Central Maine Power Company

Electronic Data Interchange

Test Diagrams

For

Trading Partner

Certification

August 27, 2007

Version 1.7

Test Diagrams

The following Test Diagrams describe business scenarios and the mapping of the Electronic Data Interchange (EDI) segments and data elements for Central Maine Power Company (CMP). These examples serve to illustrate doing business via EDI with CMP. Each Competitive Electricity Provider (CEP) who is registered for certification testing will receive a spreadsheet containing the appropriate customer account data to start the testing process. CEP is sometimes referred to as Energy Service Provider (ESP) in other states. The CEP should then follow the Maine EBT Implementation Guidelines available on the CMP website. The tables in this document include the proposed schedule for CEP EDI Certification Testing. CMP will send a 997 Functional Acknowledgement response for each transaction received and expects to receive a 997 from a CEP for each transaction sent.

Conventions Used In This Document
In the sample test diagrams, literal values for data elements are in **BOLD** type; variable data elements are in *ITALICS*; and SHADING is used in two variations: 1) indicates repeating loops; 2) to distinguish business scenarios (820). Element separators and terminators used in this document are not required as shown.

The test diagrams reflect mandatory data. CMP does send optional data when available. A CEP should refer to **Appendix C,** **The Maine Implementation Guidelines** to identify which fields are optional.

Annual CEP Notification from CMP :
Once a year, CMP will send active Trading Partners an EDI Change Distribution Company Data (814-3) transaction for each enrolled account number with the recalculated ICAP Tag values. It is the only time the 814-3 Change Distribution Company Data transaction contains the Nepool Peak date found in the DTM040 segment with DTM01 date qualifier 007.

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Test Schedule for LDC Billing Option*

Day 1	**CEP sends Files 1A and 2A to CMP** **CMP sends CEP the 997 Functional Acknowledgements upon receipt of Files 1A & 2A** ▪ File 1A-Contains Enrollments 814-1 and a Request for Historical Usage Data 814-10 ▪ File 2A-Contains a Change Supplier Company Data 814-2, a CEP Drop Customer 814-8, another Enrollment 814-1 and a Historical Usage Request 814-10
Day 2	**CMP internally processes File 1A and 2A and** **CMP sends CEP Files 1B and 2B** **CEP sends CMP the 997 Functional Acknowledgements upon receipt of File 1B and 2B** ▪ File 1B-Contains Successful Enrollments 814-4's , a Customer Usage Response 867, an Error Response 814-6 to a 814-1 , a Change Confirmation 814-11 to a 814-2 in File 2A, and an Drop Date Confirmation 814-9 ▪ File 2B-Contains a Change Distribution Company Data 814-3, a Customer Move 814-5, a Customer Drops CEP 814-7
Day 3	**CEP internally processes File 1B and 2B** **CEP sends File 2C#1- 814-11 Change Confirmation Response for the 814-3 Change Distribution Data transaction sent in file 2B** **CEP sends File 2C#2 an 814-12 Cancel a Pending Drop to cancel the original 814-8 CEP Drop Customer request sent in File 2A** **CEP sends CMP the 997 Functional Acknowledgements upon receipt of File 1B and 2B** **CMP internally processes File 2C**
Day 4	**CMP sends Files 3B (810's) and 4B (820) and 2D#1 an 814-13 Confirm Cancel Drop transaction** **CMP sends an 820 with a mandatory segment missing, this should trigger a 997 Functional Acknowledgement reject transaction from the CEP** **CEP sends CMP the 997 Functional Acknowledgements upon receipt of Files 3B and 4B and 2D** ▪ File 3B-Contains usage and/or billing information. 810-1-Dual, 810-2-LDC ▪ File 4B-Contains Payment Remittance data 820-1**.** ▪ File 2D –Contains one 814-13 Confirm Cancel transaction
Day 5	**CEP internally processes File 3B and 4B and 2D** **CEP sends File 3A** **CEP sends 997FA reject for 820** **CMP sends CEP the 997 Functional Acknowledgements upon receipt of File 3A** ▪ File 3A-Contains Error Response(s) 824-1. The error responses are triggered from File 3B and File 4B
Day 6	▪ **CMP internally processes File 3A** ▪ Repeat any portions of test not successful ▪ Sign Off - CEP and CMP sign off on Certification Test Acceptance Form

Test Schedule for DUAL Billing Option*

Day 1	**CEP sends Files 1A and 2A and 6A to CMP** **CMP sends CEP the 997 Functional Acknowledgements upon receipt of Files 1A & 2A& 6A** ▪ File 1A-Contains two 814-1 Enrollments ▪ File 2A-Contains a Change CEP Company Data 814-2, a CEP Drop Customer 814-8, another Enrollment 814-1 (Triggers an 814-6 Error Response) ▪ File 6A-Contains one 814-10 CEP Historical Usage Request
Day 2	**CMP internally processes File 1A and 2A & 6A** **CMP sends File 1B & File 2B & File 6B** **CEP sends CMP the 997 Functional Acknowledgements upon receipt of File 1B & File 2B and 6B** ▪ File 1B-Contains Successful Enrollments 814-4 , an Error Response 814-6 to 814-1 in File 2A, and a Drop Date Confirmation 814-9 ▪ File 2B-Contains a Change Distribution Company Data 814-3, a Seamless Move 814-5, a Customer Drops CEP 814-7 ▪ File 6B-Contains one 867 Historical Use Response
Day 3	**CEP internally processes File 1B& File 2B &6B** **CEP sends File 2C#1- 814-11 Change Confirmation Response for the 814-3 Change Distribution Data transaction sent in file 2B** **CEP sends File 2C#2 an 814-12 Cancel a Pending Drop to cancel the original 814-8 CEP Drop Customer Request sent in File 2A** **CEP sends CMP the 997 Functional Acknowledgement upon receipt of File 1B, 2B and 6B** **CMP sends Files 3B** File 3B-Contains usage information. 810-1-Dual **CMP sends an 810-1 with a mandatory segment missing, this should trigger a 997 Functional Acknowledgement reject transaction** **CMP sends 2D#1 814-13 Confirm Cancel Drop Response to 2C#2** • File 2D#1 Confirm Cancel Drop Response to File 2C#2
Day 4	**CEP internally processes File 3B and File2D#1** **CEP sends File 3A** **CEP sends 997FA reject for 810-1** **CEP sends 997FA for File 3B and File 2D#1** **CMP sends CEP the 997 Functional Acknowledgements upon receipt of File 3A and 2C** ▪ File 3A-Contains Error Response 824-1. The error responses are triggered from File 3B
Day 5	▪ **CMP internally processes File 3A** ▪ Repeat any portions of test not successful ▪ Sign Off - CEP and CMP sign off on Certification Test Acceptance Form

*A Files are Inbound to CMP, B Files are outbound to a CEP

Test Schedule for Standard Offer Providers (SOP)

Note: Standard Offer Providers will receive daily settlement data via E-mail.

