaction identification number assigned by the originator of this transaction. This number must be unique over time. | BGN02 |  | | X(30) | |
| 3 | System Date | Date that the data was processed by the sender’s application system. | BGN03 |  | | 9(8) | |
| 4 | Original Transaction Reference Number | Transaction Reference Number echoed from the Original Request Transaction (BGN02). | BGN06 |  | | X(30) | |
| 5 | LDC Name | LDC’s Name | N102 | N1: N101 = **8S** | | X(60) | |
| 6 | LDC Duns | LDC’s DUNS Number or DUNS+4 Number | N104 | N1: N101 = **8S**  N103 = **1** or **9**  N106 = **40** or **41** | | X(13) | |
| 7 | ESP Name | ESP’s Name | N102 | N1: N101 = **SJ** | | X(60) | |
| 8 | ESP Duns | ESP’s DUNS Number or DUNS+4 Number | N104 | N1: N101 = **SJ**  N103 = **1** or **9**  N106 = **40** or **41** | | X(13) | |
| 8.1 | Renewable Energy Provider Name | Renewable Energy Provider 's Name | N102 | N1: N101 = **G7** | | X(60) | |
| 8.2 | Renewable Energy Provider Duns | Renewable Energy Provider 's DUNS Number or DUNS+4 Number | N104 | N1: N101 = **G7**  N103 = **1** or **9**  N106 = **40** or **41** | | X(13) | |
| 9 | Customer Name | Customer Name as it appears on the Customer’s Bill | N102 | N1: N101 = **8R** | | X(35)  Note: X(60) for MD | |
| 10 | Customer Reference Number | A reference number assigned by and meaningful to the customer. An example would be Store number | N104 | N1: N101 = **8R**  N103 = **1** or **9** | | X(30) | |
| 11 | Service Address | Customer Service Address | N301 & N302 | N1: N101 = **8R** | | X(55) | |
| 12 | City | Customer Service Address | N401 | N1: N101 = **8R** | | X(30) | |
| 13 | State | Customer Service Address | N402 | N1: N101 = **8R** | | X(2) | |
| 14 | Zip Code | Customer Service Address | N403 | N1: N101 = **8R** | | X(9) | |
| 15 | County | Customer Service County | N406 | N101 = **8R**  N405 = **CO** | | X(30) | |
| 16 | Customer Contact Name | Customer Contact Name | PER02 | PER01=**IC** | | X(60) | |
| 17 | Customer Telephone Number | Contact Telephone Number for the customer | PER04 | N1: N101 = **8R**  PER01 = **IC**  PER03 = **TE** | | X(10) | |
| 18 | Customer Billing Name | Name on Billing Address | N102 | N1: N101 = **BT** | | X(35)  Note: X(60) for MD | |
| 19 | Customer Billing Street Address | Customer Billing Address | N301 & N302 | N1: N101 = **BT** | | X(55) | |
| 20 | Billing City | Customer Billing Address | N401 | N1: N101 = **BT** | | X(30) | |
| 21 | Billing State | Customer Billing Address | N402 | N1: N101 = **BT** | | X(2) | |
| 22 | Billing Zip Code | Customer Billing Address | N403 | N1: N101 = **BT** | | X(9) | |
| 23 | Billing Country Code | Customer Billing Address | N404 | N1: N101 = **BT** | | X(3) | |
| 24 | Billing Contact Name | Billing Contact Name | PER02 | PER01=**IC** | | X(60) | |
| 25 | Billing Telephone # | Contact Telephone Number related to this billing address | PER04 | N1: N101 = **BT**  PER01 = **IC**  PER03 = **TE** | | X(10) | |
| 26 | Third Party Name for copies of notices | Name for Third Party to receive copies of notices | N102 | N1: N101 = **PK** | | X(35) | |
| 27 | Street Address | Address for Third Party to receive copies of notices | N301 & N302 | N1: N101 = **PK** | | X(55) | |
| 28 | City | Address for Third Party to receive copies of notices | N401 | N1: N101 = **PK** | | X(30) | |
| 29 | State | Address for Third Party to receive copies of notices | N402 | N1: N101 = **PK** | | X(2) | |
| 30 | Zip Code | Address for Third Party to receive copies of notices | N403 | N1: N101 = **PK** | | X(9) | |
| 31 | Country Code | Address for Third Party to receive copies of notices | N404 | N1: N101 = **PK** | | X(3) | |
| 32 | Third Party Name for Contact for Copies of Notices | Third Party Name for Contact for Copies of Notices | PER02 | PER01=**IC** | | X(60) | |
| 33 | Telephone Number | Contact for Third Party to receive copies of notices | PER04 | N1: N101 = **PK**  PER01 = **IC**  PER03 = **TE** | | X(10) | |
| 34 | Third Party Name for copies of bills | Name for Third Party to receive copies of bills | N102 | N1: N101 = **2C** | | X(35) | |
| 35 | Street Address | Address for Third Party to receive copies of bills | N301 & N302 | N1: N101 = **2C** | | X(55) | |
| 36 | City | Address for Third Party to receive copies of bills | N401 | N1: N101 = **2C** | | X(30) | |
| 37 | State | Address for Third Party to receive copies of bills | N402 | N1: N101 = **2C** | | X(2) | |
| 38 | Zip Code | Address for Third Party to receive copies of bills | N403 | N1: N101 = **2C** | | X(9) | |
| 39 | Country Code | Address for Third Party to receive copies of bills | N404 | N1: N101 = **2C** | | X(3) | |
| 40 | Third Party Contact Name for copies of bills | Name for Third Party Contact to receive copies of bills | PER02 | N1: N101 = **2C** | | X(60) | |
| 41 | Telephone Number | Contact for Third Party to receive copies of bills | PER04 | N1: N101= **2C**  PER01 = **IC**  PER03 = **TE** | | X(10) | |
| 42 | Line Item Transaction Reference Number | Unique Tracking Number for each line item in this transaction. This number must be unique over time. | LIN01 |  | | X(20) | |
| 43 | Generation Services Indicator or Renewable Energy Certificate Service | Indicates a customer request to:  **CE** - switch to the designated ESP with which he or she has signed a contract for generation services.  **RC** – enroll with a Renewable Energy Provider | LIN05 = **CE** or **RC** | LIN02 = **SH**  LIN03 = **EL**  LIN04 = **SH** | | X(2) | |
| 44 | Action Code | Indicates that the transaction is a request, or whether this transaction has been accepted or rejected. | ASI01=  Request: **7**  Accept Response: **WQ**  Reject Response: **U** | LIN: ASI02= **021** | | X(2) | |
| ***Note that the following REF segments may appear in any order on the actual EDI transaction.*** | | | | | | | |
| 45 | Rejection Reason Code | Code explaining reason for rejection. | REF02 | LIN: REF01= **7G** | | X(3) | |
| 46 | Rejection Reason Text | Text explaining rejection. | REF03 | LIN: REF01= **7G** | | X(80) | |
| 47 | Status Reason Code | Code providing additional information | REF02 | LIN: REF01= **1P** | | X(3) | |
| 48 | Status Reason Code Text | Text detailing the information | REF03 | LIN: REF01= **1P** | | X(80) | |
| 49 | ESP Account Number | ESP Customer Account Number | REF02 | LIN: REF01= **11** | | X(30) | |
| 50 | LDC Account Number | LDC Customer Account Number | REF02 | LIN: REF01= **12** | | X(30) | |
| 51 | Old Account Number | Previous LDC Customer Account Number | REF02 | LIN: REF01= **45** | | X(30) | |
| 52 | Payment Arrangement | Used to indicate whether customer has an active payment arrangement with the LDC. | REF02= **Y** or **N** | LIN: REF01= **4N** | | X(1) | |
| 53 | Aggregate Net Energy Meter Role | The role of the customer account in the Aggregate Net Energy Meter family | REF02 | LIN: REF01=  **AN** | | X(30) | |
| 53.1 | Aggregate Net Energy Meter ID Number | Aggregate Net Energy Meter Family ID Number used to identify the ANEM family. | REF03 | LIN: REF01=  **AN** | | X(30) | |
| 54 | LDC Billing Cycle | LDC Cycle on which the bill will be rendered | REF02 | LIN: REF01= **BF** | | X(4) | |
| 55 | Billing Type | Indicates type of billing   * LDC consolidated Billing (REF02=LDC) * ESP consolidated Billing (REF02=ESP) * Dual bills (REF02=DUAL) | REF02 | LIN: REF01= **BLT** | | X(4) | |
| 56 | Billing Calculation Method | Indicates party to calculate bill.   * LDC calculates bill (REF02=LDC) * - Each party calculates its portion of the bill (REF02=DUAL) | REF02 | LIN: REF01= **PC** | | X(4) | |
| 57 | LDC Budget Billing Status | Transmits the current budget billing status shown for this customer on the LDC system. | REF02= **Y** or **N** | LIN: REF01= **NR** | | X(1) | |
| 58 | PJM LMP Bus | Point at which the customer is connected to the transmission grid | REF03 | LIN: REF01= **SPL** | | X(80) | |
| 59 | Summary Interval | Used to convey the level of interval data the ESP will receive  (REF03=SUMMARY) information, or detail and summary  (REF03=DETAIL) information for an interval usage account. For PECO this is Account-Level Detail data.  (REF03=METERDETAIL) information for an interval usage account at meter level (PECO only) | REF03 | LIN: REF01= **17** | | X(80) | |
| 60 | Special Meter Configuration Code | Used to convey there’s a special meter present on the account. For example, Net Metering | REF02 | LIN: REF01 = **KY** | | X(3) | |
| 61 | Special Meter Configuration Information | PPLEU-used to report the max K1 (demand) the special meter supports | REF03 | LIN: REF01 = **KY** | | X(80) | |
| 61.1 | Instant Connect | Used to indicate the customer is establishing service under the rules established for Instant Connects. (FirstEnergy in PA only) | REF02= Y or N | LIN: REF01 = IC | | X(80) | |
| 62 | Customer Contract Effective Date/Time | Date/Time ESP entered into contract with customer – used to determine which supplier is the last one in.  CCYYMMDD HHMM ZZ | DTM02, DTM03 & DTM04 | LIN: DTM01 = **129** | | See  EDI  Guide | |
| 63 | Service Period Start | Date on which energy is expected to flow to this customer for the designated ESP. | DTM02 | LIN: DTM01 = **150** | | 9(8) | |
| ***Note that the following AMT segments may appear in any order on the actual EDI transaction.*** | | | | | | | |
| 64 | Participating Interest | Percent of the customer’s load the ESP is requesting service for. If an ESP is only responsible for half of the customer’s eligible load, the amount .5 will be returned. | AMT02 | LIN: AMT01= **7N** | | 9(1).99999 | |
| 65 | Eligible Load Percentage | Percent of the customer’s load that is eligible for competition. For example, if 2/3 of the customer’s load is eligible, the amount .66667 will be returned. | AMT02 | LIN: AMT01= **QY** | | 9(1).99999 | |
| 66 | Percent Tax Exemption | Customer’s Tax Exemption Percentage –  Residential usually 100% (send 1), Commercial/Industrial – anything other than 0% requires you secure tax exemption certificate. (e.g., if 50% send .5) | AMT02 | LIN: AMT01= **DP** | | 9(1).9(4) | |
| 67 | State Sales Tax Exemption | Customer’s state sales tax exemption. Anything other than zero, supplier is required to secure tax exemption certificate. If 100% tax exempt, send 1. | AMT02 | LIN: AMT01=**F7** | | 9(1).9(4) | |
| 68 | Air Conditioners in Load Management Program | Number of air conditioners that are part of load cycling program | AMT02 | LIN: AMT01=**5J** | | 9(2) | |
| 69 | Water Heaters in Load Management Program | Number of water heaters that are part of load cycling program | AMT02 | LIN: AMT01=**L0** | | 9(2) | |
| 70 | Peak Load Contribution | Peak Load Contribution (PLC) provided to PJM for Installed Capacity calculation (coincident with PJM’s peak) | AMT02 | LIN: AMT01= **KC** | | 9(9).99 | |
| 71 | Network Service Peak Load | Customer’s Network Service Peak Load (NSPL) provided to PJM for the transmission service calculation (coincident with LDC peak) | AMT02 | LIN: AMT01= **KZ** | | 9(9).99 | |
| 72 | Number of Months | Number of Months over which the Total kWh (AMT\*TA) and/or Peak Demand (AMT\*MA) are calculated. | AMT02 | LIN: AMT01= **LD** | | 9(2) | |
| 73 | Peak Demand (12 mo) | Highest usage in the last 12 months (kW). | AMT02 | LIN: AMT01= **MA** | | 9(11).999 | |
| 73.1 | Account Arrearage (Number of Days) | Whole number indicating number of days the customer account is in arrears | AMT02 | LIN: AMT01= **PJ** | | 9(2) | |
| 75 | Total kWh | Total kWh for the number of months specified in the AMT\*LD segment (actual or estimated). | AMT02 | LIN: AMT01= **TA** | | 9(15) | |
| 76 | Meter Number | Number which identifies meter | Request: NM109= **ALL**  Response: NM109= [***meter number***] or  **UNMETERED** | NM101= **MQ**  NM102= **3**  NM108= **32** | | X(30) | |
| ***Note that the following REF segments may appear in any order on the actual EDI transaction.*** | | | | | | | |
| 77 | Loss Factor | Loss factor | REF02 | | NM1:REF01=**LF** | | X(30) |
| 78 | Profile Group | A code for the Load Profile used for this customer. Differs by LDC. Codes posted on LDC’s Web site. | REF02 | | NM1: REF01= **LO** | | X(30) |
| 79 | LDC Rate Code | Code indicating the rate a customer is being charged by LDC per tariff. Codes posted on LDC’s Web site | REF02 | | NM1: REF01= **NH** | | X(30) |
| 80 | LDC Rate Subclass Code | Used to provide further classification of a rate. | REF02 | | NM1: REF01= **PR** | | X(30) |
| 81 | ESP Rate Code | ESP rate code for customer | REF02 | | NM1: REF01= **RB** | | X(30) |
| 82 | Service Voltage | Service voltage | REF02 | | NM1:REF01=**SV** | | X(30) |
| 83 | LDC Meter Cycle | LDC Cycle on which the meter will be read | REF02 | | NM1: REF01= **TZ** | | X(2) |
| 84 | Meter Type | Type of Meter | REF02 | | NM1: REF01= **MT** | | X(5) |
| 85 | Meter Type Additional Information | Additional information for the meter type | REF03 | | NM1: REF01= **MT** | | X(80) |
| ***The following three fields each require that the Meter Type be shown in REF03:*** | | | | | | | |
| 86 | Meter Constant/Meter Multiplier | Some factor multiplied by the meter reading to give billed usage. | REF02 | | NM1: REF01= **4P**  REF03 = Meter Type (See REF\*MT) | | 9(9).99 |
| 87 | Number of Dials / Digits and related decimal positions | Needed to determine usage if meter reading rolls over during the billing period. Number of dials on the meter displayed as the number of dials to the left of the decimal, a decimal point, and number of dials to the right of the decimal. | REF02 | | NM1: REF01= **IX**  REF03 = Meter Type (See REF\*MT) | | 9.9 |
| 88 | Type of metering used for billing | Indicates the type of metering information that will be sent on the 867 transaction. | REF02=  **41** (on peak) or  **42** (off peak)  **43** (intermediate)  or  **51** (totalizer) | | NM1: REF01 = **TU**  REF03 = Meter Type (See REF\*MT) | | X(2) |

# Data Dictionary for Historical Usage Requests (LIN05=HU, HI)

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| ***Request for Historical Usage (HU) Request and Response Data Dictionary*** | | | | | | | | |
| ***Appl Field*** | ***Field Name*** | ***Description*** | | ***EDI Segment*** | | ***Loop / Related EDI Qualifier*** | | ***Data***  ***Type*** |
| 1 | Transaction Set Purpose Code | Request = **13**  Response = **11** | | BGN01 | |  | | X(2) |
| 2 | Transaction Reference Number | A unique transaction identification number assigned by the originator of this transaction. This number must be unique over time. | | BGN02 | |  | | X(30) |
| 3 | System Date | Date that the data was processed by the sender’s application system. | | BGN03 | |  | | 9(8) |
| 4 | Original Transaction Reference Number | Transaction Reference Number echoed from the Original Request Transaction (BGN02). | | BGN06 | |  | | X(30) |
| 5 | LDC Name | LDC’s Name | | N102 | | N1: N101 = **8S** | | X(60) |
| 6 | LDC Duns | LDC’s DUNS Number or DUNS+4 Number | | N104 | | N1: N101 = **8S**  N103 = **1** or **9**  N106 = **40** or **41** | | X(13) |
| 7 | ESP Name | ESP’s Name | | N102 | | N1: N101 = **SJ** | | X(60) |
| 8 | ESP Duns | ESP’s DUNS Number or DUNS+4 Number | | N104 | | N1: N101 = **SJ**  N103 = **1** or **9**  N106 = **40** or **41** | | X(13) |
| 8.3 | Renewable Energy Provider Name | Renewable Energy Provider 's Name | | N102 | | N1: N101 = **G7** | | X(60) |
| 8.4 | Renewable Energy Provider Duns | Renewable Energy Provider 's DUNS Number or DUNS+4 Number | | N104 | | N1: N101 = **G7**  N103 = **1** or **9** | | X(13) |
| 9 | Service Address | | Customer Service Address | | N301 & N302 | | N1: N101 = **8R** | X(55) | |
| 9.1 | City | | Customer Service Address | | N401 | | N1: N101 = **8R**  **MD ONLY** | X(30) | |
| 9.2 | State | | Customer Service Address | | N402 | | N1: N101 = **8R**  **MD ONLY** | X(2) | |
| 9.3 | Zip Code | | Customer Service Address | | N403 | | N1: N101 = **8R**  **MD ONLY** | X(9) | |
| 9.4 | County | | Customer Service County | | N406 | | N101 = **8R**  N405 = **CO**  **MD ONLY** | X(30) | |
| 9.5 | Customer Contact Name | | Customer Contact Name | | PER02 | | PER01=**IC**  **MD ONLY** | X(60) | |
| 9.6 | Customer Telephone Number | | Contact Telephone Number for the customer | | PER04 | | N1: N101 = **8R**  PER01 = **IC**  PER03 = **TE**  **MD ONLY** | X(10) | |
| 9.7 | Customer Billing Street Address | | Customer Billing Address | | N301 & N302 | | N1: N101 = **BT**  **MD ONLY** | X(55) | |
| 9.8 | Billing City | | Customer Billing Address | | N401 | | N1: N101 = **BT**  **MD ONLY** | X(30) | |
| 9.9 | Billing State | | Customer Billing Address | | N402 | | N1: N101 = **BT**  **MD ONLY** | X(2) | |
| 9.10 | Billing Zip Code | | Customer Billing Address | | N403 | | N1: N101 = **BT**  **MD ONLY** | X(9) | |
| 9.11 | Billing Country Code | | Customer Billing Address | | N404 | | N1: N101 = **BT**  **MD ONLY** | X(3) | |
| 9.12 | Billing Contact Name | | Billing Contact Name | | PER02 | | PER01=**IC**  **MD ONLY** | X(60) | |
| 9.13 | Billing Telephone # | | Contact Telephone Number related to this billing address | | PER04 | | N1: N101 = **BT**  PER01 = **IC**  PER03 = **TE**  **MD ONLY** | X(10) | |
| 10 | Line Item Transaction Reference Number | Unique Tracking Number for each line item in this transaction. This number must be unique over time. | | LIN01 | |  | | X(20) |
| 11 | Historical Usage | Indicates an ESP request to obtain historical usage information for this customer. Historical Usage will be returned on an EDI 867 transaction. | | LIN05 = **HU or HI or HG** | | LIN02 = **SH**  LIN03 = **EL**  LIN04 = **SH** | | X(2) |
| 12 | Action Code | Indicates that the transaction is a request, or whether this transaction has been accepted or rejected. | | ASI01=  Request: **7**  Accept Response: **WQ** Reject Response: **U** | | LIN: ASI02= **029** | | X(2) |
| 13 | Rejection Reason Code | Code explaining reason for rejection. | | REF02 | | LIN: REF01= **7G** | | X(3) |
| 14 | Rejection Reason Text | Text explaining rejection. | | REF03 | | LIN: REF01= **7G** | | X(80) |
| 15 | Status Reason Code | Code to provide status information for a secondary service. | | REF02 | | LIN: REF01= **1P** | | X(3) |
| 16 | Status Reason Text | Text to provide status information. | | REF03 | | LIN: REF01= **1P** | | X(80) |
| 17 | ESP Account Number | ESP Customer Account Number | | REF02 | | LIN: REF01= **11** | | X(30) |
| 18 | LDC Account Number | LDC Customer Account Number | | REF02 | | LIN: REF01= **12** | | X(30) |
| 19 | Old Account Number | Previous LDC Customer Account Number | | REF02 | | LIN: REF01= **45** | | X(30) |

# Data Dictionary for Summary Interval (LIN05=SI)

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| ***Request for Summary Interval Information (SI) Request and Response Data Dictionary*** | | | | | |
| ***Appl Field*** | ***Field Name*** | ***Description*** | ***EDI Segment*** | ***Loop / Related EDI Qualifier*** | ***Data***  ***Type*** |
| 1 | Transaction Set Purpose Code | Request = **13**  Response = **11** | BGN01 |  | X(2) |
| 2 | Transaction Reference Number | A unique transaction identification number assigned by the originator of this transaction. This number must be unique over time. | BGN02 |  | X(30) |
| 3 | System Date | Date that the data was processed by the sender’s application system. | BGN03 |  | 9(8) |
| 4 | Original Transaction Reference Number | Transaction Reference Number echoed from the Original Request Transaction (BGN02). | BGN06 |  | X(30) |
| 5 | LDC Name | LDC’s Name | N102 | N1: N101 = **8S** | X(60) |
| 6 | LDC Duns | LDC’s DUNS Number or DUNS+4 Number | N104 | N1: N101 = **8S**  N103 = **1** or **9**  N106 = **40** or **41** | X(13) |
| 7 | ESP Name | ESP’s Name | N102 | N1: N101 = **SJ** | X(60) |
| 8 | ESP Duns | ESP’s DUNS Number or DUNS+4 Number | N104 | N1: N101 = **SJ**  N103 = **1** or **9**  N106 = **40** or **41** | X(13) |
| 8.3 | Renewable Energy Provider Name | Renewable Energy Provider 's Name | N102 | N1: N101 = **G7** | X(60) |
| 8.4 | Renewable Energy Provider Duns | Renewable Energy Provider 's DUNS Number or DUNS+4 Number | N104 | N1: N101 = **G7**  N103 = **1** or **9** | X(13) |
| 9 | Customer Name | Customer Name as it appears on the Customer’s Bill | N102 | N1: N101 = **8R** | X(35)  Note: X(60) for MD |
| 10 | Line Item Transaction Reference Number | Unique Tracking Number for each line item in this transaction. This number must be unique over time. | LIN01 |  | X(20) |
| 11 | Summary Interval Information | Indicates an ESP request to obtain interval data at the level defined in the REF\*17 segment | LIN05 = **SI** | LIN02 = **SH**  LIN03 = **EL**  LIN04 = **SH** | X(2) |
| 12 | Action Code | Indicates that the transaction is a request, or whether this transaction has been accepted or rejected. | ASI01=  Request: **7**  Accept Response: **WQ** Reject Response: **U** | LIN: ASI02= **021** | X(2) |
| 13 | Rejection Reason Code | Code explaining reason for rejection. | REF02 | LIN: REF01= **7G** | X(3) |
| 14 | Rejection Reason Text | Text explaining rejection. | REF03 | LIN: REF01= **7G** | X(80) |
| 15 | Status Reason Code | Code to provide status information for a secondary service. | REF02 | LIN: REF01= **1P** | X(3) |
| 16 | Status Reason Text | Text to provide status information. | REF03 | LIN: REF01= **1P** | X(80) |
| 17 | ESP Account Number | ESP Customer Account Number | REF02 | LIN: REF01= **11** | X(30) |
| 18 | LDC Account Number | LDC Customer Account Number | REF02 | LIN: REF01= **12** | X(30) |
| 18.2 | LDC Account Number - unmetered | LDC Customer Account Number – Unmetered | REF03 | N1: N101 = **8R**  REF01 = **12**  REF03 = **U** | X(80) |
| 19 | Old Account Number | Previous LDC Customer Account Number | REF02 | LIN: REF01= **45** | X(30) |
| 20 | Interval Reporting Level | Indicates that interval data will be reported at the level requested. | REF02= **SUMMARY** or **DETAIL**  Or for PECO-only  **METERDETAIL**  (**DETAIL** = Account-Level Detail) | LIN: REF01= **17** | X(30) |

# 

# Segment: ST Transaction Set Header

**Position:** 010

**Loop:**

**Level:** Heading

**Usage:** Mandatory

**Max Use:** 1

**Purpose:** To indicate the start of a transaction set and to assign a control number

**Syntax Notes:**

**Semantic Notes:** **1** The transaction set identifier (ST01) is used by the translation routines of the interchange partners to select the appropriate transaction set definition (e.g., 810 selects the Invoice Transaction Set).

**Comments:**

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

**Data Element Summary**

**Ref. Data**

**Des. Element Name X12 Attributes**

|  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Must Use** | **ST01** | **143** | **Transaction Set Identifier Code** | | | | **M** | **ID 3/3** | | |
|  | | | Code uniquely identifying a Transaction Set | | | | | | |
|  | | | | 814 |  | General Request, Response or Confirmation | | |
| **Must Use** | **ST02** | **329** | **Transaction Set Control Number** | | | | **M** | **AN 4/9** | | |
|  | | | Identifying control number that must be unique within the transaction set functional group assigned by the originator for a transaction set | | | | | | |

# Segment: BGN Beginning Segment

**Position:** 020

**Loop:**

**Level:** Heading

**Usage:** Mandatory

**Max Use:** 1

**Purpose:** To indicate the beginning of a transaction set

**Syntax Notes:** **1** If BGN05 is present, then BGN04 is required.

**Semantic Notes:** **1** BGN02 is the transaction set reference number.

1. BGN03 is the transaction set date.
2. BGN04 is the transaction set time.
3. BGN05 is the transaction set time qualifier.
4. BGN06 is the transaction set reference number of a previously sent transaction affected by the current transaction.

**Comments:**

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

**Data Element Summary**

**Ref. Data**

**Des. Element Name X12 Attributes**

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

# Segment: N1 Name (8S=LDC Name)

**Position:** 040

**Loop:** N1

**Level:** Heading

**Usage:** Optional

**Max Use:** 1

**Purpose:** To identify a party by type of organization, name, and code

**Syntax Notes:** **1** At least one of N102 or N103 is required.

1. 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.

1. N105 and N106 further define the type of entity in N101.

|  |  |  |  |
| --- | --- | --- | --- |
| **PA Use:** |  | Request:  Accept Response:  Reject Response: | Required  Required  Required |
| **NJ Use:** |  | Same as PA | |
| **DE Use :** |  | Same as PA | |
| **MD Use:** |  | Same as PA | |
| **Request Example:** |  | N1\*8S\*LDC COMPANY\*1\*007909411\*\*40 (as Receiver) | |
| **Response Example:** |  | N1\*8S\*LDC COMPANY\*1\*007909411\*\*41 (as Sender) | |

**Data Element Summary**

**Ref. Data**

**Des. Element Name X12 Attributes**

|  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Must Use** | **N101** | **98** | | **Entity Identifier Code** | | | | **M** | **ID 2/3** | | | |
|  | | | | Code identifying an organizational entity, a physical location, property or an individual | | | | | | |
|  | | | | | 8S |  | Consumer Service Provider (CSP) | | | | |
|  | | | | | | | LDC | | | | |
| **Must Use** | **N102** | **93** | | **Name** | | | | **X** | **AN 1/60** | | | |
|  | | | | Free-form name | | | | | | |
|  | | | LDC Company Name | | | | | | | | |
| **Must Use** | **N103** | **66** | | **Identification Code Qualifier** | | | | **X** | **ID ½** | | | |
|  | | | | 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 | | |
| **Must Use** | **N104** | **67** | | **Identification Code** | | | | **X** | **AN 2/80** | | | |
|  | | | | Code identifying a party or other code | | | | | | |
|  | | | LDC D-U-N-S Number or D-U-N-S + 4 Number | | | | | | | | |
| **Must Use** | **N106** | **98** | | **Entity Identifier Code** | | | | **O** | **ID 2/3** | | | |
|  | | | | Code identifying an organizational entity, a physical location, property or an individual. | | | | | | |
|  | | | | Used in addition to the N103 and N104 to identify the transaction sender and receiver when more than two parties are identified by N1 loops. | | | | | | |
|  | | | | | 40 |  | Receiver | | |
|  | | | | | | | Entity to accept transmission | | |
|  | | | | | 41 |  | Submitter | | |
|  | | | | | | | Entity transmitting transaction set | | |

# Segment: N1 Name (SJ=ESP Name)

**Position:** 040

**Loop:** N1

**Level:** Heading

**Usage:** Optional

**Max Use:** 1

**Purpose:** To identify a party by type of organization, name, and code

**Syntax Notes:** **1** At least one of N102 or N103 is required.

1. 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.

1. N105 and N106 further define the type of entity in N101.

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

**Data Element Summary**

**Ref. Data**

**Des. Element Name X12 Attributes**

|  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Must Use** | **N101** | **98** | | **Entity Identifier Code** | | | | **M** | **ID 2/3** | | | |
|  | | | | Code identifying an organizational entity, a physical location, property or an individual | | | | | | |
|  | | | | | SJ |  | Service Provider | | | | |
|  | | | | | | | ESP | | | | |
| **Must Use** | **N102** | **93** | | **Name** | | | | **X** | **AN 1/60** | | | |
|  | | | | Free-form name | | | | | | |
|  | | | ESP Company Name | | | | | | | | |
| **Must Use** | **N103** | **66** | | **Identification Code Qualifier** | | | | **X** | **ID ½** | | | |
|  | | | | 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 | | |
| **Must Use** | **N104** | **67** | | **Identification Code** | | | | **X** | **AN 2/80** | | | |
|  | | | | Code identifying a party or other code | | | | | | |
|  | | | ESP D-U-N-S Number or D-U-N-S + 4 Number | | | | | | | | |
| **Must Use** | **N106** | **98** | | **Entity Identifier Code** | | | | **O** | **ID 2/3** | | | |
|  | | | | Code identifying an organizational entity, a physical location, property or an individual. | | | | | | |
|  | | | | Used in addition to the N103 and N104 to identify the transaction sender and receiver when more than two parties are identified by N1 loops. | | | | | | |
|  | | | | | 40 |  | Receiver | | |
|  | | | | | | | Entity to accept transmission | | |
|  | | | | | 41 |  | Submitter | | |
|  | | | | | | | Entity transmitting transaction set | | |

# Segment: N1 Name (G7=Renewable Energy Provider Name)

**Position:** 040

**Loop:** N1

**Level:** Heading

**Usage:** Optional

**Max Use:** 1

**Purpose:** To identify a party by type of organization, name, and code

**Syntax Notes:** **1** At least one of N102 or N103 is required.

**2** If either N103 or N104 is present, then the other is required.

**Semantic Notes:**

**Comments:** **1** This segment, used alone, provides the most efficient method of providing organizational identification. To obtain this efficiency the "ID Code" (N104) must provide a key to the table maintained by the transaction processing party.

**2** N105 and N106 further define the type of entity in N101.

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

**Data Element Summary**

**Ref. Data**

**Des. Element Name Attributes**

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Must Use** | | **N101** | | **98** | | | **Entity Identifier Code** | | | | | | | | **M** | | **ID 2/3** | | | | | |
|  | | | | | | | Code identifying an organizational entity, a physical location, property or an individual | | | | | | | | | | | | | |
|  | | | | | | | | | G7 | |  | | Entity Providing the Service | | | | | |
|  | | | | | | | | | | | | | Renewable Energy Provider | | | | | |
| **Must Use** | | **N102** | | **93** | | | **Name** | | | | | | | | **X** | | **AN 1/60** | | | | | |
|  | | | | | | | Free-form name | | | | | | | | | | | | | |
|  | | | | | | Renewable Energy Provider Company Name | | | | | | | | | | | | |
| **Must Use** | | **N103** | | **66** | | | **Identification Code Qualifier** | | | | | | | | **X** | | **ID 1/2** | | | | | |
|  | | | | | | | 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 | | | | | |
| **Must Use** | | **N104** | | **67** | | | **Identification Code** | | | | | | | | **X** | | **AN 2/20** | | | | | |
|  | | | | | | | Code identifying a party or other code | | | | | | | | | | | | | |
|  | | | | | | Renewable Energy Provider D-U-N-S Number or D-U-N-S + 4 Number | | | | | | | | | | | | |
| **Must Use** | | **N106** | | **98** | | | **Entity Identifier Code** | | | | | | | | **O** | | **ID 2/3** | | | | | |
|  | | | | | | | Code identifying an organizational entity, a physical location, property or an individual. | | | | | | | | | | | | | |
|  | | | | | | | Used in addition to the N103 and N104 to identify the transaction sender and receiver when more than two parties are identified by N1 loops. | | | | | | | | | | | | | |
|  | | | | | | | | | 40 | |  | | Receiver | | | | | |
|  | | | | | | | | | | | | | Entity to accept transmission | | | | | |
|  | | | | | | | | | 41 | |  | | Submitter | | | | | |
|  | | | | | | | | | | | | | Entity transmitting transaction set | | | | | |

# Segment: N1 Name (8R=Customer Name)

**Position:** 040

**Loop:** N1

**Level:** Heading

**Usage:** Optional

**Max Use:** 1

**Purpose:** To identify a party by type of organization, name, and code

**Syntax Notes:** **1** At least one of N102 or N103 is required.

1. 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.