Day 1	**CMP sends SOP File 5B** **SOP sends CMP the 997 Functional Acknowledgements upon receipt of File 5B** ▪ File 5B-Contains the daily Usage and Billing Invoice 810-3 for Standard Offer Providers
Day 2	**SOP processes File 5B and** **SOP sends File 5A** **CMP sends SOP the 997 Functional Acknowledgements upon receipt of File 5A** ▪ File 5A Contains an Error Response 824 from the SOP
Day 3	**CMP processes File 5A**
Day 4	▪ Repeat any portions of test not successful ▪ Sign off - Standard Offer Provider and CMP sign off on Certification Test Acceptance Form

Test Schedule for 814-10 Request for Customer Usage & 867 Usage Response

Day 1	**CEP sends File 6A** **CMP sends CEP the 997 Functional Acknowledgements upon receipt of File 6A** ▪ File 6A contains the Requests for Customer Historical Usage 814-10
Day 2	**CMP internally processes File 6A and** **CMP sends File 6B** **CEP sends CMP the 997 Functional Acknowledgements upon receipt of File 6B** ▪ File 6B contains the Responses for the Customer Usage Requests 867
Day 3	▪ Repeat any portions of test not successful ▪ Sign off – CEP and CMP sign off on Certification Test Acceptance Form

Sample Test Diagrams (814-1) CEP sends an Enrollment to CMP

File ID – 1A(814-1)

Transactions # 1 to # 6- 814-1 CEP Enrollments

Transaction #1
Day #1

This is an example of an 814-1. A CEP is enrolling a customer with a single service and Dual (separate) Billing Option.

BGN^**13**^*UNIQUE TRACKING NUMBER^FILE DATE*!	Enrollment request
N1^**8S^^1**^*CMP DUNS NUMBER*!	CMP DUNS number
N1^**SJ^^9**^*CEP DUNS +4 NUMBER*!	CEP DUNS +4 number
LIN^LINE ITEM^**SH^EL**!	Enrollment
ASI^**7^021**!	Request
REF^**11**^*CEP ACCOUNT NUMBER!*	CEP customer account
REF^**12**^*CMP ACCOUNT NUMBER*!	CMP customer account
REF^**BLT^DUAL**!	Billing Option
NM1^**MQ^3**!	
REF^**PRT^A**!	Type of service indicator

File ID – 1A

Transaction #2
Day #1

This is an example of an 814-1. A CEP is enrolling a customer with a single service and Consolidated Billing Option.

BGN^**13**^*UNIQUE TRACKING NUMBER^FILE DATE*!	Enrollment request
N1^**8S^^1**^*CMP DUNS NUMBER*!	CMP DUNS number
N1^**SJ^^9**^*CEP DUNS +4 NUMBER*!	CEP DUNS +4 number
LIN^LINE ITEM^**SH^EL**!	Enrollment
ASI^**7^021**!	Request
REF^**11**^*CEP ACCOUNT NUMBER!*	CEP customer account
REF^**12**^*CMP ACCOUNT NUMBER*!	CMP customer account
REF^**BLT^LDC**!	Billing option
NM1^**MQ^3**!	
REF^**PRT^A**!	Type of service indicator
REF^**RB**^*CEP RATE CODE*!	CEP rate code

File ID – 1A

Transaction #3
Day #1

This is an example of an 814-1. A CEP is enrolling a customer with multiple services with Dual Billing Option

BGN^**13**^*UNIQUE TRACKING NUMBER^FILE DATE*!	Enrollment request
N1^**8S^^1**^*CMP DUNS NUMBER*!	CMP DUNS number
N1^**SJ^^9**^*CEP DUNS +4NUMBER!*	CEP DUNS +4 number
LIN^*LINE ITEM*^**SH^EL**!	Enrollment
ASI^**7^021**!	Request
REF^**11**^*CEP ACCOUNT NUMBER*!	CEP customer account no
REF^**12**^*CMP ACCOUNT NUMBER*!	CMP customer account no
REF^**BLT^DUAL**!	Billing Option
NM1^**MQ^3**!	
REF^**PRT^A**!	Type of service indicator

File ID – 1A

Transaction #4
Day #1

This is an example of an 814-1. A CEP is enrolling a customer with multiple services and Consolidated Billing Option

BGN^**13**^*UNIQUE TRACKING NUMBER^FILE DATE*!	Enrollment request
N1^**8S^^1**^*CMP DUNS NUMBER*!	CMP DUNS number
N1^**SJ^^9**^*CEP DUNS +4NUMBER!*	CEP DUNS +4 number
LIN^*LINE ITEM*^**SH^EL**!	Enrollment
ASI^**7^021**!	Request
REF^**11**^*CEP ACCOUNT NUMBER*!	CEP customer account number
REF^**12**^*CMP ACCOUNT NUMBER*!	CMP customer account number
REF^**BLT^LDC**!	Billing option
NM1^**MQ^3**!	
REF^**PRT^A**!	Type of service indicator
REF^**RB**^*CEP RATE CODE*!	CEP rate code

File ID – 1A

Transaction #5
Day #1

This is an example of an 814-1. A CEP is enrolling a customer with multiple services (two meters) with Consolidated Billing Option.

BGN^**13**^*UNIQUE TRACKING NUMBER^FILE DATE*!	Enrollment request
N1^**8S^^1**^*CMP DUNS NUMBER*!	CMP DUNS number
N1^**SJ^^9**^*CEP DUNS +4NUMBER!*	CEP DUNS +4 number
LIN^*LINE ITEM*^**SH^EL**!	Enrollment
ASI^**7^021**!	Request
REF^**11**^*CEP ACCOUNT NUMBER*!	CEP customer account number
REF^**12**^*CMP ACCOUNT NUMBER*!	CMP customer account number
REF^**BLT^LDC**!	Billing option
NM1^**MQ^3**!	
REF^**PRT^A**!	Type of service indicator
REF^**RB**^*CEP RATE CODE*!	CEP rate code

File ID – 1A

Transaction #6
Day #1

This is an example of an 814-1. A CEP is enrolling a customer with a Single Service and Request for Historical Usage Data with Consolidated Billing Option.

BGN^**13**^*UNIQUE TRACKING NUMBER^FILE DATE*!	Enrollment request
N1^**8S^^1**^*CMP DUNS NUMBER*!	CMP DUNS number
N1^**SJ^^9**^*CEP DUNS +4 NUMBER*!	CEP DUNS +4 number
LIN^*LINE ITEM COUNTER*^**SH^EL^SH^HU**!	Enrollment & historical usage requested
ASI^**7^021**!	Request
REF^**11**^*CEP ACCOUNT NUMBER*!	CEP customer account number
REF^**12**^*CMP ACCOUNT NUMBER*!	CMP customer account number
REF^**BLT^LDC**!	Billing Option
NM1^**MQ^3**!	
REF^**PRT^A**!	Type of service indicator
REF^**RB**^*CEP RATE CODE*!	CEP rate code

Test Diagram (Transaction Set 814)

File ID – 2A (814-2, 814-8, 814-1, 814-10)

Transaction #1: 814-2 (Change Supplier Company Data)
Transaction #2: 814-8 (CEP Drops Customer)
Transaction #3: 814-1 (CEP Enrolls a Customer)
Transaction #4: 814-10 (Historical Usage Request)
Transaction #5: 814-1 (CEP Enrolls a Customer)