1. N105 and N106 further define the type of entity in N101.

|  |  |  |  |
| --- | --- | --- | --- |
| **PA Use:** |  | Request:  Accept Response:  Reject Response: | Required  Required  Required for response if provided in the request. |
|  |  |  | |
| **NJ Use:** |  | Same as PA | |
| **DE Use :** |  | Same as PA | |
| **MD Use:** |  | Same as PA | |
| **Request Examples:** |  | N1\*8R\*CUSTOMER NAME | |
| **Response Example:** |  | N1\*8R\*CUSTOMER NAME\*92\*1210  N1\*8R\*CUSTOMER NAME | |

**Data Element Summary**

**Ref. Data**

**Des. Element Name X12 Attributes**

|  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Must Use** | **N101** | **98** | | **Entity Identifier Code** | | | | **M** | **ID 2/3** | | |
|  | | | | Code identifying an organizational entity, a physical location, property or an individual | | | | | |
|  | | | | | 8R |  | Consumer Service Provider (CSP) Customer | | | |
|  | | | | | | | Used to identify the customer associated with the LDC service account | | | |
| **Must Use** | **N102** | **93** | | **Name** | | | | **X** | **AN 1/60** | | |
|  | | | | Free-form name | | | | | |
|  | | | Customer Name as it appears on the customer’s bill | | | | | | | |
| **Conditional** | **N103** | **66** | | **Identification Code Qualifier** | | | | **X** | **ID ½** | | |
|  | | | | Code designating the system/method of code structure used for Identification Code (67) | | | | | |
|  | | | | | 92 |  | Assigned by Buyer or Buyer’s Agent | | | |
|  | | | Reference Number assigned by and meaningful to the customer. Note that this number is assigned to the LDC and may or may not be applicable to the ESP.  **Condition:** The N103 and N104 are optional only on the Accept Response transaction. This information is provided at the point of time in the enrollment; an 814 change will not be processed if this data changes. | | | | | | | |
| **Conditional** | **N104** | **67** | | **Identification Code** | | | | **X** | **AN 2/80** | | |
|  | | | | Code identifying a party or other code | | | | | |
|  | | | Reference Number assigned by and meaningful to the customer. Note that this number is assigned to the LDC and may or may not be applicable to the ESP.  **Condition:** The N103 and N104 are optional only on the Accept Response transaction. This information is provided at the point of time in the enrollment; an 814 change will not be processed if this data changes. This information may also appear on a Rate Ready 810. | | | | | | | |

## Segment: N3 Address Information

**Position:** 060

**Loop:** N1

**Level:** Heading

**Usage:** Optional

**Max Use:** 2

**Purpose:** To specify the location of the named party

**Syntax Notes:**

**Semantic Notes:**

**Comments:**

|  |  |  |  |
| --- | --- | --- | --- |
| **PA Use:** |  | Request:  CE Accept Response:  All other Accept Responses:  Reject Response: | Not Used  Required for Customer Service Address  Not Used  Not Used |
| **NJ Use:** |  | Same as PA, except segment also sent on HU response. | |
| **DE Use :** |  | Same as PA, except segment also sent on HU response. | |
| **MD Use:** |  | Same as PA, except segment also sent on HU response. | |
| **Example:** |  | N3\*123 N MAIN ST\*MS FLR13 | |

**Data Element Summary**

**Ref. Data**

**Des. Element Name X12 Attributes**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **Must Use** | **N301** | **166** | **Address Information** | **M** | **AN 1/55** | |
|  | | | Address information | | |
| **Optional** | **N302** | **166** | **Address Information** | **O** | **AN 1/55** | |
|  | | | Address information | | |

## Segment: N4 Geographic Location

**Position:** 070

**Loop:** N1

**Level:** Heading

**Usage:** Optional

**Max Use:** 1

**Purpose:** To specify the geographic place of the named party

**Syntax Notes:** **1** If N406 is present, then N405 is required.

**Semantic Notes:**

**Comments:** **1** A combination of either N401 through N404, or N405 and N406 may be adequate to specify a location.

1. N402 is required only if city name (N401) is in the U.S. or Canada.

|  |  |  |  |
| --- | --- | --- | --- |
| **PA Use:** |  | Request:  CE Accept Response:  All other Accept Responses:  Reject Response: | Not Used  Required for Customer Service Address  Not Used  Not Used |
| **NJ Use:** |  | Same as PA, with exception of County information which will not be used in New Jersey. Segment also sent on HU response. | |
| **DE Use :** |  | Same as MD | |
| **MD Use:** |  | Same as PA, except segment also sent on HU response. | |
| **Example:** |  | N4\*ANYTOWN\*PA\*18111\*\*CO\*LEHIGH  N4\*ANYTOWN\*PA\*181110001\*\*CO\*LEHIGH | |

**Data Element Summary**

**Ref. Data**

**Des. Element Name X12 Attributes**

|  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Must Use** | **N401** | **19** | | **City Name** | | | | **O** | **AN 2/30** | | |
|  | | | | Free-form text for city name | | | | | |
|  | | | | **NJ (PSEG):** Both City and State are stored in same field, and both are sent in this field. | | | | | |
| **Must Use** | **N402** | **156** | | **State or Province Code** | | | | **O** | **ID 2/2** | | |
|  | | | | Code (Standard State/Province) as defined by appropriate government agency | | | | | |
| **Must Use** | **N403** | **116** | | **Postal Code** | | | | **O** | **ID 3/15** | | |
|  | | | | Code defining international postal zone code excluding punctuation and blanks (zip code for United States) | | | | | |
| **Conditional** | **N405** | **309** | | **Location Qualifier** | | | | **X** | **ID ½** | | |
|  | | | | Code identifying type of location | | | | | |
|  | | | **PA:** N405 and N406 are provided on the accept response ONLY when the customer premise is believed to be located in a taxable county for Rate Ready Consolidated Billing.  **MD:** See N406 field for applicability of this field. | | | | | | | |
|  | | | | | CO |  | County/Parish and State | | | |
| **Conditional** | **N406** | **310** | | **Location Identifier** | | | | **O** | **AN 1/30** | | |
|  | | | | Code which identifies a specific location | | | | | |
|  | | | **PA:** N405 and N406 are provided on the accept response ONLY when the customer premise is believed to be located in a taxable county for Rate Ready Consolidated Billing.  **MD:**  - PEPCO will always send county field  - BGE, PE will send county field when premise is in a taxable county | | | | | | | |

## Segment: PER Administrative Communications Contact

**Position:** 080

**Loop:** N1

**Level:** Heading

**Usage:** Optional

**Max Use:** >1

**Purpose:** To identify a person or office to whom administrative communications should be directed

**Syntax Notes:** **1** If either PER03 or PER04 is present, then the other is required.

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

**Semantic Notes:**

**Comments:**

|  |  |  |  |
| --- | --- | --- | --- |
| **PA Use:** |  | Used to provide customer contact information | |
|  |  | Request:  CE Accept Response:  All other Accept Responses:  Reject Response: | Not Used  Must send for Service Address if maintained in the utility system  Not Used  Not Used |
| **NJ Use:** |  | Same as PA, except segment also sent on HU response. | |
| **DE Use :** |  | Same as PA, except segment also sent on HU response. | |
| **MD Use:** |  | Same as PA, except segment also sent on HU response. | |
| **Examples:** |  | PER\*IC\*\*TE\*8005559876  PER\*IC\*JOE DOE\*TE\*8005559876\*FX\*8005551111\*EM\*JOE@SERVICE.COM | |

**Data Element Summary**

**Ref. Data**

**Des. Element Name X12 Attributes**

|  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Must Use** | **PER01** | **366** | **Contact Function Code** | | | | **M** | **ID 2/2** | | |
|  | | | Code identifying the major duty or responsibility of the person or group named | | | | | | |
|  | | | | IC |  | Information Contact | | |
| **Optional** | **PER02** | **93** | **Name** | | | | **O** | **AN 1/60** | | |
|  | | | Free-form name | | | | | | |
| **Must Use** | **PER03** | **365** | **Communication Number Qualifier** | | | | **X** | **ID 2/2** | | |
|  | | | Code identifying the type of communication number | | | | | | |
|  | | | | EM |  | Electronic Mail | | |
|  | | | | FX |  | Facsimile | | |
|  | | | | TE |  | Telephone | | |
| **Must Use** | **PER04** | **364** | **Communication Number** | | | | **X** | **AN 1/80** | | |
|  | | | Complete communications number including country or area code when applicable | | | | | | |
| **Optional** | **PER05** | **365** | **Communication Number Qualifier** | | | | **X** | **ID 2/2** | | |
|  | | | Code identifying the type of communication number | | | | | | |
|  | | | | EM |  | Electronic Mail | | |
|  | | | | FX |  | Facsimile | | |
|  | | | | TE |  | Telephone | | |
| **Optional** | **PER06** | **364** | **Communication Number** | | | | **X** | **AN 1/80** | | |
|  | | | Complete communications number including country or area code when applicable | | | | | | |
| **Optional** | **PER07** | **365** | **Communication Number Qualifier** | | | | **X** | **ID 2/2** | | |
|  | | | Code identifying the type of communication number | | | | | | |
|  | | | | EM |  | Electronic Mail | | |
|  | | | | FX |  | Facsimile | | |
|  | | | | TE |  | Telephone | | |
| **Optional** | **PER08** | **364** | **Communication Number** | | | | **X** | **AN 1/80** | | |

# Segment: N1 Name (BT=Bill Address)

**Position:** 040

**Loop:** N1

**Level:** Heading:

**Usage:** Recommended

**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.

1. 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.

1. N105 and N106 further define the type of entity in N101.

|  |  |  |  |
| --- | --- | --- | --- |
| **PA Use:** |  | Request:  CE Accept Response:  All other Accept Responses:  Reject Response: | Not Used  Required for Billing Address if different than Service Address  Not Used  Not Used |
|  |  | **Note:** Duquesne Light does not provide. | |
| **NJ Use:** |  | Same as PA  **Note:** PSEG does not provide. | |
| **DE Use :** |  | Same as PA | |
| **MD Use:** |  | Same as PA, except segment also sent on HU response. | |
| **Example:** |  | N1\*BT\*ACCOUNTS PAYABLE DIVISION | |

**Data Element Summary**

**Ref. Data**

**Des. Element Name X12 Attributes**

|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Must Use** | **N101** | **98** | **Entity Identifier Code** | | | | **M** | **ID 2/3** | |
|  | | | Code identifying an organizational entity, a physical location, property or an individual | | | | | |
|  | | | | BT |  | Bill-to-Party | | | | |
|  | | | | | | Used to identify a billing address for the customer | | | | |
| **Must Use** | **N102** | **93** | **Name** | | | | **X** | **AN 1/60** | |
|  | | | Free-form name | | | | | |

## Segment: N3 Address Information

**Position:** 060

**Loop:** N1

**Level:** Heading

**Usage:** Optional

**Max Use:** 2

**Purpose:** To specify the location of the named party

**Syntax Notes:**

**Semantic Notes:**

**Comments:**

|  |  |  |  |
| --- | --- | --- | --- |
| **PA Use:** |  | Request:  CE Accept Response:  All other Accept Responses:  Reject Response: | Not Used  Required for Billing Address if different than Service Address  Not Used  Not Used |
|  |  | **Note:** Duquesne Light does not provide. | |
| **NJ Use:** |  | Same as PA  **Note:** PSEG does not provide. | |
| **DE Use:** |  | Same as PA | |
| **MD Use:** |  | Same as PA, except segment also sent on HU response. | |
| **Example:** |  | N3\*123 N MAIN ST\*MS FLR13 | |

**Data Element Summary**

**Ref. Data**

**Des. Element Name X12 Attributes**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **Must Use** | **N301** | **166** | **Address Information** | **M** | **AN 1/55** | |
|  | | | Address information | | |
| **Optional** | **N302** | **166** | **Address Information** | **O** | **AN 1/55** | |
|  | | | Address information | | |

## Segment: N4 Geographic Location

**Position:** 070

**Loop:** N1

**Level:** Heading

**Usage:** Optional

**Max Use:** 1

**Purpose:** To specify the geographic place of the named party

**Syntax Notes:** **1** If N406 is present, then N405 is required.

**Semantic Notes:**

**Comments:** **1** A combination of either N401 through N404, or N405 and N406 may be adequate to specify a location.

1. N402 is required only if city name (N401) is in the U.S. or Canada.

|  |  |  |  |
| --- | --- | --- | --- |
| **PA Use:** |  | Request:  CE Accept Response:  All other Accept Responses:  Reject Response: | Not Used  Required for Billing Address if different than Service Address  Not Used  Not Used |
|  |  | **Note:** Duquesne Light does not provide. | |
| **NJ Use:** |  | Same as PA  **Note:** PSEG does not provide. | |
| **DE Use:** |  | Same as PA | |
| **MD Use:** |  | Same as PA, except segment also sent on HU response | |
| **Example:** |  | N4\*ANYTOWN\*PA\*18111  N4\*ANYTOWN\*PA\*181110001\*US | |

**Data Element Summary**

**Ref. Data**

**Des. Element Name X12 Attributes**

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

## Segment: PER Administrative Communications Contact

**Position:** 080

**Loop:** N1

**Level:** Heading

**Usage:** Optional

**Max Use:** >1

**Purpose:** To identify a person or office to whom administrative communications should be directed

**Syntax Notes:** **1** If either PER03 or PER04 is present, then the other is required.

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

**Semantic Notes:**

**Comments:**

|  |  |  |  |
| --- | --- | --- | --- |
| **PA Use:** |  | Request:  CE Accept Response:  All other Accept Responses:  Reject Response: | Not Used  Required for Billing Address if different than Service Address and maintained in utility’s system.  Not Used  Not Used |
|  |  | **Note:** Duquesne Light does not provide. | |
| **NJ Use:** |  | Same as PA | |
| **DE Use:** |  | Same as PA | |
| **MD Use:** |  | Same as PA, except segment also sent on HU response. | |
| **Example:** |  | PER\*IC\*ACCTS PAYABLE\*TE\*8005559876\*FX\*8005556789\*EM\*CUSTOMER @SERVICE.COM | |

**Data Element Summary**

**Ref. Data**

**Des. Element Name X12 Attributes**

|  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Must Use** | **PER01** | **366** | **Contact Function Code** | | | | **M** | **ID 2/2** | | |
|  | | | Code identifying the major duty or responsibility of the person or group named | | | | | | |
|  | | | | IC |  | Information Contact | | |
| **Optional** | **PER02** | **93** | **Name** | | | | **O** | **AN 1/60** | | |
|  | | | Free-form name | | | | | | |
| **Must Use** | **PER03** | **365** | **Communication Number Qualifier** | | | | **X** | **ID 2/2** | | |
|  | | | Code identifying the type of communication number | | | | | | |
|  | | | | EM |  | Electronic Mail | | |
|  | | | | FX |  | Facsimile | | |
|  | | | | TE |  | Telephone | | |
| **Must Use** | **PER04** | **364** | **Communication Number** | | | | **X** | **AN 1/80** | | |
|  | | | Complete communications number including country or area code when applicable | | | | | | |
| **Optional** | **PER05** | **365** | **Communication Number Qualifier** | | | | **X** | **ID 2/2** | | |
|  | | | Code identifying the type of communication number | | | | | | |
|  | | | | EM |  | Electronic Mail | | |
|  | | | | FX |  | Facsimile | | |
|  | | | | TE |  | Telephone | | |
| **Optional** | **PER06** | **364** | **Communication Number** | | | | **X** | **AN 1/80** | | |
|  | | | Complete communications number including country or area code when applicable | | | | | | |
| **Optional** | **PER07** | **365** | **Communication Number Qualifier** | | | | **X** | **ID 2/2** | | |
|  | | | Code identifying the type of communication number | | | | | | |
|  | | | | EM |  | Electronic Mail | | |
|  | | | | FX |  | Facsimile | | |
|  | | | | TE |  | Telephone | | |
| **Optional** | **PER08** | **364** | **Communication Number** | | | | **X** | **AN 1/80** | | |
|  | | | Complete communications number including country or area code when applicable | | | | | | |

# Segment: N1 Name (PK=Party to Receive Copy of Notices)

**Position:** 040

**Loop:** N1

**Level:** Heading

**Usage:** Optional

**Max Use:** 1

**Purpose:** To identify a party by type of organization, name, and code

**Syntax Notes:** **1** At least one of N102 or N103 is required.

1. 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.

1. N105 and N106 further define the type of entity in N101.

|  |  |  |  |
| --- | --- | --- | --- |
| **PA Use:** |  | Request:  CE Accept Response:  All other Accept Responses:  Reject Response: | Not Used  Optional for Party to Receive Copy of Notices (not bills)  Not Used  Not Used |
| **NJ Use:** |  | Request:  CE Accept Response:  All other Accept Responses:  Reject Response: | Not Used  Optional for Party to Receive Copy of Notices (not bills)  JCP&L – Maintained in their system for some customers  Atlantic City Electric, PSE&G – Not maintained in their system  Not Used  Not Used |
| **DE Use:** |  | Request:  CE Accept Response:  All other Accept Responses:  Reject Response: | Not Used  Not Used  Not Used  Not Used |
| **MD Use:** |  | Will not be used Day 1 | |
| **Example:** |  | N1\*PK\*ANN SMITH | |

**Data Element Summary**

**Ref. Data**

**Des. Element Name X12 Attributes**

|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Must Use** | **N101** | **98** | **Entity Identifier Code** | | | | **M** | **ID 2/3** | |
|  | | | Code identifying an organizational entity, a physical location, property or an individual | | | | | |
|  | | | | PK |  | Party to Receive Copy | | | | |
|  | | | | | | Used to identify a third party that is to receive a copy of all notices (not bills) to the end use customer. | | | | |
| **Must Use** | **N102** | **93** | **Name** | | | | **X** | **AN 1/60** | |
|  | | | Free-form name | | | | | |

## Segment: N3 Address Information

**Position:** 060

**Loop:** N1

**Level:** Heading

**Usage:** Optional

**Max Use:** 2

**Purpose:** To specify the location of the named party

**Syntax Notes:**

**Semantic Notes:**

**Comments:**

|  |  |  |  |
| --- | --- | --- | --- |
| **PA Use:** |  | Request:  CE Accept Response:  All other Accept Responses:  Reject Response: | Not Used  Optional for Party to Receive Copy of Notices (not bills)  Not Used  Not Used |
| **NJ Use:** |  | Same as PA –  JCP&L – Maintained in their system for some customers  Atlantic City Electric, PSE&G – Not maintained in their system | |
| **DE Use:** |  | Not Used | |
| **MD Use:** |  | Will not be used Day 1 | |
| **Example:** |  | N3\*4251 S ELECTRIC ST\*MS 25 | |

**Data Element Summary**

**Ref. Data**

**Des. Element Name X12 Attributes**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **Must Use** | **N301** | **166** | **Address Information** | **M** | **AN 1/55** | |
|  | | | Address information | | |
| **Optional** | **N302** | **166** | **Address Information** | **O** | **AN 1/55** | |
|  | | | Address information | | |

## Segment: N4 Geographic Location

**Position:** 070

**Loop:** N1

**Level:** Heading

**Usage:** Optional

**Max Use:** 1

**Purpose:** To specify the geographic place of the named party

**Syntax Notes:** **1** If N406 is present, then N405 is required.

**Semantic Notes:**

**Comments:** **1** A combination of either N401 through N404, or N405 and N406 may be adequate to specify a location.

1. N402 is required only if city name (N401) is in the U.S. or Canada.

|  |  |  |  |
| --- | --- | --- | --- |
| **PA Use:** |  | Request:  CE Accept Response:  All other Accept Responses:  Reject Response: | Not Used  Optional for Party to Receive Copy of Notices (not bills)  Not Used  Not Used |
| **NJ Use:** |  | Same as PA –  JCP&L – Maintained in their system for some customers  Atlantic City Electric, PSE&G – Not maintained in their system | |
| **DE Use:** |  | Not Used | |
| **MD Use:** |  | Will not be used Day 1 | |
| **Examples:** |  | N4\*ANYTOWN\*PA\*18111  N4\*ANYTOWN\*PA\*181110001\*US | |

**Data Element Summary**

**Ref. Data**

**Des. Element Name X12 Attributes**

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

## Segment: PER Administrative Communications Contact

**Position:** 080

**Loop:** N1

**Level:** Heading

**Usage:** Optional

**Max Use:** >1

**Purpose:** To identify a person or office to whom administrative communications should be directed

**Syntax Notes:** **1** If either PER03 or PER04 is present, then the other is required.

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

**Semantic Notes:**

**Comments:**

|  |  |  |  |
| --- | --- | --- | --- |
| **PA Use:** |  | Request:  CE Accept Response:  All other Accept Responses:  Reject Response: | Not Used  Optional for Party to Receive Copy of Notices (not bills)  Not Used  Not Used |
| **NJ Use:** |  | Same as PA –  JCP&L – Maintained in their system for some customers  Atlantic City Electric, PSE&G – Not maintained in their system | |
| **DE Use:** |  | Not Used | |
| **MD Use:** |  | Will not be used Day 1 | |
| **Example:** |  | PER\*IC\*ANN SMITH\*TE\*8005559876\*FX\*8005556789\*EM\*CUSTOMER@SERVICE.COM | |

**Data Element Summary**

**Ref. Data**

**Des. Element Name X12 Attributes**

|  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Must Use** | **PER01** | **366** | **Contact Function Code** | | | | **M** | **ID 2/2** | | |
|  | | | Code identifying the major duty or responsibility of the person or group named | | | | | | |
|  | | | | IC |  | Information Contact | | |
| **Optional** | **PER02** | **93** | **Name** | | | | **O** | **AN 1/60** | | |
|  | | | Free-form name | | | | | | |
| **Must Use** | **PER03** | **365** | **Communication Number Qualifier** | | | | **X** | **ID 2/2** | | |
|  | | | Code identifying the type of communication number | | | | | | |
|  | | | | EM |  | Electronic Mail | | |
|  | | | | FX |  | Facsimile | | |
|  | | | | TE |  | Telephone | | |
| **Must Use** | **PER04** | **364** | **Communication Number** | | | | **X** | **AN 1/80** | | |
|  | | | Complete communications number including country or area code when applicable | | | | | | |
| **Optional** | **PER05** | **365** | **Communication Number Qualifier** | | | | **X** | **ID 2/2** | | |
|  | | | Code identifying the type of communication number | | | | | | |
|  | | | | EM |  | Electronic Mail | | |
|  | | | | FX |  | Facsimile | | |
|  | | | | TE |  | Telephone | | |
| **Optional** | **PER06** | **364** | **Communication Number** | | | | **X** | **AN 1/80** | | |
|  | | | Complete communications number including country or area code when applicable | | | | | | |
| **Optional** | **PER07** | **365** | **Communication Number Qualifier** | | | | **X** | **ID 2/2** | | |
|  | | | Code identifying the type of communication number | | | | | | |
|  | | | | EM |  | Electronic Mail | | |
|  | | | | FX |  | Facsimile | | |
|  | | | | TE |  | Telephone | | |
| **Optional** | **PER08** | **364** | **Communication Number** | | | | **X** | **AN 1/80** | | |
|  | | | Complete communications number including country or area code when applicable | | | | | | |

# Segment: N1 Name (2C=Party to Receive Copy of Bill)

**Position:** 040

**Loop:** N1

**Level:** Heading

**Usage:** Optional

**Max Use:** 1

**Purpose:** To identify a party by type of organization, name, and code

**Syntax Notes:** **1** At least one of N102 or N103 is required.

1. 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.

1. N105 and N106 further define the type of entity in N101.

|  |  |  |  |
| --- | --- | --- | --- |
| **PA Use:** |  | Request:  CE Accept Response:  All other Accept Responses:  Reject Response: | Not Used  Optional for Party to Receive Copy of Bills  Not Used  Not Used |
| **NJ Use:** |  | Request:  CE Accept Response:  All other Accept Responses:  Reject Response: | Not Used  Optional for Party to Receive Copy of Bills  JCP&L and Atlantic City Electric – Maintained in their system for some customers  PSE&G–Not maintained in their system  Not Used  Not Used |
| **DE Use:** |  | Request:  CE Accept Response:  All other Accept Responses:  Reject Response: | Not Used  Optional  Not Used  Not Used |
| **MD Use:** |  | Request:  CE Accept Response:  All other Accept Responses:  Reject Response: | Not Used  Optional for Party to Receive Copy of Bills  BG&E, Delmarva & PEPCO – Not maintained in their system  Not Used  Not Used |
| **Example:** |  | N1\*2C\*THOMAS SMITH | |

**Data Element Summary**

**Ref. Data**

**Des. Element Name X12 Attributes**

|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Must Use** | **N101** | **98** | **Entity Identifier Code** | | | | **M** | **ID 2/3** | |
|  | | | Code identifying an organizational entity, a physical location, property or an individual | | | | | |
|  | | | | 2C |  | Co-Participant | | | | |
|  | | | | | | Used to identify a third party who shares responsibility for payment of the customer’s bill. This party will receive copies of all bills, not notices. | | | | |
| **Must Use** | **N102** | **93** | **Name** | | | | **X** | **AN 1/60** | |
|  | | | Free-form name | | | | | |

## Segment: N3 Address Information

**Position:** 060

**Loop:** N1

**Level:** Heading

**Usage:** Optional

**Max Use:** 2

**Purpose:** To specify the location of the named party

**Syntax Notes:**

**Semantic Notes:**

**Comments:**

|  |  |  |  |
| --- | --- | --- | --- |
| **PA Use:** |  | Request:  CE Accept Response:  All other Accept Responses:  Reject Response: | Not Used  Optional for Party to Receive Copy of Bills  Not Used  Not Used |
| **NJ Use:** |  | Same as PA  JCP&L and Atlantic City Electric – Maintained in their system for some customers  PSE&G – Not maintained in their system | |
| **DE Use:** |  | Optional | |
| **MD Use:** |  | Same as PA  BG&E, Delmarva & PEPCO – not maintained in their system | |
| **Example:** |  | N3\*4251 S ELECTRIC ST\*MS 25 | |

**Data Element Summary**

**Ref. Data**

**Des. Element Name X12 Attributes**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **Must Use** | **N301** | **166** | **Address Information** | **M** | **AN 1/55** | |
|  | | | Address information | | |
| **Optional** | **N302** | **166** | **Address Information** | **O** | **AN 1/55** | |
|  | | | Address information | | |

## Segment: N4 Geographic Location

**Position:** 070

**Loop:** N1

**Level:** Heading

**Usage:** Optional

**Max Use:** 1

**Purpose:** To specify the geographic place of the named party

**Syntax Notes:** **1** If N406 is present, then N405 is required.

**Semantic Notes:**

**Comments:** **1** A combination of either N401 through N404, or N405 and N406 may be adequate to specify a location.

1. N402 is required only if city name (N401) is in the U.S. or Canada.

|  |  |  |  |
| --- | --- | --- | --- |
| **PA Use:** |  | Request:  CE Accept Response:  All other Accept Responses:  Reject Response: | Not Used  Optional for Party to Receive Copy of Bills  Not Used  Not Used |
| **NJ Use:** |  | Same as PA  JCP&L and Atlantic City Electric – Maintained in their system for some customers  PSE&G – Not maintained in their system | |
| **DE Use:** |  | Optional | |
| **MD Use:** |  | Same as PA  BG&E, Delmarva & PEPCO – not maintained in their system | |
| **Examples:** |  | N4\*ANYTOWN\*PA\*18111  N4\*ANYTOWN\*PA\*181110001\*US | |

**Data Element Summary**

**Ref. Data**

**Des. Element Name X12 Attributes**

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

## Segment: PER Administrative Communications Contact

**Position:** 080

**Loop:** N1

**Level:** Heading

**Usage:** Optional

**Max Use:** >1

**Purpose:** To identify a person or office to whom administrative communications should be directed

**Syntax Notes:** **1** If either PER03 or PER04 is present, then the other is required.

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

**Semantic Notes:**

**Comments:**

|  |  |  |  |
| --- | --- | --- | --- |
| **PA Use:** |  | Request:  CE Accept Response:  All other Accept Responses:  Reject Response: | Not Used  Optional for Party to Receive Copy of Bills  Not Used  Not Used |
| **NJ Use:** |  | Same as PA  JCP&L and Atlantic City Electric – Maintained in their system for some customers  PSE&G – Not maintained in their system | |
| **DE Use:** |  | Optional | |
| **MD Use:** |  | Same as PA. BG&E, Delmarva & PEPCO – not maintained in their system | |
| **Example:** |  | PER\*IC\*THOMAS SMITH\*TE\*8005552878\*FX\*8005556789\*EM\*CUSTOMERSERV@.COM | |

**Data Element Summary**

**Ref. Data**

**Des. Element Name X12 Attributes**

|  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Must Use** | **PER01** | **366** | **Contact Function Code** | | | | **M** | **ID 2/2** | | |
|  | | | Code identifying the major duty or responsibility of the person or group named | | | | | | |
|  | | | | IC |  | Information Contact | | |
| **Optional** | **PER02** | **93** | **Name** | | | | **O** | **AN 1/60** | | |
|  | | | Free-form name | | | | | | |
| **Must Use** | **PER03** | **365** | **Communication Number Qualifier** | | | | **X** | **ID 2/2** | | |
|  | | | Code identifying the type of communication number | | | | | | |
|  | | | | EM |  | Electronic Mail | | |
|  | | | | FX |  | Facsimile | | |
|  | | | | TE |  | Telephone | | |
| **Must Use** | **PER04** | **364** | **Communication Number** | | | | **X** | **AN 1/80** | | |
|  | | | Complete communications number including country or area code when applicable | | | | | | |
| **Optional** | **PER05** | **365** | **Communication Number Qualifier** | | | | **X** | **ID 2/2** | | |
|  | | | Code identifying the type of communication number | | | | | | |
|  | | | | EM |  | Electronic Mail | | |
|  | | | | FX |  | Facsimile | | |
|  | | | | TE |  | Telephone | | |
| **Optional** | **PER06** | **364** | **Communication Number** | | | | **X** | **AN 1/80** | | |
|  | | | Complete communications number including country or area code when applicable | | | | | | |
| **Optional** | **PER07** | **365** | **Communication Number Qualifier** | | | | **X** | **ID 2/2** | | |
|  | | | Code identifying the type of communication number | | | | | | |
|  | | | | EM |  | Electronic Mail | | |
|  | | | | FX |  | Facsimile | | |
|  | | | | TE |  | Telephone | | |
| **Optional** | **PER08** | **364** | **Communication Number** | | | | **X** | **AN 1/80** | | |
|  | | | Complete communications number including country or area code when applicable | | | | | | |

# Segment: LIN Item Identification

**Position:** 010

**Loop:** LIN

**Level:** Detail

**Usage:** Optional

**Max Use:** 1

**Purpose:** To specify basic item identification data

**Syntax Notes:** **1** If either LIN04 or LIN05 is present, then the other is required.

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

**Semantic Notes:** **1** LIN01 is the line item identification

**Comments:** **1** See the Data Dictionary for a complete list of Ids.

1. LIN02 through LIN31 provide for fifteen different product/service Ids for each item. For example: Case, Color, Drawing No., U.P.C. No., ISBN No., Model No., or SKU.