File ID – 2A

Transaction #1
Day #1

This is an example of an 814-2. A CEP is requesting a Billing Option change from LDC to Dual

BGN^**13^***UNIQUE TRACKING NUMBER^FILE DATE*!	CEP change request
N1^**8S^^1^***CMP DUNS NUMBER*!	CMP DUNS number
N1^**SJ^^9^***CEP DUNS +4NUMBER*!	CEP DUNS +4 number
LIN^*LINE ITEM*^**SH^EL**!	
ASI^**7^001**!	Change request
REF^**12^***CMP ACCOUNT NUMBER*!	CMP customer account number
REF^**11^***CEP ACCOUNT NUMBER*!	CEP customer account number
REF^**TD^REFBLT**!	Billing opt-change request
REF^**BLT^DUAL**!	Billing Option
NM1^**MQ^3**!	
REF^**PRT^***A*!	Indicates what type of service(s)

File ID – 2A

Transaction #2
Day # 1

This is an example of an 814-8. A CEP is requesting to drop a customer. This customer has a single meter with Consolidated Billing Option. The CEP has requested an ***actual read*** for the off cycle drop request.

BGN^**13**^*UNIQUE TRACKING NO^FILE DATE*!	CEP drop customer request
N1^**8S**^^**1**^*CMP DUNS NUMBER*!	CMP DUNS number
N1^**SJ**^^**9**^*CEP DUNS +4 NUMBER*!	CEP DUNS +4 number
LIN^*LINE ITEM*^**SH^EL**!	Drop requested
ASI^**7**^**024**!	CEP drop customer
REF^**12**^*CMP ACCOUNT NUMBER*!	CMP customer account number
REF^**11**^*CEP ACCOUNT NUMBER*!	CEP customer account number
DTM^**MRR**^*OFF CYCLE READ DATE!*	Indicates the date of the drop and if the off cycle reading is an actual or prorate read.
NM1^**MQ**^**3**!	
REF^**PRT**^**A**!	Indicates what type of service(s)

File ID – 2A

Transaction #3
Day #1

This is example of an 814-1. A CEP is enrolling a customer with Single Service with Consolidated Billing Option. This will trigger an 814-6 Error response in File 1B#9 **- "Customer already enrolled with this CEP."**

BGN^**13**^*UNIQUE TRACKING NO^FILE DATE*!	Enrollment request
N1^**8S^^1**^*CMP DUNS NUMBER*!	CMP DUNS number
N1^**SJ^^9**^*CEP DUNS +4 NUMBER*!	CEP DUNS +4 number
LIN^*LINE ITEM COUNTER*^**SH^EL**!	Enrollment & historical usage requested
ASI^**7^021**!	Request
REF^**12**^*CMP ACCOUNT NUMBER*!	CMP customer account no
REF^**11**^*CEP ACCOUNT NUMBER*!	CEP customer account no
REF^**BLT^LDC**!	Billing Option
NM1^**MQ^3**!	
REF^**PRT^A**!	Type of service indicator
REF^**RB**^*CEP RATE CODE*!	CEP rate code

File ID – 2A

Transaction #4
Day #1

This is an example of an 814-10. This is a request from a CEP for Customer Usage Data for a single kWh meter.

BGN^**13**^*UNIQUE TRACKING NO^FILE DATE*!	Request
N1^**8S**^^**1**^*CMP DUNS NUMBER*!	CMP DUNS number
N1^**SJ**^^**9**^*CEP DUNS +4 NUMBER*!	CEP DUNS +4 number
LIN^*LINE ITEM COUNTER*^**SH^EL^SH^HU**!	Historical usage requested
ASI^**7**^**066**!	Historical usage request
REF^**12**^*CMP ACCOUNT NUMBER*!	CMP customer account
NM1^**MQ^3**!	
REF^**PRT^A**!	Type of service indicator

File ID – 2A

Transaction #5
Day #1

This is an example of an 814-1. A CEP is enrolling a customer with a single service and Dual (separate) Billing Option. This will trigger an 814-6 Error response in File 1B#11.

BGN^**13**^*UNIQUE TRACKING NUMBER^FILE DATE*!	Enrollment request
N1^**8S**^^**1**^*CMP DUNS NUMBER*!	CMP DUNS number
N1^**SJ**^^**9**^*CEP DUNS +4 NUMBER*!	CEP DUNS +4 number
LIN^*LINE ITEM*^**SH**^**EL**!	Enrollment
ASI^**7**^**021**!	Request
REF^**11**^*CEP ACCOUNT NUMBER!*	CMP customer account
REF^**12**^*CMP ACCOUNT NUMBER*!	CEP customer account
REF^**BLT**^**DUAL**!	Billing Option
NM1^**MQ**^**3**!	
REF^**PRT**^**A**!	Type of service indicator

Test Diagram (Transaction Set 814)

File ID – 1B- (814-4, 867's, 814-6's, 814-9)

Transaction #1 to #6:   814-4 (Successful Enrollment Responses to File 1A)

Transaction #7:   867 (Usage response to 814-1 enrollment w/ a Request for Customer Usage in File ID-1A#6)

Transaction #8:   867 (Usage response to 814-10 Request for Customer Usage in File ID-2A#4)

Transaction #9:   814-6 (Error Response)

Transaction #10   814-9 (Drop Date Confirmation)

Transaction #11   814-6 (Error Response) Dual

Transaction #1
Day #2

This is an example of an 814-4. CMP is sending a Successful Enrollment response back to the CEP for a single service with Dual Billing Option.

BGN^**06**^*UNIQUE TRACKING NUMBER*^*FILE DATE*!	Enrollment response
N1^**8S**^^**1**^*CMP DUNS NUMBER*!	CMP DUNS number
N1^**SJ**^^**9**^*CEP DUNS +4 NUMBER*!	CEP DUNS +4 number
N1^**BT**^**NV**!	No customer name sent
N3^*1ST LINE OF CUSTOMER MAILING ADDRESS*!	1st line of customer's mailing address
N4^*CITY*^*STATE*^*ZIP CODE*!	Additional customer mailing information
LIN^*LINE ITEM*^**SV**^**EL**!	Indicates electric service
ASI^**WQ**^**021**!	Indicates successful enrollment
REF^**12**^*CMP ACCOUNT NUMBER*!	CMP customer account number
REF^**11**^*CEP ACCOUNT NUMBER*!	CEP customer account number
REF^**BLT**^**DUAL**!	Billing option
REF^**KC**^NO ICAP TAG	
REF^**7G**^**A13**^**100**!	Indicates successful enrollment
DTM^**186**^*EFFECTIVE DATE*!	Effective date of enrollment
AMT^**KC**^	ICAP tag
NM1^**MQ**^**3**!	
REF^**PRT**^*TYPE OF SERVICE INDICATOR*!	Type of service indicator
REF^**SPL**^*STANDARD POINT LOCATION*!	Point customer is connected to ISO-NE grid
REF^**65**^*READ CYCLE*!	Read cycle
REF^**TX**^*N*!	Type of sales tax indicator-exempt
REF^**MG**^*METER NUMBER*!	Meter number
REF^**NH**^*CMP COMPANY RATE CODE*!	CMP company rate code

File ID – 1B

This is an example of an 814-4. CMP is sending a Successful Enrollment response back to the CEP for a single service with Consolidated Billing Option.