|  |  |  |  |
| --- | --- | --- | --- |
| **PA Use:** |  | Request:  Accept Response:  Reject Response: | Required  Required  Required if it was provided on the request. |
|  | **PA Options**  The only valid codes in Pennsylvania are Generation Services (CE), Historical Usage (HU), Historical Interval (HI), and Summary Interval (SI).  **PA Processing Order**  Only one service may be requested per LIN loop and it is important that the sender order the LIN loops in the order that they would like them processed for all primary services.  It is required that the LIN for Generation Services (CE) be sent prior to all secondary services if the secondary services are dependent upon the successful enrollment. | |
| **NJ Use:** |  | Request:  Accept Response:  Reject Response: | Required  Required  Required if it was provided on the request. |
|  | **NJ Options**  The only valid codes in New Jersey are Generation Services (CE), Historical Usage (HU), Historical Interval Usage (HI) - [Atlantic City Electric only], Renewable Energy Certificate Service (RC), and Summary Interval (SI).  Note: For Atlantic City Electric support of the 867HI, see below table under MD use section. | |
| **DE Use:** |  | Request:  Accept Response:  Reject Response: | Required  Required  Required if it was provided on the request. |
|  |  | **Delmarva DE Options**  The only valid codes in Delaware (Delmarva) are Generation Services (CE), Historical Usage (HU), Historical Interval Usage (HI) and Summary Interval (SI).  Note: Delmarva DE support of the 867HI, see below table under MD use section. | |
| **MD Use:** |  | Request:  Accept Response:  Reject Response: | Required  Required  Required if it was provided on the request. |
|  |  | **MD Options**  The only valid codes in Maryland are Generation Services (CE), Historical Usage (HU), Historical Interval (HI), and Summary Interval (SI). See MD notes section for use of HI  **Note:** PEPCO in Maryland will accept secondary services request “SI” regardless of meter type (interval or non-interval). If account is interval billed, and SUMMARY is requested by the ESP, the 867MU summary transaction will be sent.  PEPCO & Delmarva support the use of the 867HI transaction, the following rules apply:   |  |  |  |  | | --- | --- | --- | --- | | **LIN05** | **Scenario** | **REF1P Code** | **867 Action** | | LIN05 = HU | HU available on non-interval account | No REF1P sent | 867HU sent | | LIN05 = HU | HU not available | REF1P = HUU | No 867 sent | | LIN05 = HI | HI available | No REF1P sent | 867HI sent | | LIN05 = HI | Neither historical interval detail or summary data available | REF1P = HIU | No 867 sent | | LIN05 = HI | HI data unavailable BUT summary HU data is available | No REF1P sent | 867HU sent | | LIN05 = HI | HI request on non-interval account | No REF1P sent | 867HU sent | | |
| **Examples:** |  | LIN\*CE199912310800000001\*SH\*EL\*SH\*CE (Generation Services)  LIN\*HU199912310800000002\*SH\*EL\*SH\*HU (Historical Usage)  LIN\*HU199912310800000007\*SH\*EL\*SH\*HI (Historical Interval Usage)  LIN\*SI199912310800000005\*SH\*EL\*SH\*SI (Summary Interval)  LIN\*SI199912310800000006\*SH\*EL\*SH\*RC (Renewable Energy Services) | |

**Data Element Summary**

**Ref. Data**

**Des. Element Name X12 Attributes**

|  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Must Use** | **LIN01** | **350** | **Assigned Identification** | | | | **O** | **AN 1/20** | | |
|  | | | Alphanumeric characters assigned for differentiation within a transaction set | | | | | | |
|  | | | On the request, this is a unique tracking number for each line item (LIN) in this transaction. This number must be unique over all time. This number must be returned on the response transaction in the same element. | | | | | | |
| **Must Use** | **LIN02** | **235** | Product/Service ID Qualifier | | | | **M** | **ID 2/2** | | |
|  | | | Code identifying the type/source of the descriptive number used in Product/Service ID (234) | | | | | | |
|  | | | | SH |  | Service Requested | | |
| **Must Use** | **LIN03** | **234** | Product/Service ID | | | | **M** | **AN 1/48** | | |
|  | | | Identifying number for a product or service | | | | | | |
|  | | | | EL |  | Electric Service | | |
|  | | | | | | Identifies the product | | |
| **Must Use** | **LIN04** | **235** | **Product/Service ID Qualifier** | | | | **M** | **ID 2/2** | | |
|  | | | Code identifying the type/source of the descriptive number used in Product/Service ID (234) | | | | | | |
|  | | | | SH |  | Service Requested | | |

|  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Primary Service:** | |  | | Primary Services include the following:  Generation Services (CE)  Renewable Energy Certificate Service (RC)  Primary services must be responded to with an Accept or a Reject at the LIN level. If the transaction *cannot* be processed in the application system (e.g. the enrollment fails due to missing or invalid data) the transaction must be Rejected (ASI01=”U”) and a Rejection Reason Code is provided in REF\*7G. **Note:** In New Jersey, the only valid primary services are Generation Services (CE) and Renewable Energy Certificate Service (RC). | | | | | | | |
| **Secondary Service:** | |  | | Secondary Services include the following:  Historical Usage (HU)  Historical Interval (HI)  Summary Interval (SI)  Secondary services must be responded to with an Accept or a Reject at the LIN level. However, the “rejection” is treated differently than primary services. | | | | | | | |
| **Must Use** | **LIN05** | | **234** | | **Product/Service ID** | | | | **M** | **AN 1/48** | | |
|  | | | | | Identifying number for a product or service | | | | | | |
| “Primary Service” | | | | | | CE |  | Generation Services | | |
|  | | | | | | | | Indicates this transaction relates to Generation Services. | | |
| “Primary Service” | | | | | | RC |  | Renewable Energy Certificate Services | | |
|  | | | | | | | | Indicates this transaction relates to Renewable Energy Certificate Services. | | |
| “Secondary Service” | | | | | | HU |  | Historical Usage | | |
|  | | | | | | | | Indicates an ESP request to obtain historical usage information for this customer. The usage data is returned on an EDI 867 in addition to the 814 Response | | |
|  | | | | | | | | * If this service cannot be provided, the associated REF\*1P can be “HUU” or “HUR” | | |
| “Secondary Service” | | | | | | HI |  | Historical Interval Usage | | |
|  | | | | | |  |  | Indicates an ESP request to obtain historical interval usage information for this customer. If historical interval not available, a REF\*1P will be sent with “HIU”.  Note - PHI companies –If HI request on a non-interval account, the request is accepted, the response remains REF\*1P\*HIU and the 867HU is sent | | |
| “Secondary Service” | | | | | | SI |  | Summary Interval | | |
|  | | | | | | | | Indicates an ESP request to obtain interval data at the level requested in the REF\*17 segment.. This must be sent with a Generation/Renewable Energy Certificate Enrollment or after a Generation / Renewable Energy Certificate Enrollment. | | |
|  | | | | | | | | * If this service is not provided, the associated REF\*1P is “SNP”. * If this service is not provided at an account level (i.e., the meter agent requires that a decision be made for all accounts for the ESP), the associated REF\*1P is “SNP”.   Note: Atlantic City Electric will accept secondary service request ‘SI’ regardless of meter type (interval or non-interval). | | |

# Segment: ASI Action or Status Indicator

**Position:** 020

**Loop:** LIN

**Level:** Detail

**Usage:** Optional

**Max Use:** 1

**Purpose:** To indicate the action to be taken with the information provided or the status of the entity described

**Syntax Notes:**

**Semantic Notes:**

**Comments:**

|  |  |  |  |
| --- | --- | --- | --- |
| **Notes:** |  | Identifies the action to be taken or the status of a requested action for the service identified in the LIN segment.  Status Reason Codes are conveyed in the REF segment (position 030) rather than in the ASI03, to allow for multiple status reasons. | |
| **PA Use:** |  | Request:  Accept Response:  Reject Response: | Required  Required  Required |
| **NJ Use:** |  | Same as PA | |
| **DE Use:** |  | Same as PA | |
| **MD Use:** |  | Same as PA  **Note:** BGE has special response handling scenarios. See table in MD Notes section for additional information. | |
| **Request Example:** |  | ASI\*7\*021 | |
| **Response Examples:** |  | ASI\*WQ\*021  ASI\*U\*021 | Accept Response  Reject Response |

**Data Element Summary**

**Ref. Data**

**Des. Element Name X12 Attributes**

|  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Must Use** | **ASI01** | **306** | **Action Code** | | | | **M** | **ID ½** | | |
|  | | | Code indicating type of action | | | | | | |
|  | | | | 7 |  | Request | | |
|  | | | | U |  | Reject | | |
|  | | | | WQ |  | Accept | | |
| **Must Use** | **ASI02** | **875** | **Maintenance Type Code** | | | | **M** | **ID 3/3** | | |
|  | | | Code identifying the specific type of item maintenance | | | | | | |
|  | | | | 021 |  | Addition | | |
|  | | | | | | Used when requesting the following services:  CE – Generation Services  RC – Renewable Energy Certificate Services  SI – Summary Information for Interval Account | | |
|  | | | | 029 |  | Inquiry | | |
|  | | | | | | Use when requesting the following services:  HU – Historical Usage  HI – Historical Interval Usage | | |

# Segment: REF Reference Identification (7G=Rejection Reason)

**Position:** 030

**Loop:** LIN

**Level:** Detail

**Usage:** Optional

**Max Use:** >1

**Purpose:** To specify identifying information

**Syntax Notes:** **1** At least one of REF02 or REF03 is required.

1. If either C04003 or C04004 is present, then the other is required.
2. If either C04005 or C04006 is present, then the other is required.

**Semantic Notes:** **1** REF04 contains data relating to the value cited in REF02.

**Comments:**

|  |  |  |  |
| --- | --- | --- | --- |
| **Notes:** |  | This iteration of the REF segment is used to convey the rejection reason codes in response to a Request. The rejection reason codes are conveyed in this segment rather than in the ASI03 to allow for multiple rejection reasons. | |
| **PA Use:** |  | If an LDC receives a request for a service that the state does not support, the LDC should **reject** it with a REF\*7G\*SDE\*SERVICE DOES NOT EXIST  If an LDC receives a request for a service that the state supports, but the LDC does not, the LDC should **accept** it, but then send a status code REF\*1P\*SNP\*SERVICE NOT PROVIDED | |
|  |  | Request:  Accept Response:  Reject Response: | Not Used  Not Used  Required |
| **NJ Use:** |  | If an LDC receives a request for a service that it does not support (whether the state supports it or not), the LDC should **accept** it, but then send a status code REF\*1P\*SNP\*SERVICE NOT PROVIDED | |
| **DE Use:** |  | Same as NJ | |
| **MD Use:** |  | Same as NJ | |
| **Example:** |  | REF\*7G\*A13\*ADDITIONAL REASON TEXT HERE | |

**Data Element Summary**

**Ref. Data**

**Des. Element Name X12 Attributes**

|  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Must Use** | **REF01** | **128** | **Reference Identification Qualifier** | | | | **M** | **ID 2/3** | | |
|  | | | Code qualifying the Reference Identification | | | | | | |
|  | | | | 7G |  | Data Quality Reject Reason | | |
|  | | | | | | Reject reasons associated with a reject status notification. | | |

Rules for Rejection Reason Codes

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| The codes on the next several pages have been identified by the UIG to convey rejection reasons. Only the codes listed for each service are valid for that service. If you require additional codes, send an email to the appropriate state’s listserver.  “A13” (Other) must **only** be used when an existing error code does not convey the reason correctly. Each time “A13” (Other) is used for a new purpose, an E-mail must be sent to the appropriate state’s listserver by the party sending the code, to notify the market participants about the text explanation for A13. This information will be compiled and new codes will be issued on a periodic basis.  PA Listserver: [edewg@ls.eei.org](mailto:edtwg@ls.eei.org)  NJ Listserver: [njbpu@ls.eei.org](mailto:njbpu@ls.eei.org) | | | | | | | | |
| **Generation Services (CE) Rejection Codes:** | | | | | | | | | |
| Must Use | **REF02** | **127** | **Reference Identification** | | | | **X** | **AN 1/30** | |
|  | | | Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier | | | | | |
|  | | | | 008 |  | Account exists but is not active | | | | |
|  | | | | 021 |  | Move Pending | | | | |
|  | | | | | | Customer will be moving before the ESP would become active. | | | | |
|  | | | | A13 |  | Other | | | | |
|  | | | | | | REF03 Required. Send email to edewg@ls.eei.org each time A13 is used for a new purpose. | | | | |
|  | | | | A76 |  | Account not found | | | | |
|  | | | |  |  | This includes invalid account numbers as well as no account number being found. | | | | |
|  | | | | A91 |  | Service is not offered at customer’s location | | | | |
|  | | | | | | For instance, used to indicate that this is a gas only account, no electric service exists on the account. | | | | |
|  | | | | ABN |  | Duplicate request received | | | | |
|  | | | | ACI |  | Action Code (ASI01) Invalid | | | | |
|  | | | | ANE |  | Account Not Eligible | | | | |
|  | | | | ANL |  | Service provider not licensed to provide requested service | | | | |
|  | | | | ANQ |  | Billing Agent not certified by Utility | | | | |
|  | | | | | | Not valid in NJ | | | | |
|  | | | | ANV |  | Account Not Volunteered | | | | |
|  | | | |  |  | Not Used in PA | | | | |
|  | | | | APA |  | Account Pending Active | | | | |
|  | | | | API |  | Required information missing (REF03 Required) | | | | |
|  | | | | B33 |  | Customer name is missing from the request | | | | |
|  | | | | C02 |  | Customer is on Credit Hold | | | | |
|  | | | | | | Valid in PA when consolidated bill requested for customer who has been switched to DUAL billing due to delinquencies when making the other party whole.  Valid in NJ when consolidated bill requested for customer is deemed not creditworthy. | | | | |
|  | | | | C03 |  | Customer Enrolled in USF | | | | |
|  | | | | | | NJ - Only valid in NJ Renewable Energy Provider program | | | | |
|  | | | | CAP |  | CAP accounts must be submitted as dual bill | | | | |
|  | | | | | | PA – Duquesne Only | | | | |
|  | | | | CMP |  | Customer locked with ESP | | | | |
|  | | | | | | The customer has enrolled with another ESP and the rescission period has expired. The customer cannot be enrolled until the pending enrollment is complete.  Used in NJ when enrollment is requested for Renewable Energy Certificate Services and customer is enrolled with an ESP.  Used in MD when enrollment is received after allowed time period. | | | | |
|  | | | | D30 |  | Customer has indicated they did not want to be marketed to by this ESP | | | | |
|  | | | | DIV |  | Date/Time Invalid or Missing | | | | |
|  | | | | | | Used to indicate any error in the Customer Contract Effective Date (DTM\*129). This would indicate an invalid date, such as 2/30/2000. | | | | |
|  | | | | FRB |  | Incorrect Billing Option (REF\*BLT) Requested | | | | |
|  | | | | FRC |  | Incorrect Bill Calculation Method (REF\*PC) Requested | | | | |
|  | | | | FRD |  | Bill Option not valid for this type of account | | | | |
|  | | | | | | Valid in MD/DE (Delmarva): Used when consolidated bill option selected for manually billed account. | | | | |
|  | | | | LSI |  | LIN Sequence Invalid | | | | |
|  | | | | MAX |  | Maximum number of Enrollments/Drops reached | | | | |
|  | | | | | | Valid in MD: Used when the maximum threshold of enrollments/drops have been submitted for the customer during the current bill cycle. | | | | |
|  | | | | MTI |  | Maintenance Type Code (ASI02) Invalid | | | | |
|  | | | | NCB |  | EGS not certified to provide requested bill option | | | | |
|  | | | | | | Not valid in NJ | | | | |
|  | | | | NEB |  | Customer not eligible for requested bill option | | | | |
|  | | | | | | Not valid in NJ | | | | |
|  | | | | NFI |  | Not First In | | | | |
|  | | | | NLC |  | CAP accounts must use lowest cost supplier | | | | |
|  | | | | | | PA – Duquesne Only | | | | |
|  | | | | NLI |  | Not Last In | | | | |
|  | | | | PII |  | Participating Interest Invalid (Percent Participation) | | | | |
|  | | | | RCF |  | Rate Class Full | | | | |
|  | | | | | | Not valid in NJ | | | | |
|  | | | | SDE |  | Service Does Not Exist | | | | |
|  | | | |  |  | PA Rules: Used ONLY when the LDC receives a request for a service that the **state** does not support. REF\*1P\*SNP is used if the LDC receives a request that the state supports, but the LDC does not.  NJ Rules: In NJ it is valid to use the REF\*1P\*SNP at this time. | | | | |
|  | | | | TEI |  | Tax Exemption Percentage (AMT\*DP) Invalid | | | | |
|  | | | |  |  | This is used to reject an invalid percentage, such as greater than 100%. It will not be used if the ESP tax exemption percentage is different than the LDC tax exemption percentage. | | | | |
|  | | | | UND |  | Cannot identify ESP | | | | |
|  | | | | UNE |  | Cannot identify LDC | | | | |
|  | | | | W05 |  | Requested Rate not found or not in effect on the requested date (Rate Ready Only). | | | | |
| **Optional** | **REF03** | **352** | **Description** | | | | **X** | **AN 1/80** | |
|  | | | A free-form description to clarify the related data elements and their content | | | | | |
|  | | | Used to further describe the status reason code sent in REF02. Codes “A13” and “API” require text explanation in this element. | | | | | |

|  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Historical Usage (HU) Rejection Codes:** | | | | | | | | | | |
| Must Use | **REF02** | **127** | **Reference Identification** | | | | **X** | **AN 1/30** | | |
|  | | | Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier | | | | | | |
|  | | | | 008 |  | Account exists but is not active | | |
|  | | | | A13 |  | Other | | |
|  | | | | | | REF03 Required. Send email to edewg@ls.eei.org each time A13 is used for a new purpose. | | |
|  | | | | A76 |  | Account not found | | |
|  | | | |  |  | This includes invalid account numbers as well as no account number being found. | | |
|  | | | | ABN |  | Duplicate request received | | |
|  | | | | ACI |  | Action Code (ASI01) Invalid | | |
|  | | | | ANL |  | Service provider not licensed to provide requested service | | |
|  | | | | APA |  | Account Pending Active | | | | | |
|  | | | | API |  | Required information missing (REF03 Required) | | |
|  | | | | B33 |  | Customer name is missing from the request | | |
|  | | | | MTI |  | Maintenance Type Code (ASI02) Invalid | | | | | |
|  | | | | UND |  | Cannot identify ESP | | |
|  | | | | SSR |  | Secondary Service Rejected | | |
|  | | | | | | Secondary Service not performed because Primary Service was rejected | | |
| **Optional** | **REF03** | **352** | **Description** | | | | **X** | **AN 1/80** | | |
|  | | | A free-form description to clarify the related data elements and their content | | | | | | |
|  | | | Used to further describe the status reason code sent in REF02. Codes “A13” and “API” require text explanation in this element. | | | | | | |

|  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Historical Interval Usage (HI) Rejection Codes:** | | | | | | | | | | | |
| Must Use | **REF02** | **127** | **Reference Identification** | | | | | **X** | **AN 1/30** | | |
|  | | | Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier | | | | | | | |
|  | | | | | 008 |  | Account exists but is not active | | |
|  | | | | | A13 |  | Other | | |
|  | | | | | | | REF03 Required. Send email to edewg@ls.eei.org each time A13 is used for a new purpose. | | |
|  | | | | A76 | |  | Account not found | | |
|  | | | |  | |  | This includes invalid account numbers as well as no account number being found. | | |
|  | | | | ABN | |  | Duplicate request received | | |
|  | | | | ACI | |  | Action Code (ASI01) Invalid | | |
|  | | | | ANL | |  | Service provider not licensed to provide requested service | | |
|  | | | | APA | |  | Account Pending Active | | |
|  | | | | API | |  | Required information missing (REF03 Required) | | |
|  | | | | B33 | |  | Customer name is missing from the request | | |
|  | | | | IHA | |  | Insufficient History Available | | | | | |
|  | | | | MTI | |  | Maintenance Type Code (ASI02) Invalid | | | | | |
|  | | | | NIA | |  | Not Interval Account | | |
|  | | | | UND | |  | Cannot identify ESP | | |
|  | | | | SSR | |  | Secondary Service Rejected | | |
|  | | | | | | | Secondary Service not performed because Primary Service was rejected | | |
|  | | | |  | |  |  | | |
| **Optional** | **REF03** | **352** | **Description** | | | | | **X** | **AN 1/80** | | |
|  | | | A free-form description to clarify the related data elements and their content | | | | | | | |
|  | | | Used to further describe the status reason code sent in REF02. Codes “A13” and “API” require text explanation in this element. | | | | | | | |

|  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Summary Interval (SI) Rejection Codes** | | | | | | | | | | |
| **Must Use** | **REF02** | **127** | **Reference Identification** | | | | **X** | **AN 1/30** | | |
|  | | | Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier | | | | | | |
|  | | | | NIA |  | Not Interval Account | | |
| **Optional** | **REF03** | **352** | **Description** | | | | **X** | **AN 1/80** | | |
|  | | | A free-form description to clarify the related data elements and their content | | | | | | |
|  | | | Used to further describe the rejection reason code sent in REF02. Codes “A13” and “API” require text explanation in this element. | | | | | | |

# Segment: REF Reference Identification (1P=Status Reason)

**Position:** 030

**Loop:** LIN

**Level:** Detail

**Usage:** Optional

**Max Use:** >1

**Purpose:** To specify identifying information

**Syntax Notes:** **1** At least one of REF02 or REF03 is required.

**2** If either C04003 or C04004 is present, then the other is required.

**3** If either C04005 or C04006 is present, then the other is required.

**Semantic Notes:** **1** REF04 contains data relating to the value cited in REF02.

**Comments:**

|  |  |  |  |
| --- | --- | --- | --- |
| **Notes:** |  | This iteration of the REF segment is used primarily to convey status reason codes in response to a Request. The status reason codes are conveyed in this segment rather than in the ASI03 to allow for multiple status reasons.  A Status Reason code is different than a Rejection Reason code in that it is used to give additional information to the receiving party (an FYI). For example, if a request for Historical Usage is sent and the transaction is valid, but historical usage is not available for that customer, the transaction is accepted and a status reason code is provided to explain that the historical usage would not be sent. Generally, if a transaction is rejected, the sender is expected to follow up and resubmit; whereas if a transaction is accepted with a status reason code, the sender is not expected to take any further action. | |
| **PA Use:** |  | Request:  Accept Response:  Reject Response: | Not Used  Required when status information must be conveyed.  Required when status information must be conveyed. |
| **NJ Use:** |  | Same as PA | |
| **DE Use:** |  | Same as PA | |
| **MD Use:** |  | Request:  Accept Response:  Reject Response: | Required if ESP requests drop reversal or reinstatement  Same as PA  Same as PA  See General Notes section for how each Maryland utility handles requests for Historical data for an interval account. |
| **Example:** |  | REF\*1P\*A13\*ADDITIONAL REASON TEXT HERE  REF\*1P\*HUU\*HISTORICAL USAGE UNAVAILABLE  REF\*1P\*HUR\*HISTORICAL USAGE NOT RELEASED | |

**Data Element Summary**

**Ref. Data**

**Des. Element Name X12 Attributes**

|  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Must Use** | **REF01** | **128** | **Reference Identification Qualifier** | | | | **M** | **ID 2/3** | | |
|  | | | Code qualifying the Reference Identification | | | | | | |
|  | | | | 1P |  | Accessorial Status Code | | |
|  | | | | | | Used in the instance where the 814 Request is accepted, but additional status information must be provided; e.g. code W09, special off-cycle meter read cannot be performed. | | |

Rules for Status Reason Codes

|  |
| --- |
| The codes on the next several pages have been identified by the UIG to convey status reasons. Only the codes listed for each service are valid for that service. If you require additional codes, send an email to the appropriate state’s listserver.  “A13” (Other) must **only** be used when an existing error code does not convey the reason correctly. Each time “A13” (Other) is used for a new purpose, an E-mail must be sent to the appropriate state’s listserver by the party sending the code, to notify the market participants about the text explanation for A13. This information will be compiled and new codes will be issued on a periodic basis.  PA Listserver: [edewg@ls.eei.org](mailto:edtwg@ls.eei.org)  NJ Listserver: [njbpu@ls.eei.org](mailto:njbpu@ls.eei.org) |

|  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Generation Services (CE) Status Codes:** | | | | | | | | | | | |
| Must Use | **REF02** | **127** | **Reference Identification** | | | | | **X** | **AN 1/30** | | |
|  | | | Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier | | | | | | | |
|  | | | | A13 | |  | Other | | |
|  | | | | | | | REF03 Required. Send email to edewg@ls.eei.org each time A13 is used for a new purpose. | | |
|  | | | | B30 | |  | Currently Enrolled | | |
|  | | | | | | | Used to indicate that the customer is already enrolled with the ESP that is requesting enrollment. The transaction is treated as an inquiry. | | |
|  | | | | | EB1 | | Enrollment from active or pending supplier | | |
|  | | | | | | | Used by original active or pending supplier to have transaction treated a reversal of a drop. [MD Only] | | |
|  | | | | | EB2 | | Enrollment from Incumbent supplier | | |
|  | | | | | | | Used by incumbent supplier to have incumbent supplier re-instated. [MD Only] | | |
| **Optional** | **REF03** | **352** | **Description** | | | | | **X** | **AN 1/80** | | |
|  | | | A free-form description to clarify the related data elements and their content | | | | | | | |
|  | | | Used to further describe the status reason code sent in REF02. Code “A13” requires a text explanation in this element. | | | | | | | |

|  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Historical Usage (HU, HI) Status Codes:** | | | | | | | | | | |
| Must Use | **REF02** | **127** | **Reference Identification** | | | | **X** | **AN 1/30** | | |
|  | | | Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier | | | | | | |
|  | | | | A13 |  | Other | | |
|  | | | | | | REF03 Required. Send email to edewg@ls.eei.org each time A13 is used for a new purpose. | | |
|  | | | | HIA |  | Historical Interval Usage Available | | |
|  | | | |  |  | PA – only used on HU response when Historical Interval usage is available on account when HU was requested by EGS  MD – sent when at least one meter on account is interval | | |
|  | | | | HIU |  | Historical Interval Usage Unavailable | | |
|  | | | |  |  | PA – only used on HI response  MD – sent when no meters on account are interval | | |
|  | | | | HUR |  | Historical Usage Not Released | | |
|  | | | | HUU |  | Historical Usage Unavailable | | |
|  | | | | SNP |  | Service Not Provided | | |
| **Optional** | **REF03** | **352** | **Description** | | | | **X** | **AN 1/80** | | |
|  | | | A free-form description to clarify the related data elements and their content | | | | | | |
|  | | | Used to further describe the status reason code sent in REF02. Code “A13” requires a text explanation in this element. | | | | | | |

|  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Summary Interval (SI) Status Codes** | | | | | | | | | | |
| Must Use | **REF02** | **127** | **Reference Identification** | | | | **X** | **AN 1/30** | | |
|  | | | Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier | | | | | | |
|  | | | | A13 |  | Other | | |
|  | | | | | | REF03 Required. Send email to edewg@ls.eei.org each time A13 is used for a new purpose. | | |
|  | | | | A84 |  | Invalid Relationship | | |
|  | | | |  |  | This will be used when the requestor is not the supplier of record | | |
|  | | | | SNP |  | Service Not Provided | | |
|  | | | | UMA |  | Unmetered Account or non-Interval Account | | |
| Optional | **REF03** | **352** | **Description** | | | | **X** | **AN 1/80** | | |
|  | | | A free-form description to clarify the related data elements and their content | | | | | | |
|  | | | Used to further describe the status reason code sent in REF02. Code “A13” requires a text explanation in this element. | | | | | | |

# Segment: REF Reference Identification (11=ESP Account Number)

**Position:** 030

**Loop:** LIN

**Level:** Detail

**Usage:** Optional

**Max Use:** >1

**Purpose:** To specify identifying information

**Syntax Notes:** **1** At least one of REF02 or REF03 is required.

**2** If either C04003 or C04004 is present, then the other is required.

**3** If either C04005 or C04006 is present, then the other is required.

**Semantic Notes:** **1** REF04 contains data relating to the value cited in REF02.

**Comments:**

|  |  |  |  |
| --- | --- | --- | --- |
| **Notes:** |  | Must exclude punctuation (spaces, dashes, etc.). Significant leading and trailing zeros must be included. | |
| **PA Use:** |  | Request:  Accept Response:  Reject Response: | Optional  Required if it was provided on the request.  Required if it was provided on the request |
|  |  |  | |
| **NJ Use:** |  | Request:  Accept Response:  Reject Response: | Optional  Required if it was provided on the request.  Required if it was provided on the request |
|  |  |  | |
| **DE Use:** |  | Request:  Accept Response:  Reject Response: | Optional  Required if it was provided on the request.  Required if it was provided on the request. |
| **MD Use:** |  | Request:  Accept Response:  Reject Response: | Optional  Required if it was provided on the request. All utilities support up to 30 characters.  Required if it was provided on the request. |
| **Example:** |  | REF\*11\*2348400586 | |

**Data Element Summary**

**Ref. Data**

**Des. Element Name X12 Attributes**

|  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Must Use** | **REF01** | **128** | **Reference Identification Qualifier** | | | | **M** | **ID 2/3** | | |
|  | | | Code qualifying the Reference Identification | | | | | | |
|  | | | | 11 |  | Account Number | | |
|  | | | | | | ESP-assigned account number for end use customer. | | |
| **Must Use** | **REF02** | **127** | **Reference Identification** | | | | **X** | **AN 1/30** | | |
|  | | | Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier | | | | | | |

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

**Position:** 030

**Loop:** LIN

**Level:** Detail

**Usage:** Optional

**Max Use:** >1

**Purpose:** To specify identifying information

**Syntax Notes:** **1** At least one of REF02 or REF03 is required.

**2** If either C04003 or C04004 is present, then the other is required.

**3** If either C04005 or C04006 is present, then the other is required.

**Semantic Notes:** **1** REF04 contains data relating to the value cited in REF02.

**Comments:**

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

**Data Element Summary**

**Ref. Data**

**Des. Element Name X12 Attributes**

|  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Must Use** | **REF01** | **128** | **Reference Identification Qualifier** | | | | **M** | **ID 2/3** | | |
|  | | | Code qualifying the Reference Identification | | | | | | |
|  | | | | 12 |  | Billing Account | | |
|  | | | | | | LDC-assigned account number for end use customer. | | |
| **Must Use** | **REF02** | **127** | **Reference Identification** | | | | **X** | **AN 1/30** | | |
|  | | | Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier | | | | | | |

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

**Position:** 030

**Loop:** LIN

**Level:** Detail

**Usage:** Optional

**Max Use:** >1

**Purpose:** To specify identifying information

**Syntax Notes:** **1** At least one of REF02 or REF03 is required.

**2** If either C04003 or C04004 is present, then the other is required.

**3** If either C04005 or C04006 is present, then the other is required.

**Semantic Notes:** **1** REF04 contains data relating to the value cited in REF02.

**Comments:**

|  |  |  |  |
| --- | --- | --- | --- |
| **PA Use:** |  | Request:  Accept Response:  Reject Response: | Not Used  Required if the account number has changed in the last 60 days.  Not Used |
| **NJ Use:** |  | Same as PA | |
| **DE Use:** |  | Not Used – Delmarva will not change LDC account number. | |
| **MD Use:** |  | Not Used by BGE, PEPCO, or Delmarva.  PE: Required if the account number has changed in the last 60 days. | |
| **Example:** |  | REF\*45\*1105687500 | |

**Data Element Summary**

**Ref. Data**

**Des. Element Name X12 Attributes**

|  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Must Use** | **REF01** | **128** | **Reference Identification Qualifier** | | | | **M** | **ID 2/3** | | |
|  | | | Code qualifying the Reference Identification | | | | | | |
|  | | | | 45 |  | Old Account Number | | |
|  | | | | | | LDC’s previous account number for the end use customer. | | |
| **Must Use** | **REF02** | **127** | **Reference Identification** | | | | **X** | **AN 1/30** | | |
|  | | | Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier | | | | | | |

# Segment: REF Reference Identification (4N=Payment Arrangement)

**Position:** 030

**Loop:** LIN

**Level:** Detail

**Usage:** Optional

**Max Use:** >1

**Purpose:** To specify identifying information

**Syntax Notes:** **1** At least one of REF02 or REF03 is required.

**2** If either C04003 or C04004 is present, then the other is required.

**3** If either C04005 or C04006 is present, then the other is required.

**Semantic Notes:** **1** REF04 contains data relating to the value cited in REF02.

**Comments:**

|  |  |  |  |
| --- | --- | --- | --- |
| **PA Use:** |  | Used to convey current LDC Payment Arrangement Status of the customer at the point of time of the Enrollment. An 814 Change would not be processed if the status changed. | |
|  |  | Request:  CE Accept Response:  All other Accept Responses:  Reject Response: | Not Used  Required for PPL EU  Not Used  Not Used |
| **NJ Use:** |  | Not used in New Jersey | |
| **DE Use:** |  | Not Used | |
| **MD Use:** |  | Not Used | |
| **Example:** |  | REF\*4N\*N | |