Transaction #2
Day #2

BGN^**06**^*UNIQUE TRACKING NUMBER^FILE DATE*!	Enrollment response
N1^**8S**^^**1**^*CMP DUNS NUMBER*!	CMP DUNS number
N1^**SJ**^^**9**^*CEP DUNS +4 NUMBER*!	CEP DUNS +4 number
N1^**BT**^**NV**!	No customer name sent
N3^*1ST LINE OF CUSTOMER MAILING ADDRESS*!	1st line of customer's mailing address
N4^*CITY^STATE^ZIP CODE*!	Additional customer mailing information
LIN^*LINE ITEM*^**SV**^**EL**!	Indicates electric service
ASI^**WQ**^**021**!	Indicates successful enrollment
REF^**12**^*CMP ACCOUNT NUMBER*!	CMP customer account number
REF^**11**^*CEP ACCOUNT NUMBER*!	CEP customer account number
REF^**BLT**^**LDC**!	Billing option
REF^**7G**^**A13**^**100**!	Indicates successful enrollment
DTM^**186**^*EFFECTIVE DATE*!	Effective date of enrollment
AMT^**KC**^	ICAP tag
NM1^**MQ**^**3**!	
REF^**PRT**^*TYPE OF SERVICE INDICATOR*!	Type of service indicator
REF^**SPL**^*STANDARD POINT LOCATION*!	Point customer is connected to ISO-NE grid
REF^**65**^*READ CYCLE*!	Read cycle
REF^**TX**^*N*!	Type of sales tax indicator-exempt
REF^**MG**^*METER NUMBER*!	Meter number
REF^**RB**^*CEP RATE CODE*!	CEP company rate code
REF^**NH**^*CMP COMPANY RATE CODE*!	CMP company rate code

File ID – 1B

Transaction #3
Day #2

This is an example of an 814-4. CMP is sending a Successful Enrollment response back to the CEP for multiple services with Dual Billing Option (one meter and two area lights).

BGN^**06**^*UNIQUE TRACKING NUMBER*^*FILE DATE*!	Successful enrollment response
N1^**8S**^^**1**^*CMP DUNS NUMBER*!	CMP DUNS number
N1^**SJ**^^**9**^*CEP DUNS +4*NUMBER!	CEP DUNS +4 number
N1^**BT^NV**!	No customer name sent
N3^*1ST LINE OF CUSTOMER BILL TO ADDRESS*!	1st line of customer's mailing address
N4^*CITY^STATE^ZIP CODE*!	Additional mailing address info
LIN^*LINE ITEM*^**SV^EL**!	Indicates electric service
ASI^**WQ^021**!	Indicates successful enrollment
REF^**12**^*CMP CUSTOMERS ACCOUNT NUMBER*!	CMP account number
REF^**11**^*CEP CUSTOMER ACCOUNT NUMBER*!	CEP account number
REF^**BLT^DUAL**!	Billing option-dual
REF^**7G^A13^100**!	Indicates successful enrollment
DTM^**186**^*EFFECTIVE DATE*!	Effective date of enrollment
AMT^**KC**^	ICAP tag
NM1^**MQ^3**!	Customer/service info
REF^**PRT**^*WHAT TYPE OF SERVICE INDICATOR*!	Indicates what type of service
REF^**SPL**^*STANDARD POINT LOCATION*!	Point customer is connected to ISO-NE grid
REF^**65**^*READ CYCLE*!	Indicates read cycle
REF^**TX**^*INDICATES WHAT TYPE OF SALES TAX*!	Type of sales tax
REF^**MG**^*METER NUMBER*!	Meter number
REF^**NH**^*CMP RATE CODE*!	CMP rate code
NM1^**MQ^3**!	Customer/service info
REF^**PRT**^*SERVICE INDICATOR*!	Type of service indicator
REF^**SPL**^*STANDARD POINT LOCATION*!	Point customer is connected to ISO-NE grid
REF^**65**^*READ CYCLE*!	Read cycle
REF^**TX**^*INDICATES WHAT TYPE OF SALES TAX*!	Sales tax indicator
REF^**SC^U**^*NON-METER RATE PLAN*!	Indicates type of non-metered service
REF^**NH**^*CMP RATE CODE*!	CMP rate code
NM1^**MQ^3**!	Customer/service info
REF^**PRT**^*WHAT TYPE OF SERVICE INDICATOR*!	Indicates what type of service
REF^**SPL**^*STANDARD POINT LOCATION*!	Point customer is connected to ISO-NE grid
REF^**65**^*READ CYCLE*!	Indicates read cycle
REF^**TX**^*INDICATES WHAT TYPE OF SALES TAX*!	Type of sales tax
REF^**SC^U**^*NON-METER RATE PLAN*!	Indicates type of non-metered services
REF^**NH**^*CMP RATE CODE*!	CMP rate code

File ID – 1B

Transaction #4
Day #2

This is an example of an 814-4. CMP is sending a Successful Enrollment response back to the CEP for multiple services with Consolidated Billing Option (7 streetlights - 3 streetlights are one unique rate plan and 4 streetlights are another unique rate plan).

BGN^**06**^*UNIQUE TRACKING NUMBER^FILE DATE*!	Successful enrollment response
N1^**8S**^^**1**^*CMP DUNS NUMBER*!	CMP DUNS number
N1^**SJ**^^**9**^*CEP DUNS +4 NUMBER*!	CEP DUNS +4 number
N1^**BT**^**NV**!	No customer name sent
N3^*1ST LINE OF CUSTOMER BILL TO ADDRESS*!	1st line of customer's mailing address
N4^*CITY^STATE^ZIP CODE*!	Additional mailing address info
LIN^*LINE ITEM*^**SV**^**EL**!	Indicates electric service
ASI^**WQ**^**021**!	Indicates successful enrollment
REF^**12**^*CMP CUSTOMERS ACCOUNT NUMBER*!	CMP customer account number
REF^**11**^*CEP CUSTOMER ACCOUNT NUMBER*!	CEP customer account number
REF^**BLT**^**LDC**!	Billing option
REF^**7G**^**A13**^**100**!	Indicates successful enrollment
DTM^**186**^*EFFECTIVE DATE*!	Effective date of enrollment
AMT^**KC**^	ICAP tag
NM1^**MQ**^**3**!	
REF^**PRT**^*SERVICE INDICATOR*!	Type of service indicator
REF^**SPL**^*STANDARD POINT LOCATION*!	Point customer is connected to ISO-NE grid
REF^**65**^*READ CYCLE*!	Read cycle
REF^**TX**^*INDICATES WHAT TYPE OF SALES TAX*!	Sales tax indicator
REF^**SC**^**U**^*NON-METERED RATE PLAN*!	Indicates type of non-metered service
REF^**RB**^*CEP RATE CODE*!	CEP rate code
REF^**NH**^*CMP RATE CODE*!	CMP rate code
NM1^**MQ**^**3**!	Customer/service info
REF^**PRT**^*SERVICE INDICATOR*!	Type of service indicator
REF^**SPL**^*STANDARD POINT LOCATION*!	Point customer is connected to ISO-NE grid
REF^**65**^*READ CYCLE*!	Read cycle
REF^**TX**^*INDICATES WHAT TYPE OF SALES TAX*!	Sales tax indicator
REF^**SC**^**U**^*NON-METERED RATE PLAN*!	Indicates type of non-metered service
REF^**RB**^*CEP RATE CODE*!	CEP rate code
REF^**NH**^*CMP RATE CODE*!	CMP rate code

File ID – 1B

Transaction #5
Day #2

This is an example of an 814-4. CMP is sending a Successful Enrollment response back to the CEP for multiple meters (two meters) with Consolidated Billing Option.