**Data Element Summary**

**Ref. Data**

**Des. Element Name X12 Attributes**

|  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Must Use** | **REF01** | **128** | **Reference Identification Qualifier** | | | | **M** | **ID 2/3** | | |
|  | | | Code qualifying the Reference Identification | | | | | | |
|  | | | | 4N |  | Special Payment Reference Number | | |
|  | | | | | | Used to indicate that customer has made a payment arrangement. | | |
| **Must Use** | **REF02** | **127** | **Reference Identification** | | | | **X** | **AN 1/30** | | |
|  | | | Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier | | | | | | |
|  | | | | Y |  | Customer has an active payment arrangement | | |
|  | | | | N |  | Customer does not have an active payment arrangement | | |

# Segment: REF Reference Identification (AN=Aggregate Net Energy Meter Role)

**Position:** 030

**Loop:** LIN

**Level:** Detail

**Usage:** Optional

**Max Use:** >1

**Purpose:** To specify identifying information

**Syntax Notes:** **1** At least one of REF02 or REF03 is required.

**2** If either C04003 or C04004 is present, then the other is required.

**3** If either C04005 or C04006 is present, then the other is required.

**Semantic Notes:** **1** REF04 contains data relating to the value cited in REF02.

**Comments:**

|  |  |  |
| --- | --- | --- |
| **PA Use:** |  | Not Used |
| **NJ Use:** |  | Not Used |
| **DE Use:** |  | Not Used |
| **MD Use:** |  | Conditional - Required when the customer account is part of an Aggregate Net Energy Meter family. |
| **Example:** |  | REF\*AN\* PARENTHOST |

**Data Element Summary**

**Ref. Data**

**Des. Element Name X12 Attributes**

|  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Must Use** | **REF01** | **128** | | **Reference Identification Qualifier** | | | | **M** | **ID 2/3** | | |
|  | | | | Code qualifying the Reference Identification | | | | | | |
|  | | | | | AN |  | Aggregate Net Energy Meter Role | | |
|  | | | | | | | The role of the customer account in the Aggregate Net Energy Meter family | | |
| **Must Use** | **REF02** | **127** | | **Reference Identification** | | | | **X** | **AN 1/30** | | |
|  | | | | Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier | | | | | | |
|  | | | PARENTHOST  PARENT  CHILD | | |  | BGE & FE: Host Account with Generation  PHI: Customer designated primary host (parent) with Generation  BGE & FE: Not Used  PHI: Host account with generation, not the primary  Child account, may or may not have its own generation. NOTE - The REF\*KY segment is used to notify the account has its own generation. | | |

|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Optional** | **REF03** | **352** | **Description** | | | | **X** | **AN 1/80** | |
|  | | | A free-form description to clarify the related data elements and their content | | | | | |
|  | | | |  |  |  | | |
|  | | | | | | Aggregate Net Energy Meter Family ID Number used to identify the ANEM family.  Required for BGE when REF02 = CHILD, else optional | | |

# Segment: REF Reference Identification (BF=LDC Bill Cycle)

**Position:** 030

**Loop:** LIN

**Level:** Detail

**Usage:** Optional

**Max Use:** >1

**Purpose:** To specify identifying information

**Syntax Notes:** **1** At least one of REF02 or REF03 is required.

**2** If either C04003 or C04004 is present, then the other is required.

**3** If either C04005 or C04006 is present, then the other is required.

**Semantic Notes:** **1** REF04 contains data relating to the value cited in REF02.

**Comments:**

|  |  |  |  |
| --- | --- | --- | --- |
| **PA Use:** |  | Request:  CE Accept Response:  All other Accept Responses:  Reject Response: | Not Used  Required  Not Used  Not Used |
|  |  | **PA Note:** Normally, Bill Cycle (REF\*BF) and Meter Cycle (REF\*TZ) are the same. An exception is when the account is on a summary bill. When a customer is on a summary bill, the bill cycle (REF\*BF) will reflect the cycle when the bill is issued to the customer. The meter cycle (REF\*TX) will continue to indicate the cycle the account is read. | |
| **NJ Use:** |  | Request:  CE Accept Response:  All other Accept Responses:  Reject Response: | Not Used  Required  Not Used  Not Used |
| **DE Use:** |  | Same as NJ. | |
| **MD Use:** |  | Same as NJ | |
| **Example:** |  | REF\*BF\*15 | |

**Data Element Summary**

**Ref. Data**

**Des. Element Name X12 Attributes**

|  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Must Use** | **REF01** | **128** | **Reference Identification Qualifier** | | | | **M** | **ID 2/3** | | |
|  | | | Code qualifying the Reference Identification | | | | | | |
|  | | | | BF |  | Billing Center Identification | | |
|  | | | | | | LDC Billing cycle. Cycle number when the billing will be rendered. | | |
| **Must Use** | **REF02** | **127** | **Reference Identification** | | | | **X** | **AN 1/30** | | |
|  | | | Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier | | | | | | |

# Segment: REF Reference Identification (BLT=Billing Type)

**Position:** 030

**Loop:** LIN

**Level:** Detail

**Usage:** Optional

**Max Use:** >1

**Purpose:** To specify identifying information

**Syntax Notes:** **1** At least one of REF02 or REF03 is required.

**2** If either C04003 or C04004 is present, then the other is required.

**3** If either C04005 or C04006 is present, then the other is required.

**Semantic Notes:** **1** REF04 contains data relating to the value cited in REF02.

**Comments:**

|  |  |  |  |
| --- | --- | --- | --- |
| **PA Use:** |  | CE Request:  CE Accept Response:  CE Reject Response:  All other Requests:  All other Accept Responses:  All other Reject Responses: | Required  Required  Return on the response if it was provided on the request  Not Used  Not Used  Not Used |
| **NJ Use:** |  | Same as PA. However, only valid options are LDC and DUAL. | |
| **DE Use:** |  | Same as PA | |
| **MD Use:** |  | Same as PA | |
| **Example:** |  | REF\*BLT\*LDC | |

**Data Element Summary**

**Ref. Data**

**Des. Element Name X12 Attributes**

|  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Must Use** | **REF01** | **128** | **Reference Identification Qualifier** | | | | **M** | **ID 2/3** | | |
|  | | | Code qualifying the Reference Identification | | | | | | |
|  | | | | BLT |  | Billing Type | | |
|  | | | | | | Identifies whether the bill is consolidated by the LDC or ESP, or whether each party will render their own bill. See REF02 for valid values. | | |
| **Must Use** | **REF02** | **127** | **Reference Identification** | | | | **X** | **AN 1/30** | | |
|  | | | Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier | | | | | | |
|  | | | When REF01 is BLT, valid values for REF02 are:  LDC - The LDC bills the customer  ESP - The ESP bills the customer  DUAL - Each party bills the customer for its portion  **Note:** In New Jersey, only LDC and DUAL are valid. | | | | | | |

# Segment: REF Reference Identification (PC=Bill Calculator)

**Position:** 030

**Loop:** LIN

**Level:** Detail

**Usage:** Optional

**Max Use:** >1

**Purpose:** To specify identifying information

**Syntax Notes:** **1** At least one of REF02 or REF03 is required.

**2** If either C04003 or C04004 is present, then the other is required.

**3** If either C04005 or C04006 is present, then the other is required.

**Semantic Notes:** **1** REF04 contains data relating to the value cited in REF02.

**Comments:**

|  |  |  |  |
| --- | --- | --- | --- |
| **PA Use:** |  | CE Request:  CE Accept Response:  CE Reject Response:  All other Requests:  All other Accept Responses:  All other Reject Responses: | Required  Required  Return on the response if it was provided on the request  Not Used  Not Used  Not Used |
| **NJ Use:** |  | Same as PA | |
| **DE Use:** |  | Same as PA | |
| **MD Use:** |  | Same as PA | |
| **Example:** |  | REF\*PC\*LDC | |

**Data Element Summary**

**Ref. Data**

**Des. Element Name X12 Attributes**

|  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Must Use** | **REF01** | **128** | **Reference Identification Qualifier** | | | | **M** | **ID 2/3** | | |
|  | | | Code qualifying the Reference Identification | | | | | | |
|  | | | | PC |  | Production Code | | |
|  | | | | | | Identifies the party that is to calculate the charges on the bill. | | |
| **Must Use** | **REF02** | **127** | **Reference Identification** | | | | **X** | **AN 1/30** | | |
|  | | | Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier | | | | | | |
|  | | | When REF01 is PC, valid values for REF02 are:  LDC - The LDC calculates the charges on the bill (Rate Ready)  DUAL - Each party calculates its portion of the bill (Dual or Bill Ready) | | | | | | |

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **IF …** | | | **THEN…** | |
| **Bills the** | **Calculates** | | **Billing Party** | **Calc. Party** |
| **Customer** | **LDC Portion** | **ESP Portion** | **REF\*BLT** | **REF\*PC** |
| LDC | LDC | LDC | LDC | LDC |
| LDC | LDC | ESP | LDC | DUAL |
| ESP | LDC | ESP | ESP | DUAL |
| DUAL | LDC | ESP | DUAL | 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 (NR=LDC Budget Billing Status)

**Position:** 030

**Loop:** LIN

**Level:** Detail

**Usage:** Optional

**Max Use:** >1

**Purpose:** To specify identifying information

**Syntax Notes:** **1** At least one of REF02 or REF03 is required.

**2** If either C04003 or C04004 is present, then the other is required.

**3** If either C04005 or C04006 is present, then the other is required.

**Semantic Notes:** **1** REF04 contains data relating to the value cited in REF02.

**Comments:**

|  |  |  |  |
| --- | --- | --- | --- |
| **PA Use:** |  | Used to convey the budget billing status at the point of time of the enrollment. An 814 change would not be sent if the status changed. | |
|  |  | Request:  CE Accept Response:  All other Accept Responses:  Reject Response: | Not Used  Required for PECO  Optional for others  Not Used  Not Used |
| **NJ Use:** |  | Not Used | |
| **DE Use:** |  | Not Used | |
| **MD Use:** |  | Not Used | |
| **Example:** |  | REF\*NR\*Y | |

**Data Element Summary**

**Ref. Data**

**Des. Element Name X12 Attributes**

|  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Must Use** | **REF01** | **128** | **Reference Identification Qualifier** | | | | **M** | **ID 2/3** | | |
|  | | | Code qualifying the Reference Identification | | | | | | |
|  | | | | NR |  | Progress Payment Number | | |
|  | | | | | | Used to convey LDC Budget Billing Status | | |
| **Must Use** | **REF02** | **127** | **Reference Identification** | | | | **X** | **AN 1/30** | | |
|  | | | Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier | | | | | | |
|  | | | When REF01 is NR, valid values for REF02 are:  Y – LDC is Budget Billing LDC charges for this account.  N – LDC is not Budget Billing LDC charges for this account. | | | | | | |

# Segment: REF Reference Identification (SPL=PJM LMP Bus)

**Position:** 030

**Loop:** LIN

**Level:** Detail

**Usage:** Optional

**Max Use:** >1

**Purpose:** To specify identifying information

**Syntax Notes:** **1** At least one of REF02 or REF03 is required.

**2** If either C04003 or C04004 is present, then the other is required.

**3** If either C04005 or C04006 is present, then the other is required.

**Semantic Notes:** **1** REF04 contains data relating to the value cited in REF02.

**Comments:**

|  |  |  |  |
| --- | --- | --- | --- |
| **PA Use:** |  | Note that the PJM LMP Bus must appear in the REF03 because REF02 is limited to 30 characters and this field requires at least 32. | |
|  |  | Request:  CE Accept Response:  All other Accept Responses:  Reject Response: | Not Used  Optional  Not Used  Not Used |
| **NJ Use:** |  | Same as PA | |
| **DE Use:** |  | Same as PA | |
| **MD Use:** |  | Same as PA | |
| **Example:** |  | REF\*SPL\*\* REF\*SPL\*\*PEPZONE | |

**Data Element Summary**

**Ref. Data**

**Des. Element Name X12 Attributes**

|  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Must Use** | **REF01** | **128** | **Reference Identification Qualifier** | | | | **M** | **ID 2/3** | | |
|  | | | Code qualifying the Reference Identification | | | | | | |
|  | | | | SPL |  | Standard Point Location Code (SPLC) | | |
|  | | | | | | Point at which the customer is connected to the transmission grid (PJM LMP Bus). This represents the Wholesale Settlement Bus. | | |
| **Must Use** | **REF03** | **352** | **Description** | | | | **X** | **AN 1/80** | | |
|  | | | A free-form description to clarify the related data elements and their content | | | | | | |
|  | | | PJM LMP Bus – Note REF03 is used, not REF02!! | | | | | | |

# Segment: REF Reference Identification (17=Summary Interval)

**Position:** 030

**Loop:** LIN

**Level:** Detail

**Usage:** Optional

**Max Use:** >1

**Purpose:** To specify identifying information

**Syntax Notes:** **1** At least one of REF02 or REF03 is required.

**2** If either C04003 or C04004 is present, then the other is required.

**3** If either C04005 or C04006 is present, then the other is required.

**Semantic Notes:** **1** REF04 contains data relating to the value cited in REF02.

**Comments:**

|  |  |  |  |
| --- | --- | --- | --- |
| **PA Use:** |  | * Every utility must provide the ability for a supplier to receive interval data at either the summary level or the detail level. The default, except for PPL EU and PECO, is that an ESP will receive interval data at the summary and the detail level. If an ESP wants interval data at both the summary and the detail level the ESP does not need to take any action. * For PPL EU, because nearly all customers have interval meters, the default is for the ESP to receive summary data only. If an ESP wants interval data at both the summary and detail levels, the ESP must submit “SI” and include the REF\*17\*DETAIL segment. * For PECO, the default is also for the ESP to receive summary data only. If an ESP wants interval data at the detail level, the ESP must submit “SI” and specify account-level versus meter-level detail via the REF\*17 segment. Please note that, unlike PPL EU, PECO does not provide interval data for billing at both the summary and detail levels; The ESP may receive either summary or detail, but not both * If an ESP wants to receive interval data at only the summary level, the ESP must: * Contact the LDC to determine if the LDC supports summary level data by account or by ESP * If the LDC supports summary level interval data by account, the ESP must submit "SI" in the LIN05 to indicate that only summary level interval data is requested for the account. * If the LDC supports summary level interval data by ESP, the "SI" in the LIN05 is not used. The ESP must call the supplier interface group at the LDC to request summary level interval data. The LDC will then return summary level interval data for ALL accounts for that ESP. * For PPL EU, the default is summary. If an ESP wants interval data at both the summary and detail levels, the ESP must submit “SI” and include the REF\*17\*DETAIL segment. * As stated above, PECO does not provide interval data for billing at both the summary and detail levels; The ESP may receive either summary or detail, but not both.   Responses to a Summary Interval Request (LIN05=SI):   * If the utility does not provide this capability at the account level, they will accept the request, but respond with a Status Reason code (1P) of SNP for “Service Not Provided”. * If the utility provides this service at the account level, but the account is not an interval account, they will accept the request, but respond with a Status Reason code (1P) of UMA for “Unmetered or non-interval account”. * If the utility provides this service at the account level, and the account is an interval account, the utility will accept this request, and in their response send a ***REF\*17\*SUMMARY***. | |
|  |  | SI Request:  SI Accept Response:  SI Reject Response  All other Requests:  All other Accept Responses:  All other Reject Responses: | Required by PPL EU and PECO in the LIN loop where LIN05=SI if the ESP wants to receive Interval Details.  Required if service was requested and will be provided.  Not Used  Not Used  Not Used  Not Used |
| **NJ Use:** |  | Optional for JCP&L and Atlantic City Electric | |
| **DE Use:** |  | Same as Delmarva MD | |
| **MD Use:** |  | Same as PA as far as 814 Enrollment transaction.  Refer to General Notes section for each utility’s plans to provide interval details. | |
| **Example:** |  | REF\*17\*SUMMARY | |

**Data Element Summary**

**Ref. Data**

**Des. Element Name X12 Attributes**

|  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Must Use** | **REF01** | **128** | **Reference Identification Qualifier** | | | | **M** | **ID 2/3** | | |
|  | | | Code qualifying the Reference Identification | | | | | | |
|  | | | | 17 |  | Client Reporting Category | | |
|  | | | | | | Used to convey whether the ESP will receive summary only information, or detail and associated summary information for this interval account. | | |
| **Must Use** | **REF02** | **127** | **Reference Identification** | | | | **X** | **AN 1/30** | | |
|  | | | Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier | | | | | | |
|  | | | When REF01 is 17, valid values for REF02 are:  **SUMMARY** – Metering party will send only summary level data for this interval account.  **DETAIL** – Metering party will send interval details for this account. For PECO this will interpret as account-level detail.  **METERDETAIL** – Metering party will send interval details for each meter on the account (PECO only) | | | | | | |

# 

# Segment: REF Reference Identification (KY=Special Meter Configuration)

**Position:** 030

**Loop:** LIN

**Level:** Detail

**Usage:** Optional

**Max Use:** >1

**Purpose:** To specify identifying information

**Syntax Notes:** **1** At least one of REF02 or REF03 is required.

**2** If either C04003 or C04004 is present, then the other is required.

**3** If either C04005 or C04006 is present, then the other is required.

**Semantic Notes:** **1** REF04 contains data relating to the value cited in REF02.

**Comments:**

|  |  |  |
| --- | --- | --- |
| **PA Use:** |  | Required when special meter configuration is present on an account  PPLEU: supports  First Energy & PECO: must support NLT 6/19/2013  Duquesne: will support NLT 1/31/2014 |
| **NJ Use:** |  | Same as PA  Atlantic City Electric: with new CIS  JCP&L: est. 2Q 2014  PSE&G: in production  Note: Valid REF02 in NJ is ‘NETMETER’ |
| **DE Use:** |  | Not Used |
| **MD Use:** |  | Same as PA  BGE: est. 4Q 2014  PHI (Delmarva & PEPCO): with new CIS  Potomac Edison (FE): in production |
| **Example:** |  | REF\*KY\* NSUN\*0000026 |

**Data Element Summary**

**Ref. Data**

**Des. Element Name X12 Attributes**

|  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Must Use** | **REF01** | **128** | | **Reference Identification Qualifier** | | | | **M** | **ID 2/3** | | |
|  | | | | Code qualifying the Reference Identification | | | | | | |
|  | | | | | KY |  | Site Specific Procedures, Terms, and Conditions | | |
|  | | | | | | | Special Meter Configuration | | |
| **Must Use** | **REF02** | **127** | | **Reference Identification** | | | | **X** | **AN 1/30** | | |
|  | | | | Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier | | | | | | |
|  | | | ASUN  AWIN  AHYD  ABIO  AWST  ACHP  AMLT  NSUN  NWIN  NHYD  NBIO  NWST  NCHP  NFOS  NMLT  NETMETER | | |  | Net Metering Solar  Net Metering Wind  Net Metering Hydro  Net Metering Biomass  Net Metering Waste  Net Metering Combined Heat and Power  Net Metering Multiple Different Sources  Non-Net Metering Solar  Non-Net Metering Wind  Non-Net Metering Hydro  Non-Net Metering Biomass  Non-Net Metering Waste  Non-Net Metering Combined Heat and Power  Non-Net Metering Fossil Fuel  Non-Net Metering Multiple Different Sources  Net Meter (Used for EDCs who will not report the specific type of net meter) | | |

|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Optional** | **REF03** | **352** | **Description** | | | | **X** | **AN 1/80** | |
|  | | | A free-form description to clarify the related data elements and their content | | | | | |
|  | | | |  |  |  | | |
|  | | | | | | PPLEU: Used for the output rating of the generation equipment reporting in KW and reflects the maximum generation the equipment can produce at any one time | | |

# Segment: REF Reference Identification (IC=Instant Connect)

**Position:** 030

**Loop:** LIN

**Level:** Detail

**Usage:** Optional

**Max Use:** >1

**Purpose:** To specify identifying information

**Syntax Notes:** **1** At least one of REF02 or REF03 is required.

**2** If either C04003 or C04004 is present, then the other is required.

**3** If either C04005 or C04006 is present, then the other is required.

**Semantic Notes:** **1** REF04 contains data relating to the value cited in REF02.

**Comments:**

|  |  |  |  |
| --- | --- | --- | --- |
| **PA Use:** |  | Used to convey the account is creating electric service at the time of the Enrollment via the rules established for Instant Connects. | |
|  |  | Request:  CE Accept Response:  All other Accept Responses:  Reject Response: | Not Used  Required for FirstEnergy only  Not Used  Not Used |
| **NJ Use:** |  | Not used | |
| **DE Use:** |  | Not Used | |
| **MD Use:** |  | Not Used | |
| **Example:** |  | REF\*IC\*Y | |

**Data Element Summary**

**Ref. Data**

**Des. Element Name X12 Attributes**

|  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Must Use** | **REF01** | **128** | **Reference Identification Qualifier** | | | | **M** | **ID 2/3** | | |
|  | | | Code qualifying the Reference Identification | | | | | | |
|  | | | | IC |  | Instant Connect | | |
|  | | | | | | Used to indicate the customer is establishing service under the rules established for Instant Connects. | | |
| **Must Use** | **REF02** | **127** | **Reference Identification** | | | | **X** | **AN 1/30** | | |
|  | | | Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier | | | | | | |
|  | | | | Y |  | Customer is establishing service under the rules for Instant Connects | | |
|  | | | | N |  | Customer is not establishing service under the rules for Instant Connects | | |

# 

# Segment: DTM Date/Time Reference (129=Contract Effective Date)

**Position:** 040

**Loop:** LIN

**Level:** Detail

**Usage:** Optional

**Max Use:** >1

**Purpose:** To specify pertinent dates and times

**Syntax Notes:** **1** At least one of DTM02 DTM03 or DTM05 is required.

**2** If DTM04 is present, then DTM03 is required.

**3** If either DTM05 or DTM06 is present, then the other is required.

**Semantic Notes:**

**Comments:**

|  |  |  |  |
| --- | --- | --- | --- |
| **Notes:** |  | To specify a time zone (DTM04), both DTM03 and DTM04 must be present. | |
| **PA Use:** |  | CE Request:  CE Accept Response:  All other Accept Responses:  Reject Response: | Required  Required as provided on the request.  Not Used  Returned on the response if provided on the request  **NOTE:** PA EDCs are permitted to reject the 814E if the DTM129 includes a future date/time. |
| **NJ Use:** |  | Same as PA  PSE&G expects to receive only eastern time. | |
| **DE Use:** |  | Same as PA | |
| **MD Use:** |  | Same as PA | |
| **Example:** |  | DTM\*129\*19990411\*1430\*ET | |

**Data Element Summary**

**Ref. Data**

**Des. Element Name X12 Attributes**

|  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Must Use** | **DTM01** | **374** | **Date/Time Qualifier** | | | | **M** | **ID 3/3** | | | |
|  | | | Code specifying type of date or time, or both date and time | | | | | | |
|  | | | | 129 |  | Customer Contract Effective | | | | |
|  | | | | | | The date/time the customer agreed to obtain service from the Service Provider. Specifically the date/time the customer signed the contract or signed up online to begin service with the supplier. This should not be the system timestamp of the EDI 814 enrollment transaction | | | | |
| **Must Use** | **DTM02** | **373** | **Date** | | | | **X** | **DT 8/8** | | | |
|  | | | Date expressed as CCYYMMDD | | | | | | |
| **Must Use** | **DTM03** | **337** | **Time** | | | | **X** | **TM 4/8** | | | |
|  | | | Time expressed in 24-hour clock time as follows: HHMM, or HHMMSS, or HHMMSSD, or HHMMSSDD, where H = hours (00-23), M = minutes (00-59), S = integer seconds (00-59) and DD = decimal seconds; decimal seconds are expressed as follows: D = tenths (0-9) and DD = hundredths (00-99) | | | | | | |
|  | | | Time expressed as HHMM | | | | | | | |
| **Must Use** | **DTM04** | **623** | **Time Code** | | | | **O** | **ID 2/2** | | | |
|  | | | Code identifying the time. In accordance with International Standards Organization standard 8601, time can be specified by a + or - and an indication in hours in relation to Universal Time Coordinate (UTC) time; since + is a restricted character, + and - are substituted by P and M in the codes that follow | | | | | | |
|  | | | | CT |  | Central Time | | |
|  | | | | ET |  | Eastern Time | | |
|  | | | | MT |  | Mountain Time | | |
|  | | | | PT |  | Pacific Time | | |

# Segment: DTM Date/Time Reference (150=Service Start Date)

**Position:** 040

**Loop:** LIN

**Level:** Detail

**Usage:** Optional

**Max Use:** >1

**Purpose:** To specify pertinent dates and times

**Syntax Notes:** **1** At least one of DTM02 DTM03 or DTM05 is required.

**2** If DTM04 is present, then DTM03 is required.

**3** If either DTM05 or DTM06 is present, then the other is required.

**Semantic Notes:**

**Comments:**

|  |  |  |  |
| --- | --- | --- | --- |
| **PA Use:** |  | Request:  CE Accept Response:  All other Accept Responses:  Reject Response: | Not Used  Required  Not Used  Not Used |
| **NJ Use:** |  | Same as PA | |
| **DE Use:** |  | Same as PA | |
| **MD Use:** |  | Same as PA | |
| **Example:** |  | DTM\*150\*19990115 | |

**Data Element Summary**

**Ref. Data**

**Des. Element Name X12 Attributes**

|  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Must Use** | **DTM01** | **374** | **Date/Time Qualifier** | | | | **M** | **ID 3/3** | | |
|  | | | Code specifying type of date or time, or both date and time | | | | | | |
|  | | | | 150 |  | Service Period Start | | |
|  | | | | | | The date which energy is expected to flow for this customer for the ESP. | | |
| **Must Use** | **DTM02** | **373** | **Date** | | | | **X** | **DT 8/8** | | |
|  | | | Date expressed as CCYYMMDD | | | | | | |

# d Segment: AMT Monetary Amount (7N=Participating Interest)

**Position:** 060

**Loop:** LIN

**Level:** Detail

**Usage:** Optional

**Max Use:** >1

**Purpose:** To indicate the total monetary amount

**Syntax Notes:**

**Semantic Notes:**

**Comments:**

|  |  |  |  |
| --- | --- | --- | --- |
| **Notes:** |  | Use precision to the fifth decimal place. | |
| **PA Use:** |  | CE Request:  CE Accept Response:  CE Reject Response:  Other Requests:  Other Responses: | Required - Must be 100% , or enrollment will be rejected  Required  Return on response if it was provided on the request  Not Used  Not Used |
| **NJ Use:** |  | CE Request:  CE Accept Response:  CE Reject Response:  Other Requests:  Other Accept Responses:  Other Reject Responses: | Must be 100% , or enrollment will be rejected  Return on response if it was provided on the request  Return on response if it was provided on the request  Not Used  Not Used  Not Used |
|  |  | **NJ Note:** Even though a customer may elect less than 100% participation, a customer may still only have one GPM at a time. If a second GPM enrollment is received, the original GPM will be dropped | |
| **DE Use:** |  | Same as NJ | |
| **MD Use:** |  | Same as NJ | |
| **Examples:** |  | AMT\*7N\*1  AMT\*7N\*.5 | AMT\*7N\*.66667  AMT\*7N\*.33333 |

**Data Element Summary**

**Ref. Data**

**Des. Element Name X12 Attributes**

|  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Must Use** | **AMT01** | **522** | **Amount Qualifier Code** | | | | **M** | **ID 1/3** | | |
|  | | | Code to qualify amount | | | | | |
|  | | | | 7N |  | Participating Interest | | | |
|  | | | | | | This code is used to indicate the percentage of the eligible load that is supplied by the Energy Service Provider. | | | |
| **Must Use** | **AMT02** | **782** | **Monetary Amount** | | | | **M** | **R 1/18** | | |
|  | | | Monetary amount | | | | | |
|  | | | For percentage values, the whole number "1" represents 100 percent; decimal numbers less than "1" represent percentages from 1 percent to 99 percent. | | | | | |

|  |  |
| --- | --- |
| If ESP Requests \_\_\_ of a Customer’s Eligible Load… | Then, AMT02 is… |
| 100% | 1 |
| 2/3 | .66667 |
| 1/2 | .5 |
| 1/3 | .33333 |

**Note:** The actual Eligible Load that will be supplied by an ESP will be the product of Participating Interest (AMT01 = 7N) and Eligible Load Percentage (AMT01 = QY). See example below:

|  |  |  |
| --- | --- | --- |
| Participating Interest (AMT01=7N) | Eligible Load Percentage  (AMT01=QY) | ESP Responsible for |
| 1 | 1 | 1 (100%) |
| .5 | 1 | .5 (50%) |
| .33333 | 1 | .33333 (33%) |
| 1 | .66667 | .66667 (66%) |
| .5 | .66667 | .33333 (33%) |

# Segment: AMT Monetary Amount (QY=Eligible Load Percentage)

**Position:** 060

**Loop:** LIN

**Level:** Detail

**Usage:** Optional

**Max Use:** >1

**Purpose:** To indicate the total monetary amount

**Syntax Notes:**

**Semantic Notes:**

**Comments:**

|  |  |  |  |
| --- | --- | --- | --- |
| **Notes:** |  | Use precision to the fifth decimal place. | |
| **PA Use:** |  | Request:  CE Accept Response:  All other Accept Responses:  Reject Response: | Not Used  Required – will always reflect 100%  Not Used  Not Used |
| **NJ Use:** |  | Same as PA. However, CE Accept Response will always reflect 100%. | |
| **DE Use:** |  | Same as PA. However, CE Accept Response will always reflect 100%. | |
| **MD Use:** |  | Same as PA. However, CE Accept Response will always reflect 100%. | |
| **Example:** |  | AMT\*QY\*.66667 | |

**Data Element Summary**

**Ref. Data**

**Des. Element Name X12 Attributes**

|  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Must Use** | **AMT01** | **522** | **Amount Qualifier Code** | | | | **M** | **ID 1/3** | | |
|  | | | Code to qualify amount | | | | | | |
|  | | | | QY |  | Qualified | | |
|  | | | | | | Eligible Load Percentage. Percentage of the customer’s load that is eligible for competition. | | |
| **Must Use** | **AMT02** | **782** | **Monetary Amount** | | | | **M** | **R 1/18** | | |
|  | | | Monetary amount | | | | | | |
|  | | | For percentage values, the whole number "1" represents 100 percent; decimal numbers less than "1" represent percentages from 1 percent to 99 percent. | | | | | | |

|  |  |
| --- | --- |
| If ESP Requests \_\_\_ of a Customer’s Eligible Load… | Then, AMT02 is… |
| 100% | 1 |
| 2/3 | .66667 |
| 1/2 | .5 |
| 1/3 | .33333 |

**Note:** The actual Eligible Load that will be supplied by an ESP will be the product of Participating Interest (AMT01 = 7N) and Eligible Load Percentage (AMT01 = QY). See example below:

|  |  |  |
| --- | --- | --- |
| Participating Interest (AMT01=7N) | Eligible Load Percentage  (AMT01=QY) | ESP Responsible for |
| 1 | 1 | 1 (100%) |
| .5 | 1 | .5 (50%) |
| .33333 | 1 | .33333 (33%) |
| 1 | .66667 | .66667 (66%) |
| .5 | .66667 | .33333 (33%) |

# Segment: AMT Monetary Amount (DP=Tax Exemption Percent)

**Position:** 060

**Loop:** LIN

**Level:** Detail

**Usage:** Optional

**Max Use:** >1

**Purpose:** To indicate the total monetary amount

**Syntax Notes:**

**Semantic Notes:**

**Comments:**

|  |  |  |  |
| --- | --- | --- | --- |
| **PA Use:** |  | This field is used for the non-billing party to tell the billing party the tax exemption amount that should be entered into the billing party's system in order to calculate a bill on the sender’s behalf. This is required only for rate-ready LDC Consolidated billing where the LDC has loaded the ESP rates into their system, the LDC calculates the ESP charges, and places the ESP charges on the LDC bill. The following generic rules are offered to better explain the use of the segment for PA:   * Residential customers default to ‘1’ (AMT\*DP\*1~) as 100% tax exempt unless the residence is used for business purposes or vacation home. * Commercial customers default to ‘0’ (AMT\*DP\*0~) being 0% tax exempt unless the customer presents a sales tax exemption certificate. Should the customer have a tax exemption percentage less than 100% but greater than 0%, the value would be reported as a decimal (AMT\*DP\*.5~). A tax exemption certificate must be secured from the customer.   It’s the ESP’s responsibility to ensure the value in the AMTDP is accurate based on the customer’s tax status. Under Rate Ready billing, correcting inaccurate customer bills due to incorrect tax exemption is not the LDC’s responsibility and in most cases requires the Supplier to rectify directly with the customer. | |
|  |  | CE Request:  Accept Response:  CE Reject Response:  All other Reject Responses: | Required if LDC is calculating the ESP portion of the bill  Optional  Return on response if it was provided on the request  Not Used |
| **NJ Use:** |  | Same as PA Note**:** For Rate Ready, since rate must include taxes, ESP should always set this to 100% tax exempt in NJ. | |
| **DE Use:** |  | Same as PA | |
| **MD Use:** |  | **Not used –** Maryland tax exemptions apply to a specific tax. Each tax has a separate AMT segment. The current applicable tax is State Sales tax (AMT\*F7) | |
| **Examples:** |  | AMT\*DP\*.75  AMT\*DP\*.7599 | |

**Data Element Summary**

**Ref. Data**

**Des. Element Name X12 Attributes**

|  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Must Use** | **AMT01** | **522** | **Amount Qualifier Code** | | | | **M** | **ID 1/3** | | |
|  | | | Code to qualify amount | | | | | | |
|  | | | | DP |  | Exemption | | |
|  | | | | | | Tax Exemption: This code is used when a portion of the provided service is exempt from taxation. Element AMT02 identifies the percentage of the service that is tax exempt. | | |
| **Must Use** | **AMT02** | **782** | **Monetary Amount** | | | | **M** | **R 1/18** | | |
|  | | | Monetary amount | | | | | | |
|  | | | For percentage values, the whole number "1" represents 100 percent; decimal numbers less than "1" represent percentages from 1 percent to 99.9999 percent. | | | | | | |

# Segment: AMT Monetary Amount (F7=Tax Exemption Percent-State Sales Tax)

**Position:** 060

**Loop:** LIN

**Level:** Detail

**Usage:** Optional

**Max Use:** >1

**Purpose:** To indicate the total monetary amount

**Syntax Notes:**

**Semantic Notes:**

**Comments:**

|  |  |  |
| --- | --- | --- |
| **PA Use:** |  | Not Used |
| **NJ Use:** |  | Not Used |
| **DE Use:** |  | Not Used |
| **MD Use:** |  | This field is used for the sending party to tell the receiving party the tax exemption amount that applies to the State Sales tax that should be entered into the receiving party's system in order to calculate a bill on the sender’s behalf. This is required only for rate-ready LDC Consolidated billing where the LDC has loaded the ESP rates into their system, the LDC calculates the ESP charges, and places the ESP charges on the LDC bill  A tax exemption certificate must be secured from the customer.  Maryland tax exemptions apply to a specific tax. Each tax has a separate AMT segment. The current applicable tax is State Sales tax (AMT\*F7) |
|  |  | CE Request: Required if LDC is calculating ESP portion of the Bill  Accept Response: Not Used  CE Reject Response: Return on response if it was provided on the request  All other Reject Responses: Not Used |
| **Examples:** |  | AMT\*F7\*.75  AMT\*F7\*.7599 |

**Data Element Summary**

**Ref. Data**

**Des. Element Name X12 Attributes**

|  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Must Use** | **AMT01** | **522** | **Amount Qualifier Code** | | | | **M** | **ID 1/3** | | |
|  | | | Code to qualify amount | | | | | | |
|  | | | | F7 |  | Sales Tax | | |
|  | | | | | | State Sales Tax Exemption: This code is used when a portion of the provided service is exempt from taxation. Element AMT02 identifies the percentage of the service that is tax exempt. | | |
| **Must Use** | **AMT02** | **782** | **Monetary Amount** | | | | **M** | **R 1/18** | | |
|  | | | Monetary amount | | | | | | |
|  | | | For percentage values, the whole number "1" represents 100 percent; decimal numbers less than "1" represent percentages from 1 percent to 99.9999 percent. | | | | | | |

# Segment: AMT Monetary Amount (5J=Load Management Device – Air Conditioner)

**Position:** 060

**Loop:** LIN

**Level:** Detail

**Usage:** Optional

**Max Use:** >1

**Purpose:** To indicate the total monetary amount

**Syntax Notes:**

**Semantic Notes:**

**Comments:**

|  |  |  |
| --- | --- | --- |
| **PA Use:** |  | Not Used |
| **NJ Use:** |  | Not Used |
| **DE Use:** |  | Same as Maryland |
| **MD Use:** |  | This field is used on an enrollment response to indicate this account has some air conditioners that are part of the load management program.  **Note:** If account does not have any air conditioners on the load management program, this segment will not be sent. |
|  |  | All Requests: Not Used  CE Accept Response: Required if there are any air conditioners on the account  that are part of the load management program  All other Accept Responses: Not Used  All Reject Responses: Not Used |
| **Examples:** |  | AMT\*5J\*2 (Indicates there are two air conditioners on account in load management program) |

**Data Element Summary**

**Ref. Data**

**Des. Element Name X12 Attributes**

|  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Must Use** | **AMT01** | **522** | **Amount Qualifier Code** | | | | **M** | **ID 1/3** | | |
|  | | | Code to qualify amount | | | | | | |
|  | | | | 5J |  | Equipment | | |
|  | | | | | | Air conditioners that are part of load management program | | |
| **Must Use** | **AMT02** | **782** | **Monetary Amount** | | | | **M** | **R 1/18** | | |
|  | | | Monetary amount | | | | | | |
|  | | | Whole number that indicates number of devices that are part of load management program. | | | | | | |

# Segment: AMT Monetary Amount (L0=Load Management Device – Water Heater)

**Position:** 060

**Loop:** LIN

**Level:** Detail

**Usage:** Optional

**Max Use:** >1

**Purpose:** To indicate the total monetary amount

**Syntax Notes:**

**Semantic Notes:**

**Comments:**

|  |  |  |
| --- | --- | --- |
| **PA Use:** |  | Not Used |
| **NJ Use:** |  | Not Used |
| **DE Use:** |  | Same as Maryland |
| **MD Use:** |  | This field is used on an enrollment response to indicate this account has some water heaters that are part of the load management program.  **Note:** If account does not have any water heaters on the load management program, this segment will not be sent. |
|  |  | All Requests: Not Used  CE Accept Response: Required if there are any water heaters on the account that  are part of the load management program  All other Accept Responses: Not Used  All Reject Responses: Not Used |
| **Examples:** |  | AMT\*L0\*1 (Indicates there is one water heater on account in load management program) |

**Data Element Summary**

**Ref. Data**

**Des. Element Name X12 Attributes**

|  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Must Use** | **AMT01** | **522** | **Amount Qualifier Code** | | | | **M** | **ID 1/3** | | |
|  | | | Code to qualify amount | | | | | | |
|  | | | | L0 |  | Liquid Assets | | |
|  | | | | | | Water Heaters that are part of load management program | | |
| **Must Use** | **AMT02** | **782** | **Monetary Amount** | | | | **M** | **R 1/18** | | |
|  | | | Monetary amount | | | | | | |
|  | | | Whole number that indicates number of devices that are part of load management program. | | | | | | |

# Segment: AMT Monetary Amount (KC=Peak Load Contribution

**Position:** 060

**Loop:** LIN

**Level:** Detail

**Usage:** Optional

**Max Use:** >1

**Purpose:** To indicate the total monetary amount

**Syntax Notes:**

**Semantic Notes:**

**Comments:**

|  |  |  |  |
| --- | --- | --- | --- |
| **Notes:** |  | Zero values may be sent if the LDC is, in fact, stating that there is no contribution for this customer’s account. | |
| **PA Use:** |  | Request:  CE Accept Response:  All other Accept Responses:  Reject Response: | Not Used  Required for PJM Participants only  Not Used  Not Used |
| **NJ Use:** |  | Request:  CE Accept Response:  All other Accept Responses:  Reject Response: | Not Used  Required  Not Used  Not Used |
|  |  | **NJ Note:** PSE&G sends Capacity Obligation to PJM. | |
| **DE Use:** |  | Same as NJ | |
| **MD Use:** |  | Same as PA | |
| **Example:** |  | AMT\*KC\*752 | |

**Data Element Summary**

**Ref. Data**

**Des. Element Name X12 Attributes**

|  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Must Use** | **AMT01** | **522** | **Amount Qualifier Code** | | | | **M** | **ID 1/3** | | |
|  | | | Code to qualify amount | | | | | | |
|  | | | | KC |  | Obligated | | |
|  | | | | | | Peak Load Contribution (a.k.a. Load Responsibility or PLC): Peak load contributions provided to PJM for Installed Capacity calculation (coincident with PJM peak). | | |
| **Must Use** | **AMT02** | **782** | **Monetary Amount** | | | | **M** | **R 1/18** | | |
|  | | | Monetary amount | | | | | | |
|  | | | Peak Load Contribution | | | | | | |

# Segment: AMT Monetary Amount (KZ=Network Service Peak Load)

**Position:** 060

**Loop:** LIN

**Level:** Detail

**Usage:** Optional

**Max Use:** >1

**Purpose:** To indicate the total monetary amount

**Syntax Notes:**

**Semantic Notes:**

**Comments:**

|  |  |  |  |
| --- | --- | --- | --- |
| **Notes:** |  | Zero values may be sent if the LDC is, in fact, stating that there is no contribution for this customer’s account. | |
| **PA Use:** |  | Request:  CE Accept Response:  All other Accept Responses:  Reject Response: | Not Used  Required for PJM Participants only  Not Used  Not Used |
| **NJ Use:** |  | Same as PA  **NJ Note:** PSE&G sends Capacity Obligation to PJM. | |
| **DE Use:** |  | Same as PA | |
| **MD Use:** |  | Same as PA | |
| **Example:** |  | AMT\*KZ\*752 | |

**Data Element Summary**

**Ref. Data**

**Des. Element Name X12 Attributes**

|  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Must Use** | **AMT01** | **522** | **Amount Qualifier Code** | | | | **M** | **ID 1/3** | | |
|  | | | Code to qualify amount | | | | | | |
|  | | | | KZ |  | Mortgager’s Monthly Obligations | | |
|  | | | | | | Network Service Peak Load (NSPL): Customer’s peak load contribution provided to PJM for the Transmission Service calculation (coincident with LDC peak). | | |
| **Must Use** | **AMT02** | **782** | **Monetary Amount** | | | | **M** | **R 1/18** | | |
|  | | | Monetary amount | | | | | | |
|  | | | Network Service Peak Load | | | | | | |

# Segment: AMT Monetary Amount (LD=Number of Months for Usage/Load)

**Position:** 060

**Loop:** LIN

**Level:** Detail

**Usage:** Optional

**Max Use:** >1

**Purpose:** To indicate the total monetary amount

**Syntax Notes:**

**Semantic Notes:**

**Comments:**

|  |  |  |  |
| --- | --- | --- | --- |
| **PA Use:** |  | Request:  CE Accept Response:  All other Accept Responses:  Reject Response: | Not Used  Required if there is history on the account, otherwise not used.  Not Used  Not Used |
| **NJ Use:** |  | Same as PA  **Note:** Not provided by PSE&G, provided by the other EDCs. | |
| **DE Use:** |  | Same as PA | |
| **MD Use:** |  | Same as PA | |
| **Example:** |  | AMT\*LD\*12 | |

**Data Element Summary**

**Ref. Data**

**Des. Element Name X12 Attributes**

|  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Must Use** | **AMT01** | **522** | **Amount Qualifier Code** | | | | **M** | **ID 1/3** | | |
|  | | | Code to qualify amount | | | | | | |
|  | | | | LD |  | Incremental | | |
|  | | | | | | Number of Months over which the Total kWh (AMT\*TA) and/or Peak Demand (AMT\*MA) are calculated. | | |
| **Must Use** | **AMT02** | **782** | **Monetary Amount** | | | | **M** | **R 1/18** | | |
|  | | | Monetary amount | | | | | | |
|  | | | Number of Months | | | | | | |

# Segment: AMT Monetary Amount (MA=Peak Demand)

**Position:** 060

**Loop:** LIN

**Level:** Detail

**Usage:** Optional

**Max Use:** >1

**Purpose:** To indicate the total monetary amount

**Syntax Notes:**

**Semantic Notes:**

**Comments:**

|  |  |  |  |
| --- | --- | --- | --- |
| **PA Use:** |  | Request:  CE Accept Response:  All other Accept Responses:  Reject Response: | Not Used  Required if the meter measures demand and there is history on the account, otherwise not used.  Not Used  Not Used |
| **NJ Use:** |  | Same as PA  **Note:** Not provided by PSE&G, provided by the other EDCs. | |
| **DE Use:** |  | Same as PA | |
| **MD Use:** |  | Same as PA | |
| **Example:** |  | AMT\*MA\*12345678.999 | |

**Data Element Summary**

**Ref. Data**

**Des. Element Name X12 Attributes**

|  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Must Use** | **AMT01** | **522** | **Amount Qualifier Code** | | | | **M** | **ID 1/3** | | |
|  | | | Code to qualify amount | | | | | | |
|  | | | | MA |  | Maximum Amount | | |
|  | | | | | | Peak Demand | | |
| **Must Use** | **AMT02** | **782** | **Monetary Amount** | | | | **M** | **R 1/18** | | |
|  | | | Monetary amount | | | | | | |
|  | | | Peak Demand | | | | | | |

# Segment: AMT Monetary Amount (PJ=Account Arrearage – Number of Days)

**Position:** 060

**Loop:** LIN

**Level:** Detail

**Usage:** Optional

**Max Use:** >1

**Purpose:** To indicate the total monetary amount

**Syntax Notes:**

**Semantic Notes:**

**Comments:**

|  |  |  |
| --- | --- | --- |
| **PA Use:** |  | Not Used |
| **NJ Use:** |  | This field must be used on an enrollment response when a customer’s account is 60 days or more in arrears with the utility. The utility may choose to also use this field on an enrollment response when a customer’s account is less than 60 days in arrears. Not sent if bill option is dual billing. |
|  |  | All Requests: Not Used  CE Accept Response: Required if customer is 60+ days in arrears and bill  option is utility consolidated billing.  All other Accept Responses: Not Used  All Reject Responses: Not Used |
| **DE Use:** |  | Not Used |
| **MD Use:** |  | Not Used |
| **Examples:** |  | AMT\*PJ\*87 |

**Data Element Summary**

**Ref. Data**

**Des. Element Name X12 Attributes**

|  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Must Use** | **AMT01** | **522** | **Amount Qualifier Code** | | | | **M** | **ID 1/3** | | |
|  | | | Code to qualify amount | | | | | | |
|  | | | | PJ |  | Past Due | | |
|  | | | | | |  | | |
| **Must Use** | **AMT02** | **782** | **Monetary Amount** | | | | **M** | **R 1/18** | | |
|  | | | Monetary amount | | | | | | |
|  | | | Whole number indicates number of days the customer account is in arrears. | | | | | | |

# Segment: AMT Monetary Amount (TA=Total kwh)

**Position:** 060

**Loop:** LIN

**Level:** Detail

**Usage:** Optional

**Max Use:** >1

**Purpose:** To indicate the total monetary amount

**Syntax Notes:**

**Semantic Notes:**

**Comments:**

|  |  |  |  |
| --- | --- | --- | --- |
| **PA Use:** |  | Request:  CE Accept Response:  All other Accept Responses:  Reject Response: | Not Used  Required if there is history on the account; otherwise, not used.  Not Used  Not Used |
| **NJ Use:** |  | Same as PA  **Note:** Not provided by PSE&G, provided by the other EDCs. | |
| **DE Use:** |  | Same as PA | |
| **MD Use:** |  | Same as PA | |
| **Example:** |  | AMT\*TA\*12345678.912 | |

**Data Element Summary**

**Ref. Data**

**Des. Element Name X12 Attributes**

|  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Must Use** | **AMT01** | **522** | **Amount Qualifier Code** | | | | **M** | **ID 1/3** | | |
|  | | | Code to qualify amount | | | | | | |
|  | | | | TA |  | Total Annual Sales | | |
|  | | | | | | Total kWh | | |
| **Must Use** | **AMT02** | **782** | **Monetary Amount** | | | | **M** | **R 1/18** | | |
|  | | | Monetary amount | | | | | | |
|  | | | Total kWh | | | | | | |

# Segment: NM1 Individual or Organizational Name

**Position:** 080

**Loop:** NM1

**Level:** Detail

**Usage:** Optional

**Max Use:** 1

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

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

**2** If NM111 is present, then NM110 is required.

**Semantic Notes:** **1** NM102 qualifies NM103.

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

|  |  |  |  |
| --- | --- | --- | --- |
| **Notes:** |  | This loop is used to convey meter level information. | |
| **PA Use:** |  | CE Request:  All other Requests:  CE Accept Response:  All other Accept Responses:  Reject Response: | Required if enrolling LDC Rate Ready (NM109 must be **ALL**)  Not Used  Required (NM109=**ALL** is not valid on the Response transaction)  Not Used  Return on the response if it was provided in the request. |
| **NJ Use:** |  | Same as PA. However, on a CE Request, this loop will only be used in JCP&L territory for Rate Ready. | |
| **DE Use:** |  | Same as PA | |
| **MD Use:** |  | Same as PA | |
| **Examples:** |  | NM1\*MQ\*3\*\*\*\*\*\*32\*1234568MG  NM1\*MQ\*3\*\*\*\*\*\*32\*UNMETERED  NM1\*MQ\*3\*\*\*\*\*\*32\*ALL | |

**Data Element Summary**

**Ref. Data**

**Des. Element Name X12 Attributes**

|  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Must Use** | **NM101** | **98** | **Entity Identifier Code** | | | | **M** | **ID 2/3** | | |
|  | | | Code identifying an organizational entity, a physical location, property or an individual | | | | | | |
|  | | | | MQ |  | Meter Location | | |
| **Must Use** | **NM102** | **1065** | **Entity Type Qualifier** | | | | **M** | **ID 1/1** | | |
|  | | | Code qualifying the type of entity | | | | | | |
|  | | | | 3 |  | Unknown | | |
| **Must Use** | **NM108** | **66** | **Identification Code Qualifier** | | | | **X** | **ID 1/2** | | |
|  | | | Code designating the system/method of code structure used for Identification Code (67) | | | | | | |
|  | | | | 32 |  | Assigned by Property Operator | | |
|  | | | | | | Meter Number | | |
| **Must Use** | **NM109** | **67** | **Identification Code** | | | | **X** | **AN 2/80** | | |
|  | | | Code identifying a party or other code | | | | | | |
|  | | | Meter Number  UNMETERED – for Unmetered Services on the Response transaction  ALL – for ALL meters on the Request transaction | | | | | | |

## Segment:REF Reference Identification (LF=Loss Factor)

**Position:** 130

**Loop:** NM1

**Level:** Detail

**Usage:** Optional

**Max Use:** >1

**Purpose:** To specify identifying information

**Syntax Notes:** **1** At least one of REF02 or REF03 is required.

**2** If either C04003 or C04004 is present, then the other is required.

**3** If either C04005 or C04006 is present, then the other is required.

**Semantic Notes:** **1** REF04 contains data relating to the value cited in REF02.

**Comments:**

|  |  |  |  |
| --- | --- | --- | --- |
| **PA Use:** |  | Request:  CE Accept Response:  All other Accept Responses:  Reject Response: | Not Used  Required for First Energy Companies; Optional for others  Not Used  Not Used |
| **NJ Use:** |  | Not Used | |
| **DE Use:** |  | Not Used | |
| **MD Use:** |  | Same as PA | |
| **Example:** |  | REF\*LF\*2 | |

**Data Element Summary**

**Ref. Data**

**Des. Element Name X12 Attributes**

|  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Must Use** | **REF01** | **128** | **Reference Identification Qualifier** | | | | **M** | **ID 2/3** | | |
|  | | | Code qualifying the Reference Identification | | | | | | |
|  | | | | LF |  | Load Planning Number | | |
|  | | | | | | Loss Factor | | |
| **Must Use** | **REF02** | **127** | **Reference Identification** | | | | **X** | **AN 1/30** | | |
|  | | | Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier | | | | | | |

## 

## Segment: REF Reference Identification (LO=Load Profile)

**Position:** 130

**Loop:** NM1

**Level:** Detail

**Usage:** Optional

**Max Use:** >1

**Purpose:** To specify identifying information

**Syntax Notes:** **1** At least one of REF02 or REF03 is required.

**2** If either C04003 or C04004 is present, then the other is required.

**3** If either C04005 or C04006 is present, then the other is required.

**Semantic Notes:** **1** REF04 contains data relating to the value cited in REF02.

**Comments:**

|  |  |  |  |
| --- | --- | --- | --- |
| **PA Use:** |  | Request:  CE Accept Response:  All other Accept Responses:  Reject Response: | Not Used  Required for each non-interval meter that is used for billing purposes. This segment must also be sent when account has UNMETERED services available for generation service. If a Load Profile does not exist for this customer, this segment will not be sent.  Not Used  Not Used |
| **NJ Use:** |  | Same as PA | |
| **DE Use:** |  | Same as PA | |
| **MD Use:** |  | Same as PA | |
| **Example:** |  | REF\*LO\*GS | |

**Data Element Summary**

**Ref. Data**

**Des. Element Name X12 Attributes**

|  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Must Use** | **REF01** | **128** | **Reference Identification Qualifier** | | | | **M** | **ID 2/3** | | |
|  | | | Code qualifying the Reference Identification | | | | | | |
|  | | | | LO |  | Load Planning Number | | |
|  | | | | | | Load profile | | |
| **Must Use** | **REF02** | **127** | **Reference Identification** | | | | **X** | **AN 1/30** | | |
|  | | | Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier | | | | | | |

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

**Position:** 130

**Loop:** NM1

**Level:** Detail

**Usage:** Optional

**Max Use:** >1

**Purpose:** To specify identifying information

**Syntax Notes:** **1** At least one of REF02 or REF03 is required.

**2** If either C04003 or C04004 is present, then the other is required.

**3** If either C04005 or C04006 is present, then the other is required.

**Semantic Notes:** **1** REF04 contains data relating to the value cited in REF02.

**Comments:**

|  |  |  |  |
| --- | --- | --- | --- |
| **PA Use:** |  | Request:  CE Accept Response:  All other Accept Responses:  Reject Response: | Not Used  Required for each meter that is used for billing purposes. This segment must also be sent when account has UNMETERED services available for generation service.  Not Used  Not Used |
| **NJ Use:** |  | Same as PA | |
| **DE Use:** |  | Same as PA | |
| **MD Use:** |  | Same as PA | |
| **Example:** |  | REF\*NH\*RS1 | |

**Data Element Summary**

**Ref. Data**

**Des. Element Name X12 Attributes**

|  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Must Use** | **REF01** | **128** | **Reference Identification Qualifier** | | | | **M** | **ID 2/3** | | |
|  | | | Code qualifying the Reference Identification | | | | | | |
|  | | | | NH |  | Rate Card Number | | |
|  | | | | | | Identifies a LDC rate class or tariff | | |
| **Must Use** | **REF02** | **127** | **Reference Identification** | | | | **X** | **AN 1/30** | | |
|  | | | Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier | | | | | | |

## Segment: REF Reference Identification (PR=LDC Rate Subclass)

**Position:** 130

**Loop:** NM1

**Level:** Detail

**Usage:** Optional

**Max Use:** >1

**Purpose:** To specify identifying information

**Syntax Notes:** **1** At least one of REF02 or REF03 is required.

**2** If either C04003 or C04004 is present, then the other is required.

**3** If either C04005 or C04006 is present, then the other is required.

**Semantic Notes:** **1** REF04 contains data relating to the value cited in REF02.

**Comments:**

|  |  |  |  |
| --- | --- | --- | --- |
| **PA Use:** |  | Request:  CE Accept Response:  All other Accept Responses:  Reject Response: | Not Used  Conditional: If maintained by utility, must be sent for each meter that is used for billing purposes. This segment must also be sent when account has UNMETERED services available for generation service.  Not Used  Not Used |
| **NJ Use:** |  | Same as PA | |
| **DE Use:** |  | Not Used | |
| **MD Use:** |  | Same as PA | |
| **Example:** |  | REF\*PR\*123 | |

**Data Element Summary**

**Ref. Data**

**Des. Element Name X12 Attributes**

|  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Must Use** | **REF01** | **128** | **Reference Identification Qualifier** | | | | **M** | **ID 2/3** | | |
|  | | | Code qualifying the Reference Identification | | | | | | |
|  | | | | PR |  | Price Quote Number | | |
|  | | | | | | LDC Rate Subclass – Used to provide further classification of a rate. | | |
| **Must Use** | **REF02** | **127** | **Reference Identification** | | | | **X** | **AN 1/30** | | |
|  | | | Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier | | | | | | |

## Segment: REF Reference Identification (RB=ESP Rate Code)

**Position:** 130

**Loop:** NM1

**Level:** Detail

**Usage:** Optional

**Max Use:** >1

**Purpose:** To specify identifying information

**Syntax Notes:** **1** At least one of REF02 or REF03 is required.

**2** If either C04003 or C04004 is present, then the other is required.

**3** If either C04005 or C04006 is present, then the other is required.

**Semantic Notes:** **1** REF04 contains data relating to the value cited in REF02.

**Comments:**

|  |  |  |  |
| --- | --- | --- | --- |
| **PA Use:** |  | Rate codes are established between the LDC and ESP prior to Enrollment. | |
|  |  | CE Request:  All other Requests:  CE Accept Response:  All other Accept Responses:  Reject Response: | Required if the LDC is calculating the ESP charges (Rate Ready)  Not Used  Required if the LDC is calculating the ESP charges (Rate Ready). This segment must also be sent when account has UNMETERED services available for generation service (Rate Ready).  Not Used  Return on response if it was provided on the request |
| **NJ Use:** |  | Same as PA. However, on a CE Request, this segment will only be used in JCP&L territory for Rate Ready. | |
| **DE Use:** |  | Same as PA | |
| **MD Use:** |  | Same as PA | |
| **Example:** |  | REF\*RB\*A29 | |

**Data Element Summary**

**Ref. Data**

**Des. Element Name X12 Attributes**

|  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Must Use** | **REF01** | **128** | **Reference Identification Qualifier** | | | | **M** | **ID 2/3** | | |
|  | | | Code qualifying the Reference Identification | | | | | | |
|  | | | | RB |  | Rate code number | | |
|  | | | | | | ESP Rate Code for the customer | | |
| **Must Use** | **REF02** | **127** | **Reference Identification** | | | | **X** | **AN 1/30** | | |
|  | | | Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier | | | | | | |

## Segment:REF Reference Identification (SV=Service Voltage)

**Position:** 130

**Loop:** NM1

**Level:** Detail

**Usage:** Optional

**Max Use:** >1

**Purpose:** To specify identifying information

**Syntax Notes:** **1** At least one of REF02 or REF03 is required.

**2** If either C04003 or C04004 is present, then the other is required.

**3** If either C04005 or C04006 is present, then the other is required.

**Semantic Notes:** **1** REF04 contains data relating to the value cited in REF02.

**Comments:**

|  |  |  |  |
| --- | --- | --- | --- |
| **PA Use:** |  | Request:  CE Accept Response:  All other Accept Responses:  Reject Response: | Not Used  Required for First Energy Companies; Optional for others  Not Used  Not Used |
| **NJ Use:** |  | Not Used | |
| **DE Use:** |  | Not Used | |
| **MD Use:** |  | Same as PA | |
| **Example:** |  | REF\*SV\*SECONDARY | |

**Data Element Summary**

**Ref. Data**

**Des. Element Name X12 Attributes**

|  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Must Use** | **REF01** | **128** | **Reference Identification Qualifier** | | | | **M** | **ID 2/3** | | |
|  | | | Code qualifying the Reference Identification | | | | | | |
|  | | | | SV |  | Service Charge Number | | |
|  | | | | | | Service Voltage | | |
| **Must Use** | **REF02** | **127** | **Reference Identification** | | | | **X** | **AN 1/30** | | |
|  | | | Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier | | | | | | |

PRIMARY

SECONDARY

Actual service voltage transmission value (Ex: 34.5kV)

## Segment: REF Reference Identification (TZ=Meter Cycle)

**Position:** 130

**Loop:** NM1

**Level:** Detail

**Usage:** Optional

**Max Use:** >1

**Purpose:** To specify identifying information

**Syntax Notes:** **1** At least one of REF02 or REF03 is required.

**2** If either C04003 or C04004 is present, then the other is required.

**3** If either C04005 or C04006 is present, then the other is required.

**Semantic Notes:** **1** REF04 contains data relating to the value cited in REF02.

**Comments:**

|  |  |  |  |
| --- | --- | --- | --- |
| **PA Use:** |  | Request:  CE Accept Response:  All other Accept Responses:  Reject Response: | Not Used  Required for each meter that is used for billing purposes. This segment is optional in the NM1 Loop for UNMETERED services.  Not Used  Not Used |
| **NJ Use:** |  | Same as PA | |
| **DE Use:** |  | Same as PA | |
| **MD Use:** |  | Same as PA | |
| **Example:** |  | REF\*TZ\*15 | |

**Data Element Summary**

**Ref. Data**

**Des. Element Name X12 Attributes**

|  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Must Use** | **REF01** | **128** | **Reference Identification Qualifier** | | | | **M** | **ID 2/3** | | |
|  | | | Code qualifying the Reference Identification | | | | | | |
|  | | | | TZ |  | Total Cycle Number | | |
|  | | | | | | LDC Meter Cycle. Cycle number when the meter will be read. | | |
| **Must Use** | **REF02** | **127** | **Reference Identification** | | | | **X** | **AN 1/30** | | |
|  | | | Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier | | | | | | |

## Segment: REF Reference Identification (MT=Meter Type)

**Position:** 130

**Loop:** NM1

**Level:** Detail

**Usage:** Optional

**Max Use:** >1

**Purpose:** To specify identifying information

**Syntax Notes:** **1** At least one of REF02 or REF03 is required.

**2** If either C04003 or C04004 is present, then the other is required.

**3** If either C04005 or C04006 is present, then the other is required.

**Semantic Notes:** **1** REF04 contains data relating to the value cited in REF02.

**Comments:**

|  |  |  |  |
| --- | --- | --- | --- |
| **PA Use:** |  | There will only be one REF\*MT segment for each NM1 loop.  If there are multiple meter types on this meter, only one REF\*MT will be sent. It will contain the code **COMBO**. The specific meter type will be identified in the REF03 field in subsequent REF segments for this meter (i.e. REF\*4P, REF\*IX, REF\*TU). | |
|  |  | Request:  CE Accept Response:  All other Accept Responses:  Reject Response: | Not Used  Required for each meter that is used for billing purposes. This segment will not be provided in the NM1 loop for UNMETERED services.  Not Used  Not Used |
| **NJ Use:** |  | Same as PA | |
| **DE Use:** |  | Same as PA | |
| **MD Use:** |  | Same as PA | |
| **Example:** |  | REF\*MT\*KHMON  REF\*MT\*COMBO  REF\*MT\*COMBO\*SMART  REF\*MT\*COMBO\*I | |

**Data Element Summary**

**Ref. Data**

**Des. Element Name X12 Attributes**

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Must Use** | **REF01** | | | | | | **128** | | | **Reference Identification Qualifier** | | | | | | | | | | | **M** | **ID 2/3** | | | | |
|  | | | | | | | | | | Code qualifying the Reference Identification | | | | | | | | | | | | | |
|  | | | | | | | | | | | MT | |  | Meter Ticket Number | | | | | | | | | | | | | |
|  | | | | | | | | | | | | | | Meter Type | | | | | | | | |
| **Must Use** | **REF02** | | | | | | **127** | | | **Reference Identification** | | | | | | | | | | | **X** | **AN 1/30** | | | | |
|  | | | | | | | | | | Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier | | | | | | | | | | | | | | | | | |
|  | | | | | | | | | | When REF01 is MT, the meter type is expressed as a five-character field. The first two characters are the type of consumption the last three characters are the metering interval. “COMBO” is used for a meter that records more than one measurement. Valid values can be a combination of the following values: | | | | | | | | | | | | | | | | | |
|  | | Type of Consumption | | | | | | | | | | | | |  | Metering Interval | | | | | | |
|  | | | | K1 | Kilowatt Demand | | | | | | | | | |  | | | Nnn | Number of minutes from 001 to 999 | | | | | | | | | |
|  | | | | K2 | Kilovolt Amperes Reactive Demand | | | | | | | | | |  | | | ANN | Annual | | | | | | | | | |
|  | | | | K3 | Kilovolt Amperes Reactive Hour | | | | | | | | | |  | | | BIA | Bi-annual | | | | | | | | | |
|  | | | | K4 | Kilovolt Amperes | | | | | | | | | |  | | | BIM | Bi-monthly | | | | | | | | | |
|  | | | | K5 | Kilovolt Amperes Reactive | | | | | | | | | |  | | | DAY | Daily | | | | | | | | | |
|  | | | | KH | Kilowatt Hour | | | | | | | | | |  | | | MON | Monthly | | | | | | | | | |
|  | | | | T9 | Thousand Kilowatt Hours | | | | | | | | | |  | | | QTR | Quarterly | | | | | | | | | |
|  | | | | | | | |  | | | |  | |  | | |  | | |  | | |
|  | | | For Example: | | | | | | | | | | | | | | | | | | | | |
|  |  | | | KHMON | | | | | | Kilowatt Hours Per Month | | | | | | | | | | |  |  | | | | |
|  |  | | | K1015 | | | | | | Kilowatt Demand per 15 minute interval | | | | | | | | | | |  |  | | | | |
|  | |  | | | | | | | | | | | | |  |  | | | | | | |
|  | | Other Valid Codes | | | | | | | | | | | | |  |  | | | | | | |
|  | | | | COMBO | | | | | This code is used to indicate that the meter has multiple measurements, e.g., one meter that measures both kWh and Demand. | | | | | | | | | | | | | | | | |
| **Optional** | **REF03** | | | | | **352** | | | | **Description** | | | | | | | | | | | **X** | **AN 1/80** | | |
|  | | | | | | | | | | A free-form description to clarify the related data elements and their content | | | | | | | | | | | | | | |
|  | | | | | | | | | | Atlantic City Electric, Delmarva DE, PEPCO MD & Delmarva MD Use: will send ‘SMART’ in the REF03 to denote meter is an AMI/Smart meter.  PECO PA Use: When REF01 is MT, valid values for REF03 are:  I – Interval data available  M – Interval data NOT available | | | | | | | | | | | | | |