BGN^**06**^*UNIQUE TRACKING NUMBER^FILE DATE*!	Successful enrollment response
N1^**8S**^^**1**^*CMP DUNS NUMBER*!	CMP DUNS number
N1^**SJ**^^**9**^*CEP DUNS +4* NUMBER!	CEP DUNS +4 number
N1^**BT^NV**!	
N3^*1ST LINE OF CUSTOMER BILL TO ADDRESS*!	1st line of customer's mailing address
N4^*CITY^STATE^ZIP CODE*!	Additional mailing address info
LIN^*LINE ITEM*^**SV**^**EL**!	Indicates electric service
ASI^**WQ**^**021**!	Indicates successful enrollment
REF^**12**^*CMP ACCOUNT NUMBER*!	CMP customer account number
REF^**11**^*CEP ACCOUNT NUMBER*!	CEP customer account number
REF^**BLT^LDC**!	Billing option
REF^**7G**^**A13**^**100**!	Indicates successful enrollment
DTM^**186**^*EFFECTIVE DATE*!	Effective date of enrollment
AMT^**KC**^	ICAP tag
NM1^**MQ**^**3**!	
REF^**PRT**^*SERVICE INDICATOR*!	Type of service indicator
REF^**SPL**^*STANDARD POINT LOCATION*!	Point customer is connected to ISO-NE grid
REF^**65**^*READ CYCLE*!	Read cycle
REF^**TX**^*INDICATES WHAT TYPE OF SALES TAX*!	Sales tax indicator
REF^**MG**^*METER NUMBER*!	Only 1st meter number
REF^**RB**^*CEP RATE CODE*!	CEP rate code
REF^**NH**^*CMP RATE CODE*!	CMP rate code

File ID – 1B

Transaction #6
Day # 2

This is an example of an 814-4. CMP is sending a Successful Enrollment response back to the CEP for a single service and Request for Historical Usage Data with Consolidated Billing Option in File 1A-Transaction #6.

BGN^**06**^*UNIQUE TRACKING NUMBER^FILE DATE*!	Enrollment response
N1^**8S^^1**^*CMP DUNS NUMBER*!	CMP DUNS number
N1^**SJ^^9**^*CEP DUNS +4 NUMBER*!	CEP DUNS +4 number
N1^**BT^NV**!	No customer name sent
N3^*1ST LINE OF CUSTOMER MAILING ADDRESS!*	1st line of customer's mailing address
N4^*CITY^STATE^ZIP CODE*!	Additional customer mailing information
LIN^*LINE ITEM*^**SV^EL**!	Indicates electric service
ASI^**WQ^021**!	Indicates successful enrollment
REF^**12**^*CMP ACCOUNT NUMBER*!	CMP customer account number
REF^**11**^*CEP ACCOUNT NUMBER!*	CEP customer account number
REF^**BLT^LDC**!	Billing option
REF^**7G^A13^100**!	Indicates successful enrollment
DTM^**186**^*EFFECTIVE DATE*!	Effective date of enrollment
AMT^**KC**^	ICAP tag
NM1^**MQ^3**!	
REF^**PRT**^*TYPE OF SERVICE INDICATOR*!	Type of service indicator
REF^**SPL**^*STANDARD POINT LOCATION*!	Point customer is connected to ISO-NE grid
REF^**65**^*READ CYCLE*!	Read cycle
REF^**TX**^*N*!	Type of sales tax indicator-exempt
REF^**MG**^*METER NUMBER*!	Meter number
REF^**RB**^*CEP RATE CODE*!	CEP company rate code
REF^**NH**^*CMP COMPANY RATE CODE*!	CMP company rate code

File ID – 1B

Transaction #7
Day #3

This is an example of an 867. This is a response to an 814-1 Enrollment with Historical Usage Request in File 1A#6 - 12 months of Historical Usage is available for this single kWh service. The PTD loop is repeated for each of the 12 months.

BPT^**52**^*UNIQUE TRACKING NUMBER^FILE DATE^***DD**!	Request for historical usage
PSA^93^ICAP TAG^	
N1^**8S^^1**^*CMP DUNS NUMBER*!	CMP DUNS number
REF^**12**^*CMP ACCOUNT NUMBER*!	CMP customer account number
N1^**SJ**^^9^*CEP DUNS +4 NUMBER*!	CEP DUNS +4 number
REF^**SPL**^*STANDARD POINT LOCATION*!	Point customer is connected to ISO-NE grid
PTD^**PM**^^^**OZ**^**EL**!	Readings are "per meter"
REF^**NH**^*CMP RATE CODE*!	CMP rate code
REF^**PRT**^*TYPE OF SERVICE INDICATOR*!	Indicates what type of service
REF^**MG**^*METER NUMBER*!	Meter number
QTY^**QD**^^^**NV**!	Indicates quantity
MEA^*TYPE OF READING^^USAGE/DEMAND VALUE^TYPE OF USAGE^^^TYPE OF USAGE*!	Indicates how much and what type of usage/demand
DTM^**187**^*READ DATE*!	Read date

File ID – 1B

Transaction # 8
Day #2

This is an example of an 867. CMP is sending an 867 response back to the CEP for a single service and Request for Historical Usage Data with Consolidated Billing Option. 1 month of history is available. PTD loop will repeat for each month when multiple months are available. This is the response to the 814-10 in File 2A#4.