## 

## Segment: REF Reference Identification (4P=Meter Multiplier)

**Position:** 130

**Loop:** NM1

**Level:** Detail

**Usage:** Optional

**Max Use:** >1

**Purpose:** To specify identifying information

**Syntax Notes:** **1** At least one of REF02 or REF03 is required.

**2** If either C04003 or C04004 is present, then the other is required.

**3** If either C04005 or C04006 is present, then the other is required.

**Semantic Notes:** **1** REF04 contains data relating to the value cited in REF02.

**Comments:**

|  |  |  |  |
| --- | --- | --- | --- |
| **PA Use:** |  | There will be one REF\*4P segment for each Meter Type. This means that there may be more than one REF\*4P segment per meter. For instance, when meter type is “COMBO”, there may be a REF\*4P to indicate the meter constant for the demand (example: REF\*4P\*1200\*K1015) and a REF\*4P to indicate the meter constant for the kWh (example: REF\*4P\*2400\*KH015). | |
|  |  | Request:  CE Accept Response:  All other Accept Responses:  Reject Response: | Not Used  Required for each meter type for each meter that is used for billing purposes. This segment will **not** be provided in the NM1 loop for UNMETERED services.  Not Used  Not Used |
| **NJ Use:** |  | Same as PA | |
| **DE Use:** |  | Same as PA | |
| **MD Use:** |  | Same as PA | |
| **Example:** |  | REF\*4P\*10\*KHMON  REF\*4P\*100\*K1MON | |

**Data Element Summary**

**Ref. Data**

**Des. Element Name X12 Attributes**

|  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Must Use** | **REF01** | | **128** | **Reference Identification Qualifier** | | | | **M** | **ID 2/3** | | |
|  | | | | Code qualifying the Reference Identification | | | | | | |
|  | | | | | 4P |  | Affiliation Number | | |
|  | | | | | | | Meter Constant (Meter Multiplier)  (Ending Reading – Beginning Reading) \* Meter Multiplier = Billed Usage | | |
| **Must Use** | **REF02** | | **127** | **Reference Identification** | | | | **X** | **AN 1/30** | | |
|  | | | | Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier | | | | | | |
| **Must Use** | **REF03** | **352** | | **Description** | | | | **X** | **AN 1/80** | | |
|  | | | | A free-form description to clarify the related data elements and their content | | | | | | |
|  | | | | Meter Type (see REF\*MT for valid codes). “COMBO” is not a valid code for this element. | | | | | | |

## Segment: REF Reference Identification (IX=Number of Dials/Digits)

**Position:** 130

**Loop:** NM1

**Level:** Detail

**Usage:** Optional

**Max Use:** >1

**Purpose:** To specify identifying information

**Syntax Notes:** **1** At least one of REF02 or REF03 is required.

**2** If either C04003 or C04004 is present, then the other is required.

**3** If either C04005 or C04006 is present, then the other is required.

**Semantic Notes:** **1** REF04 contains data relating to the value cited in REF02.

**Comments:**

|  |  |  |  |
| --- | --- | --- | --- |
| **PA Use:** |  | There will be one REF\*IX segment for each Meter Type. This means that there may be more than one REF\*IX segment per meter. For instance, when meter type is “COMBO”, there may be a REF\*IX to indicate the dials for the demand (example: REF\*IX\*5.1\*K1015) and a REF\*IX to indicate the dials for the kWh (example: REF\*IX\*6.0\*KH015). | |
|  |  | Request:  CE Accept Response:  All other Accept Responses:  Reject Response: | Not Used  Required for each meter type for each meter that is used for billing purposes that has dials. This segment will **not** be provided in the NM1 loop for UNMETERED services.  Not Used  Not Used |
| **NJ Use:** |  | Same as PA | |
| **DE Use:** |  | Same as PA | |
| **MD Use:** |  | Same as PA | |
| **Examples:** |  | REF\*IX\*6.0\*KHMON  REF\*IX\*5.1\*K1MON  REF\*IX\*4.2\*K1015 | |

**Data Element Summary**

**Ref. Data**

**Des. Element Name X12 Attributes**

|  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Must Use** | **REF01** | | **128** | **Reference Identification Qualifier** | | | | **M** | **ID 2/3** | | |
|  | | | | Code qualifying the Reference Identification | | | | | | |
|  | | | | | IX |  | Item Number | | |
|  | | | | | | | Number of Dials on the Meter displayed as the number of dials to the left of the decimal, a decimal point, and the number of dials to the right of the decimal. | | |
| **Must Use** | **REF02** | | **127** | **Reference Identification** | | | | **X** | **AN 1/30** | | |
|  | | | | Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier | | | | | | |
| **Must Use** | **REF03** | **352** | | **Description** | | | | **X** | **AN 1/80** | | |
|  | | | | A free-form description to clarify the related data elements and their content | | | | | | |
|  | | | | Meter Type (see REF\*MT for valid codes). “COMBO” is not a valid code for this element. | | | | | | |

|  |  |  |  |
| --- | --- | --- | --- |
| # Dials | Positions to left of decimal | Positions to right of decimal | X12 Example |
| 6 | 6 | 0 | REF\*IX\*6.0 |
| 6 | 5 | 1 | REF\*IX\*5.1 |
| 6 | 4 | 2 | REF\*IX\*4.2 |

## Segment: REF Reference Identification (TU=Type of Metering)

**Position:** 130

**Loop:** NM1

**Level:** Detail

**Usage:** Optional

**Max Use:** >1

**Purpose:** To specify identifying information

**Syntax Notes:** **1** At least one of REF02 or REF03 is required.

**2** If either C04003 or C04004 is present, then the other is required.

**3** If either C04005 or C04006 is present, then the other is required.

**Semantic Notes:** **1** REF04 contains data relating to the value cited in REF02.

**Comments:**

|  |  |  |  |
| --- | --- | --- | --- |
| **PA Use:** |  | There will be one REF\*TU segment for each Time Of Use reading (for each meter type for each meter) that will be provided on the 867. | |
|  |  | Request:  CE Accept Response:  All other Accept Responses:  Reject Response: | Not Used  Required for each meter type for each non-interval meter that is used for billing purposes. This segment is provided for UNMETERED services and reflects the type of usage that is reported on the 867.  Not Used  Not Used |
| **NJ Use:** |  | Same as PA | |
| **DE Use:** |  | Same as PA | |
| **MD Use:** |  | Same as PA | |
| **Example:** |  | REF\*TU\*41\*K1MON  REF\*TU\*42\*K1MON Multiple TU’s will usually be sent on each 814!!!  REF\*TU\*51\*K1MON | |

**Data Element Summary**

**Ref. Data**

**Des. Element Name X12 Attributes**

|  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Must Use** | **REF01** | | **128** | **Reference Identification Qualifier** | | | | **M** | **ID 2/3** | | |
|  | | | | Code qualifying the Reference Identification | | | | | | |
|  | | | | | TU |  | Trial Location Code | | |
|  | | | | | | | Used to indicate the type of metering information that will be sent on the 867 transaction. | | |
| **Must Use** | **REF02** | | **127** | **Reference Identification** | | | | **X** | **AN 1/30** | | |
|  | | | | Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier | | | | | | |
|  | | | | | 41 |  | Off Peak | | |
|  | | | | | 42 |  | On Peak | | |
|  | | | | | 43 |  | Intermediate | | |
|  | | | | | 51 |  | Totalizer | | |
| **Must Use** | **REF03** | **352** | | **Description** | | | | **X** | **AN 1/80** | | |
|  | | | | A free-form description to clarify the related data elements and their content | | | | | | |
|  | | | | Meter Type (see REF\*MT for valid codes). “COMBO” is not a valid code for this element. | | | | | | |

# Segment: SE Transaction Set Trailer

**Position:** 150

**Loop:**

**Level:** Detail

**Usage:** Mandatory

**Max Use:** 1

**Purpose:** To indicate the end of the transaction set and provide the count of the transmitted segments (including the beginning (ST) and ending (SE) segments)

**Syntax Notes:**

**Semantic Notes:**

**Comments:** **1** SE is the last segment of each transaction set.

|  |  |  |
| --- | --- | --- |
| **PA Use:** |  | Required |
| **NJ Use:** |  | Required |
| **DE Use:** |  | Required |
| **MD Use:** |  | Same as PA |
| **Example:** |  | SE\*28\*000000001 |

**Data Element Summary**

**Ref. Data**

**Des. Element Name X12 Attributes**

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

# 814 Enrollment Examples

## Example: Enrollment Request for Generation Services

**Rate Ready:** Request is for Generation services only

|  |  |
| --- | --- |
| BGN\*13\*199904011956531\*19990401 | Request, unique transaction identification number, transaction creation date |
| N1\*8S\*LDC COMPANY\*1\*007909411\*\*40 | LDC Name, LDC DUNS information, receiver |
| N1\*SJ\*ESP COMPANY\*9\*007909422ESP1\*\*41 | ESP Name, ESP DUNS information, submitter |
| N1\*8R\*CUSTOMER NAME | Customer Name |
| LIN\*CE1999123100002\*SH\*EL\*SH\*CE | Unique transaction reference number, enrollment request for electric generation services |
| ASI\*7\*021 | Request for addition |
| REF\*11\*2348400586 | ESP Account Number |
| REF\*12\*293839200 | LDC Account Number |
| REF\*BLT\*LDC | LDC consolidates the LDC and ESP charges |
| REF\*PC\*LDC | LDC calculates ESP charges (Rate Ready) |
| DTM\*129\*19990401\*1430\*ET | Date/time/time zone customer agreed to obtain service from the Service Provider |
| AMT\*7N\*1 | Participating interest: |
| AMT\*DP\*1 | Tax Exemption Percent |
| NM1\*MQ\*3\*\*\*\*\*\*32\*ALL | Beginning of Meter Loop for Rate Ready |
| REF\*RB\*0300 | ESP Rate code |

**Maryland Rate Ready:** Request is for Generation services only

|  |  |
| --- | --- |
| BGN\*13\*199904011956532\*19990401 | Request, unique transaction identification number, transaction creation date |
| N1\*8S\*LDC COMPANY\*1\*007909411\*\*40 | LDC Name, LDC DUNS information, receiver |
| N1\*SJ\*ESP COMPANY\*9\*007909422ESP1\*\*41 | ESP Name, ESP DUNS information, submitter |
| N1\*8R\*CUSTOMER NAME | Customer Name |
| LIN\*CE1999123100002\*SH\*EL\*SH\*CE | Unique transaction reference number, enrollment request for electric generation services |
| ASI\*7\*021 | Request for addition |
| REF\*11\*2348400586 | ESP Account Number |
| REF\*12\*293839200 | LDC Account Number |
| REF\*BLT\*LDC | LDC consolidates the LDC and ESP charges |
| REF\*PC\*LDC | LDC calculates ESP charges (Rate Ready) |
| DTM\*129\*19990401\*1430\*ET | Date/time/time zone customer agreed to obtain service from the Service Provider |
| AMT\*7N\*1 | Participating interest: |
| AMT\*F7\*1 | State Sales Tax Exemption Percent |
| NM1\*MQ\*3\*\*\*\*\*\*32\*ALL | Beginning of Meter Loop for Rate Ready |
| REF\*RB\*0300 | ESP Rate code |

**Bill Ready:** Request is for Generation services only

|  |  |
| --- | --- |
| BGN\*13\*199904011956531\*19990401 | Request, unique transaction identification number, transaction creation date |
| N1\*8S\*LDC COMPANY\*1\*007909411\*\*40 | LDC Name, LDC DUNS information, receiver |
| N1\*SJ\*ESP COMPANY\*9\*007909422ESP1\*\*41 | ESP Name, ESP DUNS information, submitter |
| N1\*8R\*CUSTOMER NAME | Customer Name |
| LIN\*CE1999123100002\*SH\*EL\*SH\*CE | Unique transaction reference number, enrollment request for electric generation services |
| ASI\*7\*021 | Request for addition |
| REF\*11\*2348400586 | ESP Account Number |
| REF\*12\*293839200 | LDC Account Number |
| REF\*BLT\*LDC | LDC consolidates the LDC and ESP charges |
| REF\*PC\*DUAL | Each party calculates its own charges (Bill Ready) |
| DTM\*129\*19990401\*1430\*ET | Date/time/time zone customer agreed to obtain service from the Service Provider |
| AMT\*7N\*1 | Participating interest: |

**Dual Billing:** Request is for Generation services only

|  |  |
| --- | --- |
| BGN\*13\*199904011956566\*19990401 | Request, unique transaction identification number, transaction creation date |
| N1\*8S\*LDC COMPANY\*1\*007909411\*\*40 | LDC Name, LDC DUNS information, receiver |
| N1\*SJ\*ESP COMPANY\*9\*007909422ESP1\*\*41 | ESP Name, ESP DUNS information, submitter |
| N1\*8R\*CUSTOMER NAME | Customer Name |
| LIN\*CE1999123100002\*SH\*EL\*SH\*CE | Unique transaction reference number, enrollment request for electric generation services |
| ASI\*7\*021 | Request for addition |
| REF\*11\*2348400590 | ESP Account Number |
| REF\*12\*293839201 | LDC Account Number |
| REF\*BLT\*DUAL | Each party renders their own bill |
| REF\*PC\*DUAL | Each party calculates their own charges) |
| DTM\*129\*19990401\*1430\*ET | Date/time/time zone customer agreed to obtain service from the Service Provider |
| AMT\*7N\*1 | Participating interest |

## Example: CE Enrollment Response – Enrollment Accepted

**Rate Ready:** Request is for Generation services only. Account has 2 meters. Meter 123857G measures kWh and kW (on and off peak), Meter 218737S measures kWh (totalized only).

|  |  |
| --- | --- |
| BGN\*11\*199904020830531\*19990402\*\*\*199904011956531 | Response, unique transaction identification number, transaction creation date and original request transaction identification number |
| N1\*8S\*LDC COMPANY\*1\*007909411\*\*41 | LDC Name, LDC DUNS information, submitter |
| N1\*SJ\*ESP COMPANY\*9\*007909422ESP1\*\*40 | ESP Name, ESP DUNS information, receiver |
| N1\*8R\*CUSTOMER NAME\*92\*1210 | Customer Name and reference number |
| N3\*123 N MAIN ST\*FLR 13 | Service address |
| N4\*ANYTOWN\*PA\*18111\*\*CO\*LEHIGH | City/State/Zip and County for Service Address. |
| PER\*IC\*MARY JONES\*TE\*8005559876 | Customer Contact name and telephone number |
| N1\*BT\*ACCOUNTS PAYABLE DEPT | Bill to party |
| N3\*100 WEST AVENUE | Bill to address |
| N4\*ANYTOWN\*PA\*18111 | Bill to City/State/Zip |
| PER\*IC\*KELLY WEST\*TE\*8005559876 | Bill To Contact name and telephone number |
| N1\*PK\*FRANK SMITH | Party to Receive Copy Name |
| N3\*459 AVENUE B | Party to Receive Copy Address |
| N4\*ANYTOWN\*PA\*18111 | Party to Receive Copy City/State/Zip |
| PER\*IC\*FRANK SMITH\*TE\*8005559876 | Party to Receive Copy Name |
| N1\*2C\*CAROL WRIGHT | Co-Participant Name |
| N3\*23948 MAIN STREET | Co-Participant Address |
| N4\*ANYTOWN\*PA\*18111 | Co-Participant City/State/Zip |
| PER\*IC\*CAROL WRIGHT\*TE\*8005559876 | Co-Participant Name and telephone number |
| LIN\*CE1999123100002\*SH\*EL\*SH\*CE | Unique transaction reference number, enrollment request for electric generation services |
| ASI\*WQ\*021 | Accept Enrollment request |
| REF\*11\*2348400586 | ESP Account Number |
| REF\*12\*293839200 | LDC Account Number |
| REF\*BF\*18 | LDC Billing Cycle |
| REF\*BLT\*LDC | LDC consolidates the LDC and ESP charges |
| REF\*PC\*LDC | LDC calculates ESP charges |
| REF\*NR\*N | Budget Billing Status |
| REF\*SPL\*\*PJM192478939901287748 | Indicates PJM LMP Bus Number |
| DTM\*129\*19990401\*1430\*ET | Date/time/time zone customer agreed to obtain service from the Service Provider |
| DTM\*150\*19990425 | Estimated Start date |
| AMT\*7N\*1 | Participating interest |
| AMT\*QY\*1 | Eligible Load Percentage |
| AMT\*DP\*1 | Tax Exemption Percent |
| AMT\*5J\*2 | Air conditioners in load cycling program |
| AMT\*L0\*1 | Water Heaters in load cycling program |
| AMT\*KC\*12.8 | Peak Load Capacity |
| AMT\*KZ\*14.1 | Network Service Peak Load |
| AMT\*LD\*12 | Number of months over which the total kWh and/or Peak Demand are calculated |
| AMT\*MA\*50 | Peak Demand |
| AMT\*TA\*125500 | Total kWh |
| NM1\*MQ\*3\*\*\*\*\*\*32\*123857G | Meter number |
| REF\*LO\*GS | LDC Load Profile |
| REF\*NH\*GS1 | LDC Rate class |
| REF\*PR\*123 | LDC Rate Subclass |
| REF\*RB\*0300 | ESP Rate Code |
| REF\*TZ\*18 | LDC Meter Cycle |
| REF\*MT\*COMBO | Meter Type |
| REF\*4P\*1\*KHMON | Meter constant on the kWh register |
| REF\*IX\*6.1\*KHMON | Number of dials/digits |
| REF\*TU\*41\*KHMON | Off Peak metering information sent on the 867 |
| REF\*TU\*42\*KHMON | On Peak metering information sent on the 867 |
| REF\*4P\*1\*K1MON | Meter constant on the demand (kW) register |
| REF\*IX\*5.0\*K1MON | Number of dials/digits |
| REF\*TU\*41\*K1MON | Off Peak metering information sent on the 867 |
| REF\*TU\*42\*K1MON | On Peak metering information sent on the 867 |
| NM1\*MQ\*3\*\*\*\*\*\*32\*218737S | Meter Number |
| REF\*LO\*GS | LDC Load Profile |
| REF\*NH\*GS1 | LDC Rate class |
| REF\*PR\*123 | LDC Rate Subclass |
| REF\*RB\*0300 | ESP Rate Code |
| REF\*TZ\*18 | LDC Meter Cycle |
| REF\*MT\*KHMON | Meter Type |
| REF\*4P\*1\*KHMON | Meter Constant |
| REF\*IX\*5.0\*KHMON | Number of dials/digits |
| REF\*TU\*51\*KHMON | Totalized metering information sent on the 867 |

**Bill Ready:** Response to request is for Generation services only. Account has 2 meters. Meter 123857G measures kWh and kW (on and off peak), Meter 218737S measures kWh (totalized only).

|  |  |
| --- | --- |
| BGN\*11\*199904020830531\*19990402\*\*\*199904011956531 | Response, unique transaction identification number, transaction creation date and original request transaction identification number |
| N1\*8S\*LDC COMPANY\*1\*007909411\*\*41 | LDC Name, LDC DUNS information, submitter |
| N1\*SJ\*ESP COMPANY\*9\*007909422ESP1\*\*40 | ESP Name, ESP DUNS information, receiver |
| N1\*8R\*CUSTOMER NAME\*92\*1210 | Customer Name and reference number |
| N3\*123 N MAIN ST\*FLR 13 | Service address |
| N4\*ANYTOWN\*PA\*18111 | City/State/Zip for Service Address. |
| PER\*IC\*MARY JONES\*TE\*8005559876 | Customer Contact name and telephone number |
| N1\*BT\*ACCOUNTS PAYABLE DEPT | Bill to party |
| N3\*100 WEST AVENUE | Bill to address |
| N4\*ANYTOWN\*PA\*18111 | Bill to City/State/Zip |
| PER\*IC\*KELLY WEST\*TE\*8005559876 | Bill To Contact name and telephone number |
| N1\*PK\*FRANK SMITH | Party to Receive Copy Name |
| N3\*459 AVENUE B | Party to Receive Copy Address |
| N4\*ANYTOWN\*PA\*18111 | Party to Receive Copy City/State/Zip |
| PER\*IC\*FRANK SMITH\*TE\*8005559876 | Party to Receive Copy Name |
| N1\*2C\*CAROL WRIGHT | Co-Participant Name |
| N3\*23948 MAIN STREET | Co-Participant Address |
| N4\*ANYTOWN\*PA\*18111 | Co-Participant City/State/Zip |
| PER\*IC\*CAROL WRIGHT\*TE\*8005559876 | Co-Participant Name and telephone number |
| LIN\*CE1999123100002\*SH\*EL\*SH\*CE | Unique transaction reference number, enrollment request for electric generation services |
| ASI\*WQ\*021 | Accept Enrollment request |
| REF\*11\*2348400586 | ESP Account Number |
| REF\*12\*293839200 | LDC Account Number |
| REF\*4N\*N | LDC Payment Arrangement Status |
| REF\*BF\*18 | LDC Billing Cycle |
| REF\*BLT\*LDC | LDC consolidates the LDC and ESP charges |
| REF\*PC\*DUAL | Each party calculates its own charges (Bill Ready) |
| REF\*NR\*N | Budget Billing Status |
| REF\*SPL\*\*PJM192478939901287748 | Indicates PJM LMP Bus Number |
| DTM\*129\*19990401\*1430\*ET | Date/time/time zone customer agreed to obtain service from the Service Provider |
| DTM\*150\*19990425 | Estimated Start date |
| AMT\*7N\*1 | Participating interest |
| AMT\*QY\*1 | Eligible Load Percentage |
| AMT\*5J\*2 | Air conditioners in load cycling program |
| AMT\*L0\*1 | Water Heaters in load cycling program |
| AMT\*KC\*12.8 | Peak Load Capacity |
| AMT\*KZ\*14.1 | Network Service Peak Load |
| AMT\*LD\*12 | Number of months over which the total kWh and/or Peak Demand are calculated |
| AMT\*MA\*50 | Peak Demand |
| AMT\*TA\*125500 | Total kWh |
| NM1\*MQ\*3\*\*\*\*\*\*32\*123857G | Meter number |
| REF\*LO\*GS | LDC Load Profile |
| REF\*NH\*GS1 | LDC Rate class |
| REF\*PR\*123 | LDC Rate Subclass |
| REF\*TZ\*18 | LDC Meter Cycle |
| REF\*MT\*COMBO | Meter Type |
| REF\*4P\*1\*KHMON | Meter constant on the kWh register |
| REF\*IX\*6.1\*KHMON | Number of dials/digits |
| REF\*TU\*41\*KHMON | Off Peak metering information sent on the 867 |
| REF\*TU\*42\*KHMON | On Peak metering information sent on the 867 |
| REF\*4P\*1\*K1MON | Meter constant on the demand (kW) register |
| REF\*IX\*5.0\*K1MON | Number of dials/digits |
| REF\*TU\*41\*K1MON | Off Peak metering information sent on the 867 |
| REF\*TU\*42\*K1MON | On Peak metering information sent on the 867 |
| NM1\*MQ\*3\*\*\*\*\*\*32\*218737S | Meter Number |
| REF\*LO\*GS | LDC Load Profile |
| REF\*NH\*GS1 | LDC Rate class |
| REF\*PR\*123 | LDC Rate Subclass |
| REF\*TZ\*18 | LDC Meter Cycle |
| REF\*MT\*KHMON | Meter Type |
| REF\*4P\*1\*KHMON | Meter Constant |
| REF\*IX\*5.0\*KHMON | Number of dials/digits |
| REF\*TU\*51\*KHMON | Totalized metering information sent on the 867 |

**Dual Billing:** Request is for Generation services only. Account has 1 meter and unmetered services. Meter 23487992G measures kWh (totalized only).

|  |  |
| --- | --- |
| BGN\*11\*199904020830561\*19990402\*\*\*199904011956566 | Response, unique transaction identification number, transaction creation date |
| N1\*8S\*LDC COMPANY\*1\*007909411\*\*41 | LDC Name, LDC DUNS information, submitter |
| N1\*SJ\*ESP COMPANY\*9\*007909422ESP1\*\*40 | ESP Name, ESP DUNS information, receiver |
| N1\*8R\*CUSTOMER NAME\*92\*1210 | Customer Name |
| N3\*123 N MAIN ST\*FLR 13 | Service address |
| N4\*ANYTOWN\*PA\*18111\*\*CO\*LEHIGH | City/State/Zip for Service Address. Also County for service address where required to send |
| PER\*IC\*MARY JONES\*TE\*8005559876 | Customer Contact name and telephone number |
| N1\*BT\*ACCOUNTS PAYABLE DEPT | Bill to party |
| N3\*100 WEST AVENUE | Bill to address |
| N4\*ANYTOWN\*PA\*18111 | Bill to City/State/Zip |
| PER\*IC\*KELLY WEST\*TE\*8005559876 | Bill To Contact name and telephone number |
| N1\*PK\*FRANK SMITH | Party to Receive Copy Name |
| N3\*459 AVENUE B | Party to Receive Copy Address |
| N4\*ANYTOWN\*PA\*18111 | Party to Receive Copy City/State/Zip |
| PER\*IC\*FRANK SMITH\*TE\*8005559876 | Party to Receive Copy Name |
| N1\*2C\*CAROL WRIGHT | Co-Participant Name |
| N3\*23948 MAIN STREET | Co-Participant Address |
| N4\*ANYTOWN\*PA\*18111 | Co-Participant City/State/Zip |
| PER\*IC\*CAROL WRIGHT\*TE\*8005559876 | Co-Participant Contact Name and telephone number |
| LIN\*CE1999123100002\*SH\*EL\*SH\*CE | Unique transaction reference number, enrollment request for electric generation services |
| ASI\*WQ\*021 | Accept Enrollment request |
| REF\*11\*2348400590 | ESP Account Number |
| REF\*12\*293839201 | LDC Account Number |
| REF\*4N\*N | LDC Payment Arrangement Status |
| REF\*BF\*18 | LDC Billing Cycle |
| REF\*BLT\*DUAL | Each party renders their own bill |
| REF\*PC\*DUAL | Each party calculates their own charges) |
| REF\*NR\*N | Budget Billing Status |
| REF\*SPL\*\*PJM192478939901287748 | Indicates PJM LMP Bus Number |
| DTM\*129\*19990401\*1430\*ET | Date/time/time zone customer agreed to obtain service from the Service Provider |
| DTM\*150\*19990425 | Estimated Start date |
| AMT\*7N\*1 | Participating interest |
| AMT\*QY\*1 | Eligible Load Percentage |
| AMT\*5J\*2 | Air conditioners in load cycling program |
| AMT\*L0\*1 | Water Heaters in load cycling program |
| AMT\*KC\*12.8 | Peak Load Capacity |
| AMT\*KZ\*14.1 | Network Service Peak Load |
| AMT\*LD\*12 | Number of months over which the total kWh and/or Peak Demand are calculated |
| AMT\*TA\*8000 | Total kWh |
| NM1\*MQ\*3\*\*\*\*\*\*32\*23487992G | Meter number |
| REF\*LO\*RESTH | LDC Load Profile |
| REF\*NH\*RES | LDC Rate class |
| REF\*PR\*RT | LDC Rate Subclass |
| REF\*TZ\*18 | LDC Meter Cycle |
| REF\*MT\*KHMON | Meter Type |
| REF\*4P\*1\*KHMON | Meter constant on the kWh register |
| REF\*IX\*6.0\*KHMON | Number of dials/digits |
| REF\*TU\*51\*KHMON | Totalized metering information sent on the 867 |
| NM1\*MQ\*3\*\*\*\*\*\*32\*UNMETERED | Indicates that there is unmetered service associated with this account |
| REF\*LO\*RESTH | LDC Load Profile |
| REF\*NH\*RES | LDC Rate class |
| REF\*PR\*RT | LDC Rate Subclass |
| REF\*TU\*51\*KHMON | Totalized metering information sent on the 867 |

## Example: CE Enrollment Response – Enrollment Rejected

**Rate Ready:** Request is for Generation services only. Enrollment was rejected due to an invalid LDC Account Number.

|  |  |
| --- | --- |
| BGN\*11\*199904020830538\*19990402\*\*\*199904011956531 | Request, unique transaction identification number, transaction creation date, original Request transaction number |
| N1\*8S\*LDC COMPANY\*1\*007909411\*\*41 | LDC Name, LDC DUNS information, Submitter |
| N1\*SJ\*ESP COMPANY\*9\*007909422ESP1\*\*40 | ESP Name, ESP DUNS information, Receiver |
| N1\*8R\*CUSTOMER NAME | Customer Name |
| LIN\*CE1999123100002\*SH\*EL\*SH\*CE | Unique transaction reference number, enrollment request for electric generation services |
| ASI\*U\*021 | **Reject** Enrollment request |
| REF\*7G\*A76\*ACCOUNT NOT FOUND | Rejection Reason code. |
| REF\*11\*2348400586 | ESP Account Number |
| REF\*12\*293839200 | LDC Account Number |

**Bill Ready:** Request is for Generation services only. Enrollment was rejected due to an invalid LDC Account Number.

|  |  |
| --- | --- |
| BGN\*11\*199904020830538\*19990402\*\*\*199904011956531 | Request, unique transaction identification number, transaction creation date, original Request transaction number |
| N1\*8S\*LDC COMPANY\*1\*007909411\*\*41 | LDC Name, LDC DUNS information, Submitter |
| N1\*SJ\*ESP COMPANY\*9\*007909422ESP1\*\*40 | ESP Name, ESP DUNS information, Receiver |
| N1\*8R\*CUSTOMER NAME | Customer Name |
| LIN\*CE1999123100002\*SH\*EL\*SH\*CE | Unique transaction reference number, enrollment request for electric generation services |
| ASI\*U\*021 | **Reject** Enrollment request |
| REF\*7G\*A76\*ACCOUNT NOT FOUND | Rejection Reason code. |
| REF\*11\*2348400586 | ESP Account Number |
| REF\*12\*293839200 | LDC Account Number |

**Dual Billing:** Request is for Generation services only. Enrollment was rejected due to an invalid LDC Account Number.

|  |  |
| --- | --- |
| BGN\*11\*199904020830568\*19990402\*\*\*199904011956566 | Response, unique transaction identification number, transaction creation date |
| N1\*8S\*LDC COMPANY\*1\*007909411\*\*41 | LDC Name, LDC DUNS information, submitter |
| N1\*SJ\*ESP COMPANY\*9\*007909422ESP1\*\*40 | ESP Name, ESP DUNS information, receiver |
| N1\*8R\*CUSTOMER NAME | Customer Name |
| LIN\*CE1999123100002\*SH\*EL\*SH\*CE | Unique transaction reference number, enrollment request for electric generation services |
| ASI\*U\*021 | **Reject** Enrollment request |
| REF\*7G\*A76\*ACCOUNT NOT FOUND | Rejection Reason code |
| REF\*11\*2348400590 | ESP Account Number |
| REF\*12\*293839201 | LDC Account Number |

## 

## Example: Historical Usage Request

**Rate Ready & Bill Ready:** This Request was for Historical Usage only.

|  |  |
| --- | --- |
| BGN\*13\*199904011956544\*19990401 | Request, unique transaction identification number, transaction creation date |
| N1\*8S\*LDC COMPANY\*1\*007909411\*\*40 | LDC Name, LDC DUNS information, receiver |
| N1\*SJ\*ESP COMPANY\*9\*007909422ESP1\*\*41 | ESP Name, ESP DUNS information, submitter |
| N1\*8R\*CUSTOMER NAME | Customer Name |
| LIN\*HU1999123100004\*SH\*EL\*SH\*HU | Unique transaction reference number, request for electric Historical Usage |
| ASI\*7\*029 | Request for inquiry |
| REF\*11\*2348400586 | ESP Account Number |
| REF\*12\*293839200 | LDC Account Number |