BPT^**52**^*UNIQUE TRACKING NUMBER^FILE DATE*^**DD**!	Historical usage
PSA^93^ICAP TAG^	
N1^**8S**^^**1**^*CMP DUNS NUMBER*!	CMP DUNS number
REF^**12**^*CMP ACCOUNT NUMBER*!	CMP customer account number
N1^**SJ**^^**9**^*CEP DUNS+ 4 NUMBER*!	CEP DUNS +4 number
REF^**SPL**^*STANDARD POINT LOCATION*!	Point customer is connected to ISO-NE grid
PTD^**PM**^^^**OZ**^**EL**!	Readings are "per meter"
REF^**NH**^*CMP RATE CODE*!	CMP rate code
REF^**PRT**^*TYPE OF SERVICE INDICATOR*!	Type of service indicator
REF^**MG**^*METER NUMBER*!	Meter number
QTY^**QD**^^^**NV**!	Indicates quantity
MEA^*TYPE OF READING*^^*USAGE/DEMAND VALUE^TYPE OF USAGE*^^^*TYPE OF USAGE*!	Indicates how much and what type of usage/demand
DTM^**187**^*READ DATE*!	Read date

File ID – 1B

Transaction #9
Day #2

This is an example of an 814-6. This is an Error response to 814-1 Enrollment with a Single kWh Service-in File 2A#3. The error code is **"customer is already enrolled with this CEP."**

BGN^**11**^*UNIQUE TRACKING NUMBER^FILEDATE*!	Error response
N1^**8S**^^**1**^*CMP DUNS NUMBER*!	CMP DUNS number
N1^**SJ**^^**9**^*CEP DUNS +4 NUMBER*!	CEP DUNS +4 number
LIN^*LINE ITEM COUNTER*^**SV**^**EL**!	Error
ASI^U^**021**!	Reject error
REF^**12**^*CMP ACCOUNT NUMBER*!	T&D account number
REF^**7G**^**A13**^**167**!	Reject reason code
NM1^**MQ**^**3**!	
REF^**PRT**^*TYPE OF SERVICE INDICATOR*!	Type of service indicator

File ID – 1B

Transaction # 10
Day #2

This is an example of an 814-9. This transaction is sent as a confirmation to an 814-8 from File 2A#2 Supplier Drop Customer request. This customer has a single service kWh meter with the Consolidated Billing Option.

BGN^**06**^*UNIQUE TRACKING NO*^*FILE DATE*!	Indicates supplier drops customer
N1^**8S**^^**1**^*CMP DUNS NUMBER*!	CMP DUNS number
N1^**SJ**^^**9**^*CEP DUNS +4 NUMBER*!	CEP DUNS +4 number
LIN^*LINE ITEM*^**SV**^**EL**!	Indicates electric service
ASI^**V**^**024**!	Drop confirmed
REF^**12**^*CMP ACCOUNT NUMBER*!	CMP customer account number
REF^**11**^*CEP ACCOUNT NUMBER*!	CEP customer account number
REF^**7G**^**A13**^**100**!	Completion status-successful transaction
DTM^**007**^*EFFECTIVE DATE*!	Effective date of the requested drop
DTM^**MRR**^	
NM1^**MQ**^**3**!	
REF^**PRT**^*TYPE OF SERVICE INDICATOR*!	Type of service indicator

File ID – 1B

Transaction #11
Day #2

This is an example of an 814-6. This is an Error response to an 814-1 Enrollment Request -Single service with Dual Billing Option in File 2A#5. The error code is **"Invalid CMP Company Acct Number."**

BGN^**11^***UNIQUE TRACKING NUMBER^FILEDATE*!	Error response
N1^**8S^^1^***CMP DUNS NUMBER*!	CMP DUNS number
N1^**SJ^^9^***CEP DUNS +4 NUMBER*!	CEP DUNS +4 number
LIN^*LINE ITEM COUNTER*^**SV^EL**!	Error
ASI^**U^021**!	Reject error
REF^**12^***CMP ACCOUNT NUMBER*!	T&D account number
REF^**7G^A13^103**!	Reject reason code
NM1^**MQ^3**!	
REF^**PRT^***TYPE OF SERVICE INDICATOR*!	Type of service indicator

File ID – 1B
Day #2
Transaction #12

This is an example of an 814-11(Change Confirmation) response to an 814-2 "Change Supplier Data" transaction in File 2A#1. The Supplier is currently billing the account on LDC(consolidated) billing option and now wants to change to Dual(Separate) billing option. This allows the Supplier to bill the account separately.

BGN^**06**^*UNIQUE TRACKING NUMBER^FILEDATE*!	Positive change response
N1^**8S^^1**^*CMP DUNS NUMBER*!	CMP DUNS number
N1^**SJ^^9**^*CEP DUNS +4 NUMBER*!	CEP DUNS +4 number
LIN^*LINE ITEM COUNTER*^**SV^EL**!	
ASI^**V^001**!	Change response
REF^**12**^*CMP ACCOUNT NUMBER*!	T&D account number
REF^**11**^*CEP ACCOUNT NUMBER*!	CEP account number
REF^**TD^REFBLT**!	Reason for change code
REF^**BLT^DUAL**!	Billing option
NM1^**MQ^3**!	
REF^**PRT**^*TYPE OF SERVICE INDICATOR*!	Type of service indicator

Test Diagram (Transaction Set 814)

File ID – 2B (814-3, 814-5, 814-7)

Transaction #1:   814-3 (Change Distribution Company data)
Transaction #2:   814-5 (Customer Move)
Transaction #3:   814-7 (Customer Drop CEP)

This is an example of an 814-3. CMP is sending a change request transaction notifying the CEP that this customer has a change of address. This customer is on Consolidated Billing Option.

Transaction #1
Day # 2

BGN^**13**^*UNIQUE TRACKING NO^FILE DATE*!	CMP change request
N1^**8S^^1**^*CMP DUNS NUMBER*!	CMP DUNS number
N1^**SJ^^9**^*CEP DUNS +4 NUMBER*!	CEP DUNS +4 number
LIN^*LINE ITEM*^**SV^EL**!	Change
ASI^**7^001**!	Request
REF^**12**^C*MP ACCOUNT NUMBER*!	CMP customer account number
REF^**11**^*CEP CUSTOMER ACCOUNT NUMBER*!	CEP customer account number
REF^**TD^N1BT**!	Reason for change
NM1^**MQ^3**!	
REF^**PRT**^*TYPE OF SERVICE INDICATOR*!	Type of service indicator
REF^**SPL**^*STANDARD POINT LOCATION*!	Point customer is connected to ISO-NE grid

File ID – 2B

Transaction #2
Day #2

This is an example of an 814-5. The customer is moving from their old account to a new account within the same service territory. The seamless move allows the customer to keep the same CEP.

BGN^**14**^*UNIQUE TRACKING NUMBER^FILEDATE*!	Seamless move request
N1^**8S**^^**1**^*CMP DUNS NUMBER*!	CMP DUNS number
N1^**SJ**^^**9**^*CEP DUNS +4 NUMBER*!	CEP DUNS +4 number
LIN^*LINE ITEM*^**SV**^**EL**!	Change (move)
ASI^**27**^**025**!	Request
REF^**12**^*CMP CUSTOMER ACCOUNT NUMBER*!	New CMP customer account number
REF^**11**^*CEP CUSTOMER ACCOUNT NUMBER*!	CEP customer account number
REF^**45**^*OLD CMP CUSTOMER ACCOUNT NUMBER*!	Old CMP customer account number
DTM^**186**^*EFFECTIVE DATE*!	Effective date
AMT^**KC**^	ICAP TAG
NM1^**MQ**^**3**!	
REF^**PRT**^*TYPE OF SERVICE INDICATOR*!	Type of service indicator
REF^**SPL**^*STANDARD POINT LOCATION*!	Point customer is connected to ISO-NE grid
REF^**65**^*READ CYCLE*!	Read cycle
REF^**TX**^*TYPE OF SALES TAX*!	Type of sales tax
REF^**RB**^*CEP RATE CODE!*	CEP rate code
REF^**NH**^*CMP RATE CODE*!	CMP rate code

File ID – 2B

Transaction #3
Day #2

This is an example of an 814-7. Customer Drops CEP. A customer calls CMP and requests to drop their current CEP. Customer is requesting an off cycle prorated reading and is on the Consolidated Billing Option. For future use.