## Example: Historical Usage Response – Accepted (Pennsylvania)

**Rate Ready & Bill Ready:** Request is for Historical Usage only. The Request was Accepted, the actual historical data will be sent on an 867 HU transaction.

|  |  |
| --- | --- |
| BGN\*11\*199904011956544\*19990401 | Response, unique transaction identification number, transaction creation date |
| N1\*8S\*LDC COMPANY\*1\*007909411\*\*41 | LDC Name, LDC DUNS information, submitter |
| N1\*SJ\*ESP COMPANY\*9\*007909422ESP1\*\*40 | ESP Name, ESP DUNS information, receiver |
| N1\*8R\*CUSTOMER NAME | Customer Name |
| LIN\*HU1999123100004\*SH\*EL\*SH\*HU | Unique transaction reference number, request for electric Historical Usage |
| ASI\*WQ\*029 | Request for inquiry was **Accepted** |
| REF\*11\*2348400586 | ESP Account Number |
| REF\*12\*293839200 | LDC Account Number |

## Example: Historical Usage Response – Accepted (NJ, DE, ME)

**Rate Ready & Bill Ready:** Request is for Historical Usage only. The Request was Accepted, the actual historical data will be sent on an 867 HU transaction.

|  |  |
| --- | --- |
| BGN\*11\*199904011956544\*19990401 | Response, unique transaction identification number, transaction creation date |
| N1\*8S\*LDC COMPANY\*1\*007909411\*\*41 | LDC Name, LDC DUNS information, submitter |
| N1\*SJ\*ESP COMPANY\*9\*007909422ESP1\*\*40 | ESP Name, ESP DUNS information, receiver |
| N1\*8R\*CUSTOMER NAME | Customer Name |
| N3\*123 N MAIN ST\*FLR 13 | Service address |
| N4\*ANYTOWN\*MD\*12345\*\*CO\*LEHIGH | City/State/Zip for Service Address. Also County for service address where required to send |
| PER\*IC\*MARY JONES\*TE\*8005559876 | Customer Contact name and telephone number |
| LIN\*HU1999123100004\*SH\*EL\*SH\*HU | Unique transaction reference number, request for electric Historical Usage |
| ASI\*WQ\*029 | Request for inquiry was **Accepted** |
| REF\*11\*2348400586 | ESP Account Number |
| REF\*12\*293839200 | LDC Account Number |

## Example: Historical Usage Response – Rejected

**Rate Ready & Bill Ready:** Request is for Historical Usage only. The Request was Rejected because account is inactive.

|  |  |
| --- | --- |
| BGN\*11\*199904011956544\*19990401 | Response, unique transaction identification number, transaction creation date |
| N1\*8S\*LDC COMPANY\*1\*007909411\*\*41 | LDC Name, LDC DUNS information, submitter |
| N1\*SJ\*ESP COMPANY\*9\*007909422ESP1\*\*40 | ESP Name, ESP DUNS information, receiver |
| N1\*8R\*CUSTOMER NAME | Customer Name |
| LIN\*HU1999123100004\*SH\*EL\*SH\*HU | Unique transaction reference number, request for electric Historical Usage |
| ASI\*U\*029 | Request for inquiry was **Rejected** |
| REF\*7G\*008\*ACCOUNT EXISTS BUT NOT ACTIVE | Rejection Reason code |
| REF\*11\*2348400586 | ESP Account Number |
| REF\*12\*293839200 | LDC Account Number |

## Example: Historical Usage Response – Historical Usage Unavailable

**Rate Ready & Bill Ready:** Request is for Historical Usage only. No Historical Usage is available. The Request is Accepted, but a status code should be sent indicating that historical usage is not available.

|  |  |
| --- | --- |
| BGN\*11\*199904011956544\*19990401 | Response, unique transaction identification number, transaction creation date |
| N1\*8S\*LDC COMPANY\*1\*007909411\*\*41 | LDC Name, LDC DUNS information, submitter |
| N1\*SJ\*ESP COMPANY\*9\*007909422ESP1\*\*40 | ESP Name, ESP DUNS information, receiver |
| N1\*8R\*CUSTOMER NAME | Customer Name |
| LIN\*HU1999123100004\*SH\*EL\*SH\*HU | Unique transaction reference number, request for electric Historical Usage |
| ASI\*WQ\*029 | Request for inquiry was **Accepted** |
| REF\*1P\*HUU\*HISTORICAL USAGE UNAVAILABLE | Status Reason code |
| REF\*11\*2348400586 | ESP Account Number |
| REF\*12\*293839200 | LDC Account Number |

## Example: Historical Usage Request (Maryland)

**Rate Ready & Bill Ready:** This Request was for Historical Usage only.

|  |  |
| --- | --- |
| BGN\*13\*199904011956544\*19990401 | Request, unique transaction identification number, transaction creation date |
| N1\*8S\*LDC COMPANY\*1\*007909411\*\*40 | LDC Name, LDC DUNS information, receiver |
| N1\*SJ\*ESP COMPANY\*9\*007909422ESP1\*\*41 | ESP Name, ESP DUNS information, submitter |
| N1\*8R\*CUSTOMER NAME | Customer Name |
| LIN\*HU1999123100004\*SH\*EL\*SH\*HU | Unique transaction reference number, request for electric Historical Usage |
| ASI\*7\*029 | Request for inquiry |
| REF\*11\*2348400586 | ESP Account Number |
| REF\*12\*293839200 | LDC Account Number |

## Example: Historical Usage Response – Accepted (Maryland)

**Rate Ready & Bill Ready:** Request is for Historical Usage only. The Request was Accepted, and provides the customer address and billing address information. The actual historical data will be sent on an 867 HU transaction.

|  |  |
| --- | --- |
| BGN\*11\*199904011956544\*19990401 | Response, unique transaction identification number, transaction creation date |
| N1\*8S\*LDC COMPANY\*1\*007909411\*\*41 | LDC Name, LDC DUNS information, submitter |
| N1\*SJ\*ESP COMPANY\*9\*007909422ESP1\*\*40 | ESP Name, ESP DUNS information, receiver |
| N1\*8R\*CUSTOMER NAME | Customer Name |
| N3\*123 N MAIN ST\*FLR 13 | Service address |
| N4\*ANYTOWN\*PA\*18111 | City/State/Zip for Service Address. |
| PER\*IC\*MARY JONES\*TE\*8005559876 | Customer Contact name and telephone number |
| N1\*BT\*ACCOUNTS PAYABLE DEPT | Bill to party |
| N3\*100 WEST AVENUE | Bill to address |
| N4\*ANYTOWN\*PA\*18111 | Bill to City/State/Zip |
| PER\*IC\*KELLY WEST\*TE\*8005559876 | Bill To Contact name and telephone number |
| LIN\*HU1999123100004\*SH\*EL\*SH\*HU | Unique transaction reference number, request for electric Historical Usage |
| ASI\*WQ\*029 | Request for inquiry was **Accepted** |
| REF\*11\*2348400586 | ESP Account Number |
| REF\*12\*293839200 | LDC Account Number |

## Example: Historical Usage Response – Rejected (Maryland)

**Rate Ready & Bill Ready:** Request is for Historical Usage only. The Request was Rejected because account is inactive.

|  |  |
| --- | --- |
| BGN\*11\*199904011956544\*19990401 | Response, unique transaction identification number, transaction creation date |
| N1\*8S\*LDC COMPANY\*1\*007909411\*\*41 | LDC Name, LDC DUNS information, submitter |
| N1\*SJ\*ESP COMPANY\*9\*007909422ESP1\*\*40 | ESP Name, ESP DUNS information, receiver |
| N1\*8R\*CUSTOMER NAME | Customer Name |
| LIN\*HU1999123100004\*SH\*EL\*SH\*HU | Unique transaction reference number, request for electric Historical Usage |
| ASI\*U\*029 | Request for inquiry was **Rejected** |
| REF\*7G\*008\*ACCOUNT EXISTS BUT NOT ACTIVE | Rejection Reason code |
| REF\*11\*2348400586 | ESP Account Number |
| REF\*12\*293839200 | LDC Account Number |

## Example: Historical Usage Response – Historical Usage Unavailable (Maryland)

**Rate Ready & Bill Ready:** Request is for Historical Usage only. No Historical Usage is available. The Request is Accepted, but a status code should be sent indicating that historical usage is not available.

|  |  |
| --- | --- |
| BGN\*11\*199904011956544\*19990401 | Response, unique transaction identification number, transaction creation date |
| N1\*8S\*LDC COMPANY\*1\*007909411\*\*41 | LDC Name, LDC DUNS information, submitter |
| N1\*SJ\*ESP COMPANY\*9\*007909422ESP1\*\*40 | ESP Name, ESP DUNS information, receiver |
| N1\*8R\*CUSTOMER NAME | Customer Name |
| LIN\*HU1999123100004\*SH\*EL\*SH\*HU | Unique transaction reference number, request for electric Historical Usage |
| ASI\*WQ\*029 | Request for inquiry was **Accepted** |
| REF\*1P\*HUU\*HISTORICAL USAGE UNAVAILABLE | Status Reason code |
| REF\*11\*2348400586 | ESP Account Number |
| REF\*12\*293839200 | LDC Account Number |

## 

## Example: Summary Information for Interval Account Request

**Rate Ready & Bill Ready:** This Request is to receive summary information only for an interval account. This must be sent as a secondary service with a generation enrollment or after a customer has been successfully enrolled with an ESP.

|  |  |
| --- | --- |
| BGN\*13\*199904011956588\*19990401 | Request, unique transaction identification number, transaction creation date |
| N1\*8S\*LDC COMPANY\*1\*007909411\*\*40 | LDC Name, LDC DUNS information, receiver |
| N1\*SJ\*ESP COMPANY\*9\*007909422ESP1\*\*41 | ESP Name, ESP DUNS information, submitter |
| N1\*8R\*CUSTOMER NAME | Customer Name |
| LIN\*SI1999123100007\*SH\*EL\*SH\*SI | Unique transaction reference number, request for electric summary only interval data |
| ASI\*7\*021 | Request for addition |
| REF\*11\*2348400586 | ESP Account Number |
| REF\*12\*293839200 | LDC Account Number |

## Example: Summary Information for Interval Account Response – Accepted

**Rate Ready & Bill Ready:** Request is to receive summary information only for an interval account. The Request was Accepted.

|  |  |
| --- | --- |
| BGN\*11\*199904011956588\*19990401 | Response, unique transaction identification number, transaction creation date |
| N1\*8S\*LDC COMPANY\*1\*007909411\*\*41 | LDC Name, LDC DUNS information, submitter |
| N1\*SJ\*ESP COMPANY\*9\*007909422ESP1\*\*40 | ESP Name, ESP DUNS information, receiver |
| N1\*8R\*CUSTOMER NAME | Customer Name |
| LIN\*SI1999123100007\*SH\*EL\*SH\*SI | Unique transaction reference number, request for electric Meter Information |
| ASI\*WQ\*021 | Request for inquiry was **Accepted** |
| REF\*11\*2348400586 | ESP Account Number |
| REF\*12\*293839200 | LDC Account Number |
| REF\*17\*SUMMARY | Summary/Interval Indicator |

## Example: Summary Information for Interval Account Response – Rejected

**Rate Ready & Bill Ready:** Request is to receive summary information only for an interval account. The Request was Rejected because account is inactive.

|  |  |
| --- | --- |
| BGN\*11\*199904011956588\*19990401 | Response, unique transaction identification number, transaction creation date |
| N1\*8S\*LDC COMPANY\*1\*007909411\*\*41 | LDC Name, LDC DUNS information, submitter |
| N1\*SJ\*ESP COMPANY\*9\*007909422ESP1\*\*40 | ESP Name, ESP DUNS information, receiver |
| N1\*8R\*CUSTOMER NAME | Customer Name |
| LIN\*SI1999123100007\*SH\*EL\*SH\*SI | Unique transaction reference number, request for electric Meter Information |
| ASI\*U\*021 | Request for inquiry was **Rejected** |
| REF\*7G\*008\*ACCOUNT EXISTS BUT IS NOT ACTIVE | Rejection Reason code |
| REF\*11\*2348400586 | ESP Account Number |
| REF\*12\*293839200 | LDC Account Number |

## Example: Summary Information for Interval Account Response – Service Not Provided

**Rate Ready & Bill Ready:** Request is to receive summary information only for an interval account. The Request is Accepted, but a status code should be sent indicating that the utility does not provide this service at the account level.

|  |  |
| --- | --- |
| BGN\*11\*199904011956588\*19990401 | Response, unique transaction identification number, transaction creation date |
| N1\*8S\*LDC COMPANY\*1\*007909411\*\*41 | LDC Name, LDC DUNS information, submitter |
| N1\*SJ\*ESP COMPANY\*9\*007909422ESP1\*\*40 | ESP Name, ESP DUNS information, receiver |
| N1\*8R\*CUSTOMER NAME | Customer Name |
| LIN\*SI1999123100007\*SH\*EL\*SH\*SI | Unique transaction reference number, request for electric Meter Information |
| ASI\*WQ\*021 | Request for inquiry was **Accepted** |
| REF\*1P\*SNP\*SERVICE NOT PROVIDED | Status Reason code |
| REF\*11\*2348400586 | ESP Account Number |
| REF\*12\*293839200 | LDC Account Number |

## 

## Example: Enrollment Request for Generation Services, Historical Usage, Meter Information and Summary Interval – Rate Ready

**Rate Ready:**

|  |  |
| --- | --- |
| BGN\*13\*199904011956531\*19990401 | Request, unique transaction identification number, transaction creation date |
| N1\*8S\*LDC COMPANY\*1\*007909411\*\*40 | LDC Name, LDC DUNS information, receiver |
| N1\*SJ\*ESP COMPANY\*9\*007909422ESP1\*\*41 | ESP Name, ESP DUNS information, submitter |
| N1\*8R\*CUSTOMER NAME | Customer Name |
| LIN\*CE1999123100002\*SH\*EL\*SH\*CE | Unique transaction reference number, request for electric Generation Service |
| ASI\*7\*021 | Request for addition |
| REF\*11\*2348400586 | ESP Account Number |
| REF\*12\*293839200 | LDC Account Number |
| REF\*BLT\*LDC | LDC consolidates the LDC and ESP charges |
| REF\*PC\*LDC | LDC calculates ESP charges (Rate Ready) |
| DTM\*129\*19990401\*1430\*ET | Date/time/time zone customer agreed to obtain service from the Service Provider |
| AMT\*7N\*1 | Participating interest |
| AMT\*DP\*1 | Tax Exemption Percent |
| NM1\*MQ\*3\*\*\*\*\*\*32\*ALL | Beginning of Meter Loop for Rate Ready |
| REF\*RB\*0300 | ESP Rate code |
| LIN\*HU1999123100004\*SH\*EL\*SH\*HU | Unique transaction reference number, request for electric Historical Usage |
| ASI\*7\*029 | Request for inquiry |
| REF\*11\*2348400586 | ESP Account Number |
| REF\*12\*293839200 | LDC Account Number |
| LIN\*SI1999123100007\*SH\*EL\*SH\*SI | Unique transaction reference number, request for electric Summary Only Information for an Interval Account |
| ASI\*7\*021 | Request for addition |
| REF\*11\*2348400586 | ESP Account Number |
| REF\*12\*293839200 | LDC Account Number |
| REF\*17\*SUMMARY | Summary level only data will be sent for this account |

## Example: Enrollment Request for Generation Services, Historical Usage, Meter Information and Summary Interval – Bill Ready

**Bill Ready:**

|  |  |
| --- | --- |
| BGN\*13\*199904011956531\*19990401 | Request, unique transaction identification number, transaction creation date |
| N1\*8S\*LDC COMPANY\*1\*007909411\*\*40 | LDC Name, LDC DUNS information, receiver |
| N1\*SJ\*ESP COMPANY\*9\*007909422ESP1\*\*41 | ESP Name, ESP DUNS information, submitter |
| N1\*8R\*CUSTOMER NAME | Customer Name |
| LIN\*CE1999123100002\*SH\*EL\*SH\*CE | Unique transaction reference number, request for electric Generation Service |
| ASI\*7\*021 | Request for addition |
| REF\*11\*2348400586 | ESP Account Number |
| REF\*12\*293839200 | LDC Account Number |
| REF\*BLT\*LDC | LDC consolidates the LDC and ESP charges |
| REF\*PC\*DUAL | Each party calculates its own charges (Bill Ready) |
| DTM\*129\*19990401\*1430\*ET | Date/time/time zone customer agreed to obtain service from the Service Provider |
| AMT\*7N\*1 | Participating interest |
| LIN\*HU1999123100004\*SH\*EL\*SH\*HU | Unique transaction reference number, request for electric Historical Usage |
| ASI\*7\*029 | Request for inquiry |
| REF\*11\*2348400586 | ESP Account Number |
| REF\*12\*293839200 | LDC Account Number |
| LIN\*SI1999123100007\*SH\*EL\*SH\*SI | Unique transaction reference number, request for electric Summary Only Information for an Interval Account |
| ASI\*7\*021 | Request for addition |
| REF\*11\*2348400586 | ESP Account Number |
| REF\*12\*293839200 | LDC Account Number |

## 

## Example: Enrollment Response for Generation Services, Historical Usage, Meter Information and Summary Interval

Account has 2 meters. Meter 123857G measures kWh and kW (on and off peak), Meter 218737S measures kWh (totalized only). **Note:** All services have been accepted.

**Rate Ready**

|  |  |
| --- | --- |
| BGN\*11\*199904020830531\*19990402\*\*\*199904011956531 | Response, unique transaction identification number, transaction creation date |
| N1\*8S\*LDC COMPANY\*1\*007909411\*\*41 | LDC Name, LDC DUNS information, submitter |
| N1\*SJ\*ESP COMPANY\*9\*007909422ESP1\*\*40 | ESP Name, ESP DUNS information, receiver |
| N1\*8R\*CUSTOMER NAME\*92\*1210 | Customer Name and reference number |
| N3\*123 N MAIN ST\*FLR 13 | Service address |
| N4\*ANYTOWN\*PA\*18111 | City/State/Zip for Service Address. |
| PER\*IC\*MARY JONES\*TE\*8005559876 | Customer Contact name and telephone number |
| N1\*BT\*ACCOUNTS PAYABLE DEPT | Bill to party |
| N3\*100 WEST AVENUE | Bill to address |
| N4\*ANYTOWN\*PA\*18111 | Bill to City/State/Zip |
| PER\*IC\*KELLY WEST\*TE\*8005559876 | Bill To Contact name and telephone number |
| N1\*PK\*FRANK SMITH | Party to Receive Copy Name |
| N3\*459 AVENUE B | Party to Receive Copy Address |
| N4\*ANYTOWN\*PA\*18111 | Party to Receive Copy City/State/Zip |
| PER\*IC\*FRANK SMITH\*TE\*8005559876 | Party to Receive Copy Name |
| N1\*2C\*CAROL WRIGHT | Co-Participant Name |
| N3\*23948 MAIN STREET | Co-Participant Address |
| N4\*ANYTOWN\*PA\*18111 | Co-Participant City/State/Zip |
| PER\*IC\*CAROL WRIGHT\*TE\*8005559876 | Co-Participant Name |
| LIN\*CE1999123100002\*SH\*EL\*SH\*CE | Unique transaction reference number, enrollment request for electric generation services |
| ASI\*WQ\*021 | Accept Enrollment request |
| REF\*11\*2348400586 | ESP Account Number |
| REF\*12\*293839200 | LDC Account Number |
| REF\*BF\*18 | LDC Billing Cycle |
| REF\*BLT\*LDC | LDC consolidates the LDC and ESP charges |
| REF\*PC\*LDC | LDC calculates ESP charges (Rate Ready) |
| REF\*NR\*N | Budget Billing Status |
| REF\*SPL\*\*PJM192478939901287748 | PJM LMP Bus Number |
| DTM\*129\*19990401\*1430\*ET | Date/time/time zone customer agreed to obtain service from the Service Provider |
| DTM\*150\*19990425 | Estimated Start date |
| AMT\*7N\*1 | Participating interest |
| AMT\*QY\*1 | Eligible Load Percentage |
| AMT\*KC\*12.8 | Peak Load Capacity |
| AMT\*KZ\*14.1 | Network Service Peak Load |
| AMT\*LD\*12 | Number of months over which the total kWh and/or Peak Demand are calculated |
| AMT\*MA\*50 | Peak Demand |
| AMT\*TA\*125500 | Total kWh |
| NM1\*MQ\*3\*\*\*\*\*\*32\*123857G | Meter number |
| REF\*LO\*GS | LDC Load Profile |
| REF\*NH\*GS1 | LDC Rate class |
| REF\*PR\*123 | LDC Rate Subclass |
| REF\*RB\*0300 | ESP rate code |
| REF\*TZ\*18 | LDC Meter Cycle |
| REF\*MT\*COMBO | Meter Type |
| REF\*4P\*1\*KHMON | Meter constant on the kWh register |
| REF\*IX\*6.1\*KHMON | Number of dials/digits |
| REF\*TU\*41\*KHMON | Off Peak metering information sent on the 867 |
| REF\*TU\*42\*KHMON | On Peak metering information sent on the 867 |
| REF\*4P\*1\*K1MON | Meter constant on the demand (kW) register |
| REF\*IX\*5.0\*K1MON | Number of dials/digits ) |
| REF\*TU\*41\*K1MON | Off Peak metering information sent on the 867 |
| REF\*TU\*42\*K1MON | On Peak metering information sent on the 867 |
| NM1\*MQ\*3\*\*\*\*\*\*32\*218737S | Meter Number |
| REF\*LO\*GS | LDC Load Profile |
| REF\*NH\*GS1 | LDC Rate class |
| REF\*PR\*123 | LDC Rate Subclass |
| REF\*RB\*0300 | ESP rate code) |
| REF\*TZ\*18 | LDC Meter Cycle |
| REF\*MT\*KHMON | Meter Type |
| REF\*4P\*1\*KHMON | Meter Constant |
| REF\*IX\*5.0\*KHMON | Number of dials/digits |
| REF\*TU\*51\*KHMON | Totalized metering information sent on the 867 |
| LIN\*HU1999123100004\*SH\*EL\*SH\*HU | Unique transaction reference number, enrollment request for electric Historical Usage |
| ASI\*WQ\*029 | Request for inquiry was **Accepted** |
| REF\*11\*2348400586 | ESP Account Number |
| REF\*12\*293839200 | LDC Account Number |
| LIN\*SI1999123100007\*SH\*EL\*SH\*SI | Unique transaction reference number, enrollment request for electric Summary Only Information for an Interval Account |
| ASI\*WQ\*021 | Request for inquiry was **Accepted** |
| REF\*11\*2348400586 | ESP Account Number |
| REF\*12\*293839200 | LDC Account Number |
| REF\*17\*SUMMARY | Summary level only data will be sent for this interval account |

**Bill Ready**

|  |  |
| --- | --- |
| BGN\*11\*199904020830531\*19990402\*\*\*199904011956531 | Response, unique transaction identification number, transaction creation date |
| N1\*8S\*LDC COMPANY\*1\*007909411\*\*41 | LDC Name, LDC DUNS information, submitter |
| N1\*SJ\*ESP COMPANY\*9\*007909422ESP1\*\*40 | ESP Name, ESP DUNS information, receiver |
| N1\*8R\*CUSTOMER NAME\*92\*1210 | Customer Name and reference number |
| N3\*123 N MAIN ST\*FLR 13 | Service address |
| N4\*ANYTOWN\*PA\*18111 | City/State/Zip for Service Address. |
| PER\*IC\*MARY JONES\*TE\*8005559876 | Customer Contact name and telephone number |
| N1\*BT\*ACCOUNTS PAYABLE DEPT | Bill to party |
| N3\*100 WEST AVENUE | Bill to address |
| N4\*ANYTOWN\*PA\*18111 | Bill to City/State/Zip |
| PER\*IC\*KELLY WEST\*TE\*8005559876 | Bill To Contact name and telephone number |
| N1\*PK\*FRANK SMITH | Party to Receive Copy Name |
| N3\*459 AVENUE B | Party to Receive Copy Address |
| N4\*ANYTOWN\*PA\*18111 | Party to Receive Copy City/State/Zip |
| PER\*IC\*FRANK SMITH\*TE\*8005559876 | Party to Receive Copy Name |
| N1\*2C\*CAROL WRIGHT | Co-Participant Name |
| N3\*23948 MAIN STREET | Co-Participant Address |
| N4\*ANYTOWN\*PA\*18111 | Co-Participant City/State/Zip |
| PER\*IC\*CAROL WRIGHT\*TE\*8005559876 | Co-Participant Name |
| LIN\*CE1999123100002\*SH\*EL\*SH\*CE | Unique transaction reference number, enrollment request for electric generation services |
| ASI\*WQ\*021 | Accept Enrollment request |
| REF\*11\*2348400586 | ESP Account Number |
| REF\*12\*293839200 | LDC Account Number |
| REF\*4N\*N | LDC Payment Arrangement Status |
| REF\*BF\*18 | LDC Billing Cycle |
| REF\*BLT\*LDC | LDC consolidates the LDC and ESP charges |
| REF\*PC\*DUAL | Each party calculates its own charges (Bill Ready) |
| REF\*NR\*N | Budget Billing Status |
| REF\*SPL\*\*PJM192478939901287748 | PJM LMP Bus Number |
| DTM\*129\*19990401\*1430\*ET | Date/time/time zone customer agreed to obtain service from the Service Provider |
| DTM\*150\*19990425 | Estimated Start date |
| AMT\*7N\*1 | Participating interest |
| AMT\*QY\*1 | Eligible Load Percentage |
| AMT\*KC\*12.8 | Peak Load Capacity |
| AMT\*KZ\*14.1 | Network Service Peak Load |
| AMT\*LD\*12 | Number of months over which the total kWh and/or Peak Demand are calculated |
| AMT\*MA\*50 | Peak Demand |
| AMT\*TA\*125500 | Total kWh |
| NM1\*MQ\*3\*\*\*\*\*\*32\*123857G | Meter number |
| REF\*LO\*GS | LDC Load Profile |
| REF\*NH\*GS1 | LDC Rate class |
| REF\*PR\*123 | LDC Rate Subclass |
| REF\*TZ\*18 | LDC Meter Cycle |
| REF\*MT\*COMBO | Meter Type |
| REF\*4P\*1\*KHMON | Meter constant on the kWh register |
| REF\*IX\*6.1\*KHMON | Number of dials/digits |
| REF\*TU\*41\*KHMON | Off Peak metering information sent on the 867 |
| REF\*TU\*42\*KHMON | On Peak metering information sent on the 867 |
| REF\*4P\*1\*K1MON | Meter constant on the demand (kW) register |
| REF\*IX\*5.0\*K1MON | Number of dials/digits ) |
| REF\*TU\*41\*K1MON | Off Peak metering information sent on the 867 |
| REF\*TU\*42\*K1MON | On Peak metering information sent on the 867 |
| NM1\*MQ\*3\*\*\*\*\*\*32\*218737S | Meter Number |
| REF\*LO\*GS | LDC Load Profile |
| REF\*NH\*GS1 | LDC Rate class |
| REF\*PR\*123 | LDC Rate Subclass |
| REF\*TZ\*18 | LDC Meter Cycle |
| REF\*MT\*KHMON | Meter Type |
| REF\*4P\*1\*KHMON | Meter Constant |
| REF\*IX\*5.0\*KHMON | Number of dials/digits |
| REF\*TU\*51\*KHMON | Totalized metering information sent on the 867 |
| LIN\*HU1999123100004\*SH\*EL\*SH\*HU | Unique transaction reference number, enrollment request for electric Historical Usage |
| ASI\*WQ\*029 | Request for inquiry was **Accepted** |
| REF\*11\*2348400586 | ESP Account Number |
| REF\*12\*293839200 | LDC Account Number |
| LIN\*SI1999123100007\*SH\*EL\*SH\*SI | Unique transaction reference number, enrollment request for electric Summary Only Information for an Interval Account |
| ASI\*WQ\*021 | Request for inquiry was **Accepted** |
| REF\*11\*2348400586 | ESP Account Number |
| REF\*12\*293839200 | LDC Account Number |
| REF\*17\*SUMMARY | Summary level only data will be sent for this interval account |

## Example: Enrollment Request for Renewable Energy Certificate Services

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

|  |  |
| --- | --- |
| BGN\*13\*199904011956531\*19990401 | Request, unique transaction identification number, transaction creation date |
| N1\*8S\*LDC COMPANY\*1\*007909411\*\*40 | LDC Name, LDC DUNS information, receiver |
| N1\*G7\*RENEWABLE CO\*9\*007909422GPM1\*\*41 | Renewable Energy Provider Name and DUNS information, submitter |
| N1\*8R\*CUSTOMER NAME | Customer Name |
| LIN\*CE1999123100002\*SH\*EL\*SH\*RC | Unique transaction reference number, enrollment request for renewable energy certificate services |
| ASI\*7\*021 | Request for addition |
| REF\*11\*2348400587 | Renewable Energy Provider Account Number |
| REF\*12\*293839201 | LDC Account Number |

## Example: RC Enrollment Response – Enrollment Accepted

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

|  |  |
| --- | --- |
| BGN\*11\*199904020830531\*19990402\*\*\*199904011956531 | Response, unique transaction identification number, transaction creation date and original request transaction identification number |
| N1\*8S\*LDC COMPANY\*1\*007909411\*\*41 | LDC Name, LDC DUNS information, submitter |
| N1\*G7\*RENEWABLE CO\*9\*007909422GPM1\*\*40 | Renewable Energy Provider Name and DUNS information, receiver |
| N1\*8R\*CUSTOMER NAME\*92\*1210 | Customer Name and reference number |
| N3\*123 N MAIN ST\*FLR 13 | Service address |
| N4\*ANYTOWN\*PA\*18111\*\*CO\*LEHIGH | City/State/Zip and County for Service Address. |
| LIN\*CE1999123100002\*SH\*EL\*SH\*RC | Unique transaction reference number, enrollment request for renewable energy certificate services |
| ASI\*WQ\*021 | Accept Enrollment request |
| REF\*11\*2348400587 | Renewable Energy Provider Account Number |
| REF\*12\*293839201 | LDC Account Number |

## Example: Enrollment Request for Re-Enrollment – Drop sent in Error (MD Only)

**Bill Ready:** Example of Enrollment using EB1 (re-enrollment- drop sent in error)

Note: Re-enrollment of incumbent would use same format, but would have REF\*1P\*EB2.

|  |  |
| --- | --- |
| BGN\*13\*199904011956531\*19990401 | Request, unique transaction identification number, transaction creation date |
| N1\*8S\*LDC COMPANY\*1\*007909411\*\*40 | LDC Name, LDC DUNS information, receiver |
| N1\*SJ\*ESP COMPANY\*9\*007909422ESP1\*\*41 | ESP Name, ESP DUNS information, submitter |
| N1\*8R\*CUSTOMER NAME | Customer Name |
| LIN\*CE1999123100002\*SH\*EL\*SH\*CE | Unique transaction reference number, enrollment request for electric generation services |
| ASI\*7\*021 | Request for addition |
| REF\*11\*2348400586 | ESP Account Number |
| REF\*12\*293839200 | LDC Account Number |
| REF\*1P\*EB1 | Re-enroll customer – drop sent in error |
| REF\*BLT\*LDC | LDC consolidates the LDC and ESP charges |
| REF\*PC\*DUAL | Each party calculates its own charges (Bill Ready) |
| DTM\*129\*20090401\*1430\*ET | Date/time/time zone customer agreed to obtain service from the Service Provider |
| AMT\*7N\*1 | Participating interest: |

## Example: PECO PA Specific Enrollment & Summary/Detail Interval Samples

**Scenario 1: ESP enrollment, no data preference specified (implied summary preference)**

**Bill-Ready EDI 814 enrollment**

|  |  |
| --- | --- |
| BGN\*13\*199904011956531\*19990401 | Request, unique transaction identification number, transaction creation date |
| N1\*8S\*LDC COMPANY\*1\*007909411\*\*40 | LDC Name, LDC DUNS information, receiver |
| N1\*SJ\*ESP COMPANY\*9\*007909422ESP1\*\*41 | ESP Name, ESP DUNS information, submitter |
| N1\*8R\*CUSTOMER NAME | Customer Name |
| LIN\*CE1999123100002\*SH\*EL\*SH\*CE | Unique transaction reference number, enrollment request for electric generation services |
| ASI\*7\*021 | Request for addition |
| REF\*11\*2348400586 | ESP Account Number |
| REF\*12\*293839200 | LDC Account Number |
| REF\*BLT\*LDC | LDC consolidates the LDC and ESP charges |
| REF\*PC\*DUAL | Each party calculates its own charges (Bill Ready) |
| DTM\*129\*19990401\*1430\*ET | Date/time/time zone customer agreed to obtain service from the Service Provider |
| AMT\*7N\*1 | Participating interest: |