BGN^**06**^*UNIQUE TRACKING NO^FILE DATE*!	Customer drops CEP
N1^**8S**^^**1**^*CMP DUNS NUMBER*!	CMP DUNS number
N1^**SJ**^^**9**^*CEP DUNS +4*!	CEP DUNS+4 number
LIN^*LINE ITEM COUNTER*^**SV**^**EL**!	Drop requested
ASI^**7**^**024**!	Customer drops CEP
REF^**12**^*CMP ACCOUNT NUMBER*!	CMP customer account
REF^**11**^*CEP ACCOUNT NUMBER*!	CEP customer account
DTM^**007**^*EFFECTIVE DATE OF SERVICE*!	Effective date of service
DTM^**245**^*OFF CYCLE READ DATE!*!	Indicates off cycle read date
NM1^**MQ**^**3**!	
REF^**PRT**^*TYPE OF SERVICE INDICATOR*!	Type of service indicator

File ID – 2C
Transaction #1
Day#3

Positive Response from the Supplier to the T&D
This is an example of an 814-11 Change Confirmation to an 814-3 "Change Distribution Company Data" transaction found in **File ID - 2B #1**- notifying the CEP that this customer has a change of address.

BGN^**06**^*UNIQUE TRACKING NUMBER^FILEDATE*!	Positive response
N1^**8S**^^**1**^*CMP DUNS NUMBER*!	CMP DUNS number
N1^**SJ**^^**9**^*CEP DUNS +4 NUMBER*!	CEP DUNS +4 number
LIN^*LINE ITEM COUNTER*^**SV^EL**!	
ASI^**V**^**001**!	Positive change
REF^**12**^*CMP ACCOUNT NUMBER*!	T&D account number
REF^**11**^*CEP ACCOUNT NUMBER*!	CEP account number
REF^**TD**^**N1BT**!	Change reason code
REF^**BLT**^**LDC**!	Billing option
NM1^**MQ**^**3**!	
REF^**PRT**^*TYPE OF SERVICE INDICATOR*!	Type of service indicator

File ID – 2C
Transaction #2
Day 3
Cancel Pending Drop from the Supplier to the T&D

This is an example of an 814-12 Cancel Pending Drop sent by the Supplier to the T&D no later than 2 business days prior to the drop date sent in the 814-9.Confirm Drop transaction in File 2A

BGN^**13**^ *UNIQUE TRACKING NUMBER^FILEDATE*!	Supplier Request
N1^**8S^^1**^*T&D DUNS*!	CMP Duns Number
N1^**SJ^^9**^*CEP DUNS+4!*	Supplier Duns+4 number
LIN^1^**SH^EL**!	
ASI^**7**^*026!*	Correction
REF^**12**^ *CMP ACCOUNT NUMBER*!	T&D account number
REF^**11**^*CEP ACCOUNT NUMBER*!	CEP account number
NM1^**MQ^3**!	
REF^**PRT**^ *TYPE OF SERVICE INDICATOR*!	Type of service indicator

File ID – 2D
Transaction #1
Day 3

This is an example of an 814-13 Confirm Cancel Drop from the T&D to the Supplier to confirm the Cancellation of a pending drop. If the Drop is confirmed the account remains with the Current Supplier

BGN^**11**^ *UNIQUE TRACKING NUMBER^FILEDATE*!	Confirmation Response
N1^**8S^^1**^*T&D DUNS*	CMP Duns Number
N1^**SJ^^9**^*CEP DUNS+4*	Supplier Duns+4 number
LIN^1^**SV^EL^ SV**	
ASI^**WQ^***026*	Successful Correction
REF^**12**^ *CMP ACCOUNT NUMBER*!	T&D account number
REF^**11**^ *CEP ACCOUNT NUMBER*!	CEP account number
NM1^**MQ^3**	
REF^**PRT**^ *TYPE OF SERVICE INDICATOR*!	Type of service indicator

Test Diagram (Transaction Set 810)
File ID 3B (810 - 1)

This is an example of an 810-1. CMP is sending this invoice to the CEP for multiple services (one meter and two area lights on a commercial rate) with Dual Billing Option.

Transaction # 1 - Day #4

BIG^*FILEDATE^ INVOICE NUMBER* ^^^^^**CI**!	Invoice number
REF^**BLT^DUAL**!	Billing option-dual
REF^**BF^***BILLING CYCLE NUMBER*!	Billing cycle number
N1^**8S^^1^***CMP DUNS NUMBER*!	CMP DUNS number
N1^**SJ^^9^***CEP DUNS +4 NUMBER*!	CEP DUNS +4 number
IT1^*LINE ITEM COUNTER*^^^^^**SV^ELECTRIC^C3^ACCOUNT^^^EQ^NR**!	Indicates electric service
REF^**11^***CEP ACCOUNT NUMBER*!	CEP customer account number
REF^**12^***CMP ACCOUNT NUMBER*!	CMP customer account number
DTM^**186^***PERIOD START DATE*!	Start date for period
DTM^**187^***PERIOD END DATE*!	End date of billing period
IT1^*LINE ITEM COUNTER*^^^^^**SV^ELECTRIC^C3^METER^MB^TOU^EQ^NR**!	Indicates electric service
MEA^*TYPE OF READING^^USAGE/DEMAND VALUE^TYPE OF USAGE^^^TYPE OF USAGE*!	On Peak usage /demand measurement
MEA^*TYPE OF READING^^USAGE/DEMAND VALUE^TYPE OF USAGE^^^TYPE OF USAGE*!	Shoulder usage /demand measurement
MEA^*TYPE OF READING^^USAGE/DEMAND VALUE^TYPE OF USAGE^^^TYPE OF USAGE*!	Off peak usage/ demand measurement
REF^**PRT^***TYPE OF SERVICE INDICATOR*!	Type of service indicator
REF^**MG^***METER NUMBER* #1!	Meter #1
DTM^**186^***PERIOD START DATE*!	Start date for period
DTM^**187^***PERIOD END DATE*!	End date of billing period
IT1^*LINE ITEM COUNTER*^^^^^**SV^ELECTRIC^C3^UNMET^^^EQ^NR**!	Indicates electric service
MEA^*TYPE OF READING^^USAGE/DEMAND VALUE^TYPE OF USAGE^^^TYPE OF USAGE*!	Type of usage or demand measurement
REF^**QQ^N^1**!	Number of lights on this rate plan
REF^**PRT^***TYPE OF SERVICE INDICATOR*!	Type of service indicator
REF^**NH^** *NON-METERED RATE PLAN*!	Non-metered rate code
REF^**SC^U^** *DESCRIPTION OF NON-METERED RATE PLAN!*	Non-metered rate plan description

Test Diagram (Transaction Set 810) CON'T
File ID 3B (810 - 1)