**Bill-Ready EDI 814 enrollment response**

|  |  |
| --- | --- |
| BGN\*11\*199904020830531\*19990402\*\*\*199904011956531 | Response, unique transaction identification number, transaction creation date and original request transaction identification number |
| N1\*8S\*LDC COMPANY\*1\*007909411\*\*41 | LDC Name, LDC DUNS information, submitter |
| N1\*SJ\*ESP COMPANY\*9\*007909422ESP1\*\*40 | ESP Name, ESP DUNS information, receiver |
| N1\*8R\*CUSTOMER NAME\*92\*1210 | Customer Name and reference number |
| N3\*123 N MAIN ST\*FLR 13 | Service address |
| N4\*ANYTOWN\*PA\*18111 | City/State/Zip for Service Address. |
| PER\*IC\*MARY JONES\*TE\*8005559876 | Customer Contact name and telephone number |
| N1\*BT\*ACCOUNTS PAYABLE DEPT | Bill to party |
| N3\*100 WEST AVENUE | Bill to address |
| N4\*ANYTOWN\*PA\*18111 | Bill to City/State/Zip |
| PER\*IC\*KELLY WEST\*TE\*8005559876 | Bill To Contact name and telephone number |
| N1\*PK\*FRANK SMITH | Party to Receive Copy Name |
| N3\*459 AVENUE B | Party to Receive Copy Address |
| N4\*ANYTOWN\*PA\*18111 | Party to Receive Copy City/State/Zip |
| PER\*IC\*FRANK SMITH\*TE\*8005559876 | Party to Receive Copy Name |
| N1\*2C\*CAROL WRIGHT | Co-Participant Name |
| N3\*23948 MAIN STREET | Co-Participant Address |
| N4\*ANYTOWN\*PA\*18111 | Co-Participant City/State/Zip |
| PER\*IC\*CAROL WRIGHT\*TE\*8005559876 | Co-Participant Name and telephone number |
| LIN\*CE1999123100002\*SH\*EL\*SH\*CE | Unique transaction reference number, enrollment request for electric generation services |
| ASI\*WQ\*021 | Accept Enrollment request |
| REF\*11\*2348400586 | ESP Account Number |
| REF\*12\*293839200 | LDC Account Number |
| REF\*4N\*N | LDC Payment Arrangement Status |
| REF\*BF\*18 | LDC Billing Cycle |
| REF\*BLT\*LDC | LDC consolidates the LDC and ESP charges |
| REF\*PC\*DUAL | Each party calculates its own charges (Bill Ready) |
| REF\*NR\*N | Budget Billing Status |
| REF\*SPL\*\*PJM192478939901287748 | Indicates PJM LMP Bus Number |
| DTM\*129\*19990401\*1430\*ET | Date/time/time zone customer agreed to obtain service from the Service Provider |
| DTM\*150\*19990425 | Estimated Start date |
| AMT\*7N\*1 | Participating interest |
| AMT\*QY\*1 | Eligible Load Percentage |
| AMT\*5J\*2 | Air conditioners in load cycling program |
| AMT\*L0\*1 | Water Heaters in load cycling program |
| AMT\*KC\*12.8 | Peak Load Capacity |
| AMT\*KZ\*14.1 | Network Service Peak Load |
| AMT\*LD\*12 | Number of months over which the total kWh and/or Peak Demand are calculated |
| AMT\*MA\*50 | Peak Demand |
| AMT\*TA\*125500 | Total kWh |
| NM1\*MQ\*3\*\*\*\*\*\*32\*123857G | Meter number |
| REF\*LO\*GS | LDC Load Profile |
| REF\*NH\*GS1 | LDC Rate class |
| REF\*PR\*123 | LDC Rate Subclass |
| REF\*TZ\*18 | LDC Meter Cycle |
| REF\*MT\*COMBO**\*I** | Meter Type |
| REF\*4P\*1\*KHMON | Meter constant on the kWh register |
| REF\*IX\*6.1\*KHMON | Number of dials/digits |
| REF\*TU\*41\*KHMON | Off Peak metering information sent on the 867 |
| REF\*TU\*42\*KHMON | On Peak metering information sent on the 867 |
| REF\*4P\*1\*K1MON | Meter constant on the demand (kW) register |
| REF\*IX\*5.0\*K1MON | Number of dials/digits |
| REF\*TU\*41\*K1MON | Off Peak metering information sent on the 867 |
| REF\*TU\*42\*K1MON | On Peak metering information sent on the 867 |
| NM1\*MQ\*3\*\*\*\*\*\*32\*218737S | Meter Number |
| REF\*LO\*GS | LDC Load Profile |
| REF\*NH\*GS1 | LDC Rate class |
| REF\*PR\*123 | LDC Rate Subclass |
| REF\*TZ\*18 | LDC Meter Cycle |
| REF\*MT\*KHMON | Meter Type |
| REF\*4P\*1\*KHMON | Meter Constant |
| REF\*IX\*5.0\*KHMON | Number of dials/digits |
| REF\*TU\*51\*KHMON | Totalized metering information sent on the 867 |

**Scenario 2: ESP enrollment, requesting summary data**

**Bill-Ready EDI 814 enrollment from ESP**

|  |  |
| --- | --- |
| BGN\*13\*199904011956531\*19990401 | Request, unique transaction identification number, transaction creation date |
| N1\*8S\*LDC COMPANY\*1\*007909411\*\*40 | LDC Name, LDC DUNS information, receiver |
| N1\*SJ\*ESP COMPANY\*9\*007909422ESP1\*\*41 | ESP Name, ESP DUNS information, submitter |
| N1\*8R\*CUSTOMER NAME | Customer Name |
| LIN\*CE1999123100002\*SH\*EL\*SH\*CE | Unique transaction reference number, enrollment request for electric generation services |
| ASI\*7\*021 | Request for addition |
| REF\*11\*2348400586 | ESP Account Number |
| REF\*12\*293839200 | LDC Account Number |
| REF\*BLT\*LDC | LDC consolidates the LDC and ESP charges |
| REF\*PC\*DUAL | Each party calculates its own charges (Bill Ready) |
| DTM\*129\*19990401\*1430\*ET | Date/time/time zone customer agreed to obtain service from the Service Provider |
| AMT\*7N\*1 | Participating interest: |
| LIN\*SI1999040111956532\*SH\*EL\*SH\*SI | Unique transaction reference number, request for electric summary only interval data |
| ASI\*7\*021 | Request for addition |
| REF\*11\*2348400586 | ESP Account Number |
| REF\*12\*293839200 | LDC Account Number |
| REF\*17\*SUMMARY | Summary/Interval Indicator |

**Bill-Ready EDI 814 enrollment response from EDC**

|  |  |
| --- | --- |
| BGN\*11\*199904020830531\*19990402\*\*\*199904011956531 | Response, unique transaction identification number, transaction creation date and original request transaction identification number |
| N1\*8S\*LDC COMPANY\*1\*007909411\*\*41 | LDC Name, LDC DUNS information, submitter |
| N1\*SJ\*ESP COMPANY\*9\*007909422ESP1\*\*40 | ESP Name, ESP DUNS information, receiver |
| N1\*8R\*CUSTOMER NAME\*92\*1210 | Customer Name and reference number |
| N3\*123 N MAIN ST\*FLR 13 | Service address |
| N4\*ANYTOWN\*PA\*18111 | City/State/Zip for Service Address. |
| PER\*IC\*MARY JONES\*TE\*8005559876 | Customer Contact name and telephone number |
| N1\*BT\*ACCOUNTS PAYABLE DEPT | Bill to party |
| N3\*100 WEST AVENUE | Bill to address |
| N4\*ANYTOWN\*PA\*18111 | Bill to City/State/Zip |
| PER\*IC\*KELLY WEST\*TE\*8005559876 | Bill To Contact name and telephone number |
| N1\*PK\*FRANK SMITH | Party to Receive Copy Name |
| N3\*459 AVENUE B | Party to Receive Copy Address |
| N4\*ANYTOWN\*PA\*18111 | Party to Receive Copy City/State/Zip |
| PER\*IC\*FRANK SMITH\*TE\*8005559876 | Party to Receive Copy Name |
| N1\*2C\*CAROL WRIGHT | Co-Participant Name |
| N3\*23948 MAIN STREET | Co-Participant Address |
| N4\*ANYTOWN\*PA\*18111 | Co-Participant City/State/Zip |
| PER\*IC\*CAROL WRIGHT\*TE\*8005559876 | Co-Participant Name and telephone number |
| LIN\*CE1999123100002\*SH\*EL\*SH\*CE | Unique transaction reference number, enrollment request for electric generation services |
| ASI\*WQ\*021 | Accept Enrollment request |
| REF\*11\*2348400586 | ESP Account Number |
| REF\*12\*293839200 | LDC Account Number |
| REF\*4N\*N | LDC Payment Arrangement Status |
| REF\*BF\*18 | LDC Billing Cycle |
| REF\*BLT\*LDC | LDC consolidates the LDC and ESP charges |
| REF\*PC\*DUAL | Each party calculates its own charges (Bill Ready) |
| REF\*NR\*N | Budget Billing Status |
| REF\*SPL\*\*PJM192478939901287748 | Indicates PJM LMP Bus Number |
| DTM\*129\*19990401\*1430\*ET | Date/time/time zone customer agreed to obtain service from the Service Provider |
| DTM\*150\*19990425 | Estimated Start date |
| AMT\*7N\*1 | Participating interest |
| AMT\*QY\*1 | Eligible Load Percentage |
| AMT\*5J\*2 | Air conditioners in load cycling program |
| AMT\*L0\*1 | Water Heaters in load cycling program |
| AMT\*KC\*12.8 | Peak Load Capacity |
| AMT\*KZ\*14.1 | Network Service Peak Load |
| AMT\*LD\*12 | Number of months over which the total kWh and/or Peak Demand are calculated |
| AMT\*MA\*50 | Peak Demand |
| AMT\*TA\*125500 | Total kWh |
| NM1\*MQ\*3\*\*\*\*\*\*32\*123857G | Meter number |
| REF\*LO\*GS | LDC Load Profile |
| REF\*NH\*GS1 | LDC Rate class |
| REF\*PR\*123 | LDC Rate Subclass |
| REF\*TZ\*18 | LDC Meter Cycle |
| REF\*MT\*COMBO**\*I** | Meter Type |
| REF\*4P\*1\*KHMON | Meter constant on the kWh register |
| REF\*IX\*6.1\*KHMON | Number of dials/digits |
| REF\*TU\*41\*KHMON | Off Peak metering information sent on the 867 |
| REF\*TU\*42\*KHMON | On Peak metering information sent on the 867 |
| REF\*4P\*1\*K1MON | Meter constant on the demand (kW) register |
| REF\*IX\*5.0\*K1MON | Number of dials/digits |
| REF\*TU\*41\*K1MON | Off Peak metering information sent on the 867 |
| REF\*TU\*42\*K1MON | On Peak metering information sent on the 867 |
| NM1\*MQ\*3\*\*\*\*\*\*32\*218737S | Meter Number |
| REF\*LO\*GS | LDC Load Profile |
| REF\*NH\*GS1 | LDC Rate class |
| REF\*PR\*123 | LDC Rate Subclass |
| REF\*TZ\*18 | LDC Meter Cycle |
| REF\*MT\*KHMON | Meter Type |
| REF\*4P\*1\*KHMON | Meter Constant |
| REF\*IX\*5.0\*KHMON | Number of dials/digits |
| REF\*TU\*51\*KHMON | Totalized metering information sent on the 867 |
| LIN\* SI1999040111956532\*SH\*EL\*SH\*SI | Unique transaction reference number, request for electric Meter Information |
| ASI\*WQ\*021 | Request for inquiry was **Accepted** |
| REF\*11\*2348400586 | ESP Account Number |
| REF\*12\*293839200 | LDC Account Number |
| REF\*17\*SUMMARY | Summary/Interval Indicator |

**Scenario 3: ESP enrollment, requesting detailed interval data (account-level preference)**

**Bill-Ready EDI 814 enrollment from ESP**

|  |  |
| --- | --- |
| BGN\*13\*199904011956531\*19990401 | Request, unique transaction identification number, transaction creation date |
| N1\*8S\*LDC COMPANY\*1\*007909411\*\*40 | LDC Name, LDC DUNS information, receiver |
| N1\*SJ\*ESP COMPANY\*9\*007909422ESP1\*\*41 | ESP Name, ESP DUNS information, submitter |
| N1\*8R\*CUSTOMER NAME | Customer Name |
| LIN\*CE1999123100002\*SH\*EL\*SH\*CE | Unique transaction reference number, enrollment request for electric generation services |
| ASI\*7\*021 | Request for addition |
| REF\*11\*2348400586 | ESP Account Number |
| REF\*12\*293839200 | LDC Account Number |
| REF\*BLT\*LDC | LDC consolidates the LDC and ESP charges |
| REF\*PC\*DUAL | Each party calculates its own charges (Bill Ready) |
| DTM\*129\*19990401\*1430\*ET | Date/time/time zone customer agreed to obtain service from the Service Provider |
| AMT\*7N\*1 | Participating interest: |
| LIN\*SI1999040111956532\*SH\*EL\*SH\*SI | Unique transaction reference number, request for electric summary only interval data |
| ASI\*7\*021 | Request for addition |
| REF\*11\*2348400586 | ESP Account Number |
| REF\*12\*293839200 | LDC Account Number |
| REF\*17\*DETAIL | Summary/Interval Indicator |

**Bill-Ready EDI 814 enrollment response from EDC**

|  |  |
| --- | --- |
| BGN\*11\*199904020830531\*19990402\*\*\*199904011956531 | Response, unique transaction identification number, transaction creation date and original request transaction identification number |
| N1\*8S\*LDC COMPANY\*1\*007909411\*\*41 | LDC Name, LDC DUNS information, submitter |
| N1\*SJ\*ESP COMPANY\*9\*007909422ESP1\*\*40 | ESP Name, ESP DUNS information, receiver |
| N1\*8R\*CUSTOMER NAME\*92\*1210 | Customer Name and reference number |
| N3\*123 N MAIN ST\*FLR 13 | Service address |
| N4\*ANYTOWN\*PA\*18111 | City/State/Zip for Service Address. |
| PER\*IC\*MARY JONES\*TE\*8005559876 | Customer Contact name and telephone number |
| N1\*BT\*ACCOUNTS PAYABLE DEPT | Bill to party |
| N3\*100 WEST AVENUE | Bill to address |
| N4\*ANYTOWN\*PA\*18111 | Bill to City/State/Zip |
| PER\*IC\*KELLY WEST\*TE\*8005559876 | Bill To Contact name and telephone number |
| N1\*PK\*FRANK SMITH | Party to Receive Copy Name |
| N3\*459 AVENUE B | Party to Receive Copy Address |
| N4\*ANYTOWN\*PA\*18111 | Party to Receive Copy City/State/Zip |
| PER\*IC\*FRANK SMITH\*TE\*8005559876 | Party to Receive Copy Name |
| N1\*2C\*CAROL WRIGHT | Co-Participant Name |
| N3\*23948 MAIN STREET | Co-Participant Address |
| N4\*ANYTOWN\*PA\*18111 | Co-Participant City/State/Zip |
| PER\*IC\*CAROL WRIGHT\*TE\*8005559876 | Co-Participant Name and telephone number |
| LIN\*CE1999123100002\*SH\*EL\*SH\*CE | Unique transaction reference number, enrollment request for electric generation services |
| ASI\*WQ\*021 | Accept Enrollment request |
| REF\*11\*2348400586 | ESP Account Number |
| REF\*12\*293839200 | LDC Account Number |
| REF\*4N\*N | LDC Payment Arrangement Status |
| REF\*BF\*18 | LDC Billing Cycle |
| REF\*BLT\*LDC | LDC consolidates the LDC and ESP charges |
| REF\*PC\*DUAL | Each party calculates its own charges (Bill Ready) |
| REF\*NR\*N | Budget Billing Status |
| REF\*SPL\*\*PJM192478939901287748 | Indicates PJM LMP Bus Number |
| DTM\*129\*19990401\*1430\*ET | Date/time/time zone customer agreed to obtain service from the Service Provider |
| DTM\*150\*19990425 | Estimated Start date |
| AMT\*7N\*1 | Participating interest |
| AMT\*QY\*1 | Eligible Load Percentage |
| AMT\*5J\*2 | Air conditioners in load cycling program |
| AMT\*L0\*1 | Water Heaters in load cycling program |
| AMT\*KC\*12.8 | Peak Load Capacity |
| AMT\*KZ\*14.1 | Network Service Peak Load |
| AMT\*LD\*12 | Number of months over which the total kWh and/or Peak Demand are calculated |
| AMT\*MA\*50 | Peak Demand |
| AMT\*TA\*125500 | Total kWh |
| NM1\*MQ\*3\*\*\*\*\*\*32\*123857G | Meter number |
| REF\*LO\*GS | LDC Load Profile |
| REF\*NH\*GS1 | LDC Rate class |
| REF\*PR\*123 | LDC Rate Subclass |
| REF\*TZ\*18 | LDC Meter Cycle |
| REF\*MT\*COMBO**\*I** | Meter Type |
| REF\*4P\*1\*KHMON | Meter constant on the kWh register |
| REF\*IX\*6.1\*KHMON | Number of dials/digits |
| REF\*TU\*41\*KHMON | Off Peak metering information sent on the 867 |
| REF\*TU\*42\*KHMON | On Peak metering information sent on the 867 |
| REF\*4P\*1\*K1MON | Meter constant on the demand (kW) register |
| REF\*IX\*5.0\*K1MON | Number of dials/digits |
| REF\*TU\*41\*K1MON | Off Peak metering information sent on the 867 |
| REF\*TU\*42\*K1MON | On Peak metering information sent on the 867 |
| NM1\*MQ\*3\*\*\*\*\*\*32\*218737S | Meter Number |
| REF\*LO\*GS | LDC Load Profile |
| REF\*NH\*GS1 | LDC Rate class |
| REF\*PR\*123 | LDC Rate Subclass |
| REF\*TZ\*18 | LDC Meter Cycle |
| REF\*MT\*KHMON | Meter Type |
| REF\*4P\*1\*KHMON | Meter Constant |
| REF\*IX\*5.0\*KHMON | Number of dials/digits |
| REF\*TU\*51\*KHMON | Totalized metering information sent on the 867 |
| LIN\* SI1999040111956532\*SH\*EL\*SH\*SI | Unique transaction reference number, request for electric Meter Information |
| ASI\*WQ\*021 | Request for inquiry was **Accepted** |
| REF\*11\*2348400586 | ESP Account Number |
| REF\*12\*293839200 | LDC Account Number |
| REF\*17\*DETAIL | Summary/Interval Indicator |

**Scenario 4: ESP enrollment, requesting detailed interval data at the meter level, plus a secondary HU request**

**Bill-Ready EDI 814 enrollment from ESP**

|  |  |
| --- | --- |
| BGN\*13\*199904011956531\*19990401 | Request, unique transaction identification number, transaction creation date |
| N1\*8S\*LDC COMPANY\*1\*007909411\*\*40 | LDC Name, LDC DUNS information, receiver |
| N1\*SJ\*ESP COMPANY\*9\*007909422ESP1\*\*41 | ESP Name, ESP DUNS information, submitter |
| N1\*8R\*CUSTOMER NAME | Customer Name |
| LIN\*CE1999123100002\*SH\*EL\*SH\*CE | Unique transaction reference number, enrollment request for electric generation services |
| ASI\*7\*021 | Request for addition |
| REF\*11\*2348400586 | ESP Account Number |
| REF\*12\*293839200 | LDC Account Number |
| REF\*BLT\*LDC | LDC consolidates the LDC and ESP charges |
| REF\*PC\*DUAL | Each party calculates its own charges (Bill Ready) |
| DTM\*129\*19990401\*1430\*ET | Date/time/time zone customer agreed to obtain service from the Service Provider |
| AMT\*7N\*1 | Participating interest: |
| LIN\*SI1999040111956532\*SH\*EL\*SH\*SI | Unique transaction reference number, request for electric summary only interval data |
| ASI\*7\*021 | Request for addition |
| REF\*11\*2348400586 | ESP Account Number |
| REF\*12\*293839200 | LDC Account Number |
| REF\*17\*METERDETAIL | Summary/Interval Indicator |
| LIN\* SI1999040111956533\*SH\*EL\*SH\*HU | Unique transaction reference number, request for electric Historical Usage |
| ASI\*7\*029 | Request for inquiry |
| REF\*11\*2348400586 | ESP Account Number |
| REF\*12\*293839200 | LDC Account Number |

**Bill-Ready EDI 814 enrollment response from EDC**

|  |  |
| --- | --- |
| BGN\*11\*199904020830531\*19990402\*\*\*199904011956531 | Response, unique transaction identification number, transaction creation date and original request transaction identification number |
| N1\*8S\*LDC COMPANY\*1\*007909411\*\*41 | LDC Name, LDC DUNS information, submitter |
| N1\*SJ\*ESP COMPANY\*9\*007909422ESP1\*\*40 | ESP Name, ESP DUNS information, receiver |
| N1\*8R\*CUSTOMER NAME\*92\*1210 | Customer Name and reference number |
| N3\*123 N MAIN ST\*FLR 13 | Service address |
| N4\*ANYTOWN\*PA\*18111 | City/State/Zip for Service Address. |
| PER\*IC\*MARY JONES\*TE\*8005559876 | Customer Contact name and telephone number |
| N1\*BT\*ACCOUNTS PAYABLE DEPT | Bill to party |
| N3\*100 WEST AVENUE | Bill to address |
| N4\*ANYTOWN\*PA\*18111 | Bill to City/State/Zip |
| PER\*IC\*KELLY WEST\*TE\*8005559876 | Bill To Contact name and telephone number |
| N1\*PK\*FRANK SMITH | Party to Receive Copy Name |
| N3\*459 AVENUE B | Party to Receive Copy Address |
| N4\*ANYTOWN\*PA\*18111 | Party to Receive Copy City/State/Zip |
| PER\*IC\*FRANK SMITH\*TE\*8005559876 | Party to Receive Copy Name |
| N1\*2C\*CAROL WRIGHT | Co-Participant Name |
| N3\*23948 MAIN STREET | Co-Participant Address |
| N4\*ANYTOWN\*PA\*18111 | Co-Participant City/State/Zip |
| PER\*IC\*CAROL WRIGHT\*TE\*8005559876 | Co-Participant Name and telephone number |
| LIN\*CE1999123100002\*SH\*EL\*SH\*CE | Unique transaction reference number, enrollment request for electric generation services |
| ASI\*WQ\*021 | Accept Enrollment request |
| REF\*11\*2348400586 | ESP Account Number |
| REF\*12\*293839200 | LDC Account Number |
| REF\*4N\*N | LDC Payment Arrangement Status |
| REF\*BF\*18 | LDC Billing Cycle |
| REF\*BLT\*LDC | LDC consolidates the LDC and ESP charges |
| REF\*PC\*DUAL | Each party calculates its own charges (Bill Ready) |
| REF\*NR\*N | Budget Billing Status |
| REF\*SPL\*\*PJM192478939901287748 | Indicates PJM LMP Bus Number |
| DTM\*129\*19990401\*1430\*ET | Date/time/time zone customer agreed to obtain service from the Service Provider |
| DTM\*150\*19990425 | Estimated Start date |
| AMT\*7N\*1 | Participating interest |
| AMT\*QY\*1 | Eligible Load Percentage |
| AMT\*5J\*2 | Air conditioners in load cycling program |
| AMT\*L0\*1 | Water Heaters in load cycling program |
| AMT\*KC\*12.8 | Peak Load Capacity |
| AMT\*KZ\*14.1 | Network Service Peak Load |
| AMT\*LD\*12 | Number of months over which the total kWh and/or Peak Demand are calculated |
| AMT\*MA\*50 | Peak Demand |
| AMT\*TA\*125500 | Total kWh |
| NM1\*MQ\*3\*\*\*\*\*\*32\*123857G | Meter number |
| REF\*LO\*GS | LDC Load Profile |
| REF\*NH\*GS1 | LDC Rate class |
| REF\*PR\*123 | LDC Rate Subclass |
| REF\*TZ\*18 | LDC Meter Cycle |
| REF\*MT\*COMBO**\*I** | Meter Type |
| REF\*4P\*1\*KHMON | Meter constant on the kWh register |
| REF\*IX\*6.1\*KHMON | Number of dials/digits |
| REF\*TU\*41\*KHMON | Off Peak metering information sent on the 867 |
| REF\*TU\*42\*KHMON | On Peak metering information sent on the 867 |
| REF\*4P\*1\*K1MON | Meter constant on the demand (kW) register |
| REF\*IX\*5.0\*K1MON | Number of dials/digits |
| REF\*TU\*41\*K1MON | Off Peak metering information sent on the 867 |
| REF\*TU\*42\*K1MON | On Peak metering information sent on the 867 |
| NM1\*MQ\*3\*\*\*\*\*\*32\*218737S | Meter Number |
| REF\*LO\*GS | LDC Load Profile |
| REF\*NH\*GS1 | LDC Rate class |
| REF\*PR\*123 | LDC Rate Subclass |
| REF\*TZ\*18 | LDC Meter Cycle |
| REF\*MT\*KHMON | Meter Type |
| REF\*4P\*1\*KHMON | Meter Constant |
| REF\*IX\*5.0\*KHMON | Number of dials/digits |
| REF\*TU\*51\*KHMON | Totalized metering information sent on the 867 |
| LIN\* SI1999040111956532\*SH\*EL\*SH\*SI | Unique transaction reference number, request for electric Meter Information |
| ASI\*WQ\*021 | Request for inquiry was **Accepted** |
| REF\*11\*2348400586 | ESP Account Number |
| REF\*12\*293839200 | LDC Account Number |
| REF\*17\*METERDETAIL | Summary/Interval Indicator |

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*PECO would also send an EDI 814 HU response (acceptance) and EDI 867 HU (not shown).*

**Scenario 5: For NON-INTERVAL account: ESP enrollment, requesting detailed interval data**

**Bill-Ready EDI 814 enrollment from ESP**

|  |  |
| --- | --- |
| BGN\*13\*199904011956531\*19990401 | Request, unique transaction identification number, transaction creation date |
| N1\*8S\*LDC COMPANY\*1\*007909411\*\*40 | LDC Name, LDC DUNS information, receiver |
| N1\*SJ\*ESP COMPANY\*9\*007909422ESP1\*\*41 | ESP Name, ESP DUNS information, submitter |
| N1\*8R\*CUSTOMER NAME | Customer Name |
| LIN\*CE1999123100002\*SH\*EL\*SH\*CE | Unique transaction reference number, enrollment request for electric generation services |
| ASI\*7\*021 | Request for addition |
| REF\*11\*2348400586 | ESP Account Number |
| REF\*12\*293839200 | LDC Account Number |
| REF\*BLT\*LDC | LDC consolidates the LDC and ESP charges |
| REF\*PC\*DUAL | Each party calculates its own charges (Bill Ready) |
| DTM\*129\*19990401\*1430\*ET | Date/time/time zone customer agreed to obtain service from the Service Provider |
| AMT\*7N\*1 | Participating interest: |
| LIN\*SI1999040111956532\*SH\*EL\*SH\*SI | Unique transaction reference number, request for electric summary only interval data |
| ASI\*7\*021 | Request for addition |
| REF\*11\*2348400586 | ESP Account Number |
| REF\*12\*293839200 | LDC Account Number |
| REF\*17\*DETAIL | Summary/Interval Indicator |

**Bill-Ready EDI 814 enrollment response from EDC**

|  |  |
| --- | --- |
| BGN\*11\*199904020830531\*19990402\*\*\*199904011956531 | Response, unique transaction identification number, transaction creation date and original request transaction identification number |
| N1\*8S\*LDC COMPANY\*1\*007909411\*\*41 | LDC Name, LDC DUNS information, submitter |
| N1\*SJ\*ESP COMPANY\*9\*007909422ESP1\*\*40 | ESP Name, ESP DUNS information, receiver |
| N1\*8R\*CUSTOMER NAME\*92\*1210 | Customer Name and reference number |
| N3\*123 N MAIN ST\*FLR 13 | Service address |
| N4\*ANYTOWN\*PA\*18111 | City/State/Zip for Service Address. |
| PER\*IC\*MARY JONES\*TE\*8005559876 | Customer Contact name and telephone number |
| N1\*BT\*ACCOUNTS PAYABLE DEPT | Bill to party |
| N3\*100 WEST AVENUE | Bill to address |
| N4\*ANYTOWN\*PA\*18111 | Bill to City/State/Zip |
| PER\*IC\*KELLY WEST\*TE\*8005559876 | Bill To Contact name and telephone number |
| N1\*PK\*FRANK SMITH | Party to Receive Copy Name |
| N3\*459 AVENUE B | Party to Receive Copy Address |
| N4\*ANYTOWN\*PA\*18111 | Party to Receive Copy City/State/Zip |
| PER\*IC\*FRANK SMITH\*TE\*8005559876 | Party to Receive Copy Name |
| N1\*2C\*CAROL WRIGHT | Co-Participant Name |
| N3\*23948 MAIN STREET | Co-Participant Address |
| N4\*ANYTOWN\*PA\*18111 | Co-Participant City/State/Zip |
| PER\*IC\*CAROL WRIGHT\*TE\*8005559876 | Co-Participant Name and telephone number |
| LIN\*CE1999123100002\*SH\*EL\*SH\*CE | Unique transaction reference number, enrollment request for electric generation services |
| ASI\*WQ\*021 | Accept Enrollment request |
| REF\*11\*2348400586 | ESP Account Number |
| REF\*12\*293839200 | LDC Account Number |
| REF\*4N\*N | LDC Payment Arrangement Status |
| REF\*BF\*18 | LDC Billing Cycle |
| REF\*BLT\*LDC | LDC consolidates the LDC and ESP charges |
| REF\*PC\*DUAL | Each party calculates its own charges (Bill Ready) |
| REF\*NR\*N | Budget Billing Status |
| REF\*SPL\*\*PJM192478939901287748 | Indicates PJM LMP Bus Number |
| DTM\*129\*19990401\*1430\*ET | Date/time/time zone customer agreed to obtain service from the Service Provider |
| DTM\*150\*19990425 | Estimated Start date |
| AMT\*7N\*1 | Participating interest |
| AMT\*QY\*1 | Eligible Load Percentage |
| AMT\*5J\*2 | Air conditioners in load cycling program |
| AMT\*L0\*1 | Water Heaters in load cycling program |
| AMT\*KC\*12.8 | Peak Load Capacity |
| AMT\*KZ\*14.1 | Network Service Peak Load |
| AMT\*LD\*12 | Number of months over which the total kWh and/or Peak Demand are calculated |
| AMT\*MA\*50 | Peak Demand |
| AMT\*TA\*125500 | Total kWh |
| NM1\*MQ\*3\*\*\*\*\*\*32\*123857G | Meter number |
| REF\*LO\*GS | LDC Load Profile |
| REF\*NH\*GS1 | LDC Rate class |
| REF\*PR\*123 | LDC Rate Subclass |
| REF\*TZ\*18 | LDC Meter Cycle |
| REF\*MT\*COMBO\*M | Meter Type |
| REF\*4P\*1\*KHMON | Meter constant on the kWh register |
| REF\*IX\*6.1\*KHMON | Number of dials/digits |
| REF\*TU\*41\*KHMON | Off Peak metering information sent on the 867 |
| REF\*TU\*42\*KHMON | On Peak metering information sent on the 867 |
| REF\*4P\*1\*K1MON | Meter constant on the demand (kW) register |
| REF\*IX\*5.0\*K1MON | Number of dials/digits |
| REF\*TU\*41\*K1MON | Off Peak metering information sent on the 867 |
| REF\*TU\*42\*K1MON | On Peak metering information sent on the 867 |
| NM1\*MQ\*3\*\*\*\*\*\*32\*218737S | Meter Number |
| REF\*LO\*GS | LDC Load Profile |
| REF\*NH\*GS1 | LDC Rate class |
| REF\*PR\*123 | LDC Rate Subclass |
| REF\*TZ\*18 | LDC Meter Cycle |
| REF\*MT\*KHMON | Meter Type |
| REF\*4P\*1\*KHMON | Meter Constant |
| REF\*IX\*5.0\*KHMON | Number of dials/digits |
| REF\*TU\*51\*KHMON | Totalized metering information sent on the 867 |
| LIN\* SI1999040111956532\*SH\*EL\*SH\*SI | Unique transaction reference number, request for electric Meter Information |
| ASI\*U\*021 | Request for inquiry was Rejected |
| REF\*7G\*NIA\*NOT INTERVAL ACCOUNT | Status reason code |
| REF\*11\*2348400586 | ESP Account Number |
| REF\*12\*293839200 | LDC Account Number |