DTM^**186^***PERIOD START DATE*!	Start date for period
DTM^**187^***PERIOD END DATE*!	End date of period
IT1^*LINE ITEM COUNTER*^^^^^**SV^ELECTRIC^C3^UNMET^^^EQ^NR**!	Indicates electric service
MEA^*TYPE OF READING^^USAGE/DEMAND VALUE^TYPE OF USAGE^^^TYPE OF USAGE*!	Type of usage or demand measurement
REF^**QQ^N^1**!	Number of lights on this rate plan

REF^**PRT^***TYPE OF SERVICE INDICATOR*!	Type of service indicator
REF^**SC^U^** *NON-METERED RATE PLAN*!	Non-metered rate plan description
DTM^**186^***PERIOD START DATE*!	Start date for period
DTM^**187^***PERIOD END DATE*!	End date of period

File ID 3B (810 - 1)

Transaction # 2
Day #4

This is an example of an 810-1. CMP is sending this invoice to the CEP for estimated kWh usage. The customer has a single service with Dual Billing Option.

BIG^*FILEDATE^INVOICE NUMBER^^^^^***CI**!	Invoice number
REF^**BLT^DUAL**!	Billing option
REF^**BF**^*BILLING CYCLE NUMBER!*	Billing cycle
N1^**8S^^1**^*CMP DUNS NUMBER*!	CMP DUNS number
N1^**SJ^^9**^*CEP DUNS+4 NUMBER*!	CEP DUNS +4 number
IT1^*LINE ITEM COUNTER^^^^^***SV^ELECTRIC^C3^ACCOUNT^^^EQ^NR**!	Indicates electric service
REF^**11**^*CEP ACCOUNT NUMBER*!	CEP account number
REF^**12**^*CMP ACCOUNT NUMBER*!	CMP account number
DTM^**186**^*PERIOD START DATE*!	Start date of period
DTM^**187**^*PERIOD END DATE*!	Ending date of period
IT1^*LINE ITEM COUNTER^^^^^***SV^ELECTRIC^C3^METER^MB^NT^EQ^NR**!	Indicates electric service
MEA^*TYPE OF READING^^USAGE/DEMANDVALUE^TYPE OF USAGE^^^TYPE OF USAGE*!	Type of usage or demand
REF^**PRT**^*TYPE OF SERVICE INDICATOR*!	Type of service indicator
REF^**MG**^*METER NUMBER*!	Meter number
DTM^**186**^*PERIOD START DATE*!	Start date of period
DTM^**187**^*PERIOD END DATE*!	Ending date of period

File ID 3B (810 - 1)

Transaction # 3
Day #4

This is an example of an 810-1. CMP is sending this invoice to the CEP for a single residential meter with Dual Billing Option.

BIG^*FILEDATE^INVOICE NUMBER^^^^^***CI**!	Invoice number
REF^**BLT^DUAL**!	Billing option
REF^**BF^***BILL CYCLE NUMBER*!	Billing cycle
N1^**8S^^1^***CMP DUNS NUMBER*!	CMP DUNS number
N1^**SJ^^9^***CEP DUNS +4 NUMBER*!	CEP DUNS +4 number
IT1^*LINE ITEM COUNTER^^^^^***SV^ELECTRIC^C3^ACCOUNT^^^^EQ^NR**!	Indicates electric service
REF^**11^***CEP ACCOUNT NUMBER*!	CEP account number
REF^**12^***CMP ACCOUNT NUMBER*!	CMP account number
DTM^**186^***PERIOD START DATE*!	Start date of period
DTM^**187^***PERIOD END DATE*!	Ending date of period
IT1^*LINE ITEM COUNTER^^^^^***SV^ELECTRIC^C3^METER^MB^NT^EQ^NR**!	Indicates electric service
MEA^*TYPE OF READING^^USAGE/DEMANDVALUE^TYPE OF USAGE^^^TYPE OF USAGE*!	Type of usage/demand measurement
REF^**PRT^***TYPE OF SERVICE INDICATOR*!	Type of service indicator
REF^**MG^***METER NUMBER*!	Meter number
DTM^**186^***PERIOD START DATE*!	Start date of period
DTM^**187^***PERIOD END DATE*!	End date of period

File ID 3B (810 - 1)

Transaction #4
Day #4

This is an example of an 810-1. CMP is sending this invoice to the CEP for a consumption adjustment to a single kWh meter with Dual Billing Option. The previous 810 invoice sent had incorrect usage. Day 4 (Cancel the previous incorrect invoice).

BIG^*FILEDATE^INVOICE NUMBER^^^^^^***01**!	Invoice number
REF^**BLT^DUAL**!	Billing option
REF^**BF**^*BILLING CYCLE NUMBER*!	Bill cycle number
N1^**8S^^1**^*CMP DUNS NUMBER*!	CMP DUNS number
N1^**SJ^^9**^*CEP DUNS +4 NUMBER*!	CEP DUNS +4 number
IT1^*LINE ITEM COUNTER*^^^^**SV^ELECTRIC^C3**^*ACCOUNT*^^^**EQ^NR**!	Indicates electric service
REF^**11**^*CEP ACCOUNT NUMBER*!	CEP account number
REF^**12**^*CMP ACCOUNT NUMBER*!	CMP account number
DTM^**186**^*PERIOD START DATE*!	Start date of period
DTM^**187**^*PERIOD END DATE*!	Ending date of period
IT1^*LINE ITEM COUNTER*^^^^**SV^ELECTRIC^C3**^**METER^MB^NT^EQ^NR**!	Type of usage/demand measurement
MEA^*TYPE OF READING*^^*USAGE/DEMANDVALUE*^*TYPE OF USAGE*^^^*TYPE OF USAGE*!	
REF^**PRT**^*TYPE OF SERVICE INDICATOR*!	Type of service indicator
REF^**MG**^*METER NUMBER*!	Meter number
DTM^**186**^*PERIOD START DATE*!	Start date of period
DTM^**187**^*PERIOD END DATE*!	End date of period

File ID 3B (810 - 1)

Transaction #5
Day #4

This is an example of an 810-1. CMP is sending this invoice to the CEP for a consumption adjustment to a single kWh meter with Dual Billing Option. The previous 810 invoice sent had incorrect usage. Day #4 (Re-bill with correct consumption).

BIG^*FILEDATE^INVOICE NUMBER*^^^^^**RE**!	Invoice number
REF^**BLT**^**DUAL**!	Billing option
REF^**BF**^*BILL CYCLE NUMBER*!	Billing cycle number
N1^**8S**^^**1**^*CMP DUNS NUMBER*!	CMP DUNS number
N1^**SJ**^^**9**^*CEP DUNS +4 NUMBER*!	CEP DUNS +4 number
IT1^*LINE ITEM COUNTER*^^^^**SV**^**ELECTRIC**^**C3**^**ACCOUNT**^^^**EQ**^**NR**!	Indicates electric service
REF^**11**^*CEP ACCOUNT NUMBER*!	CEP customer account number
REF^**12**^*CMP ACCOUNT NUMBER*!	CMP customer account number
DTM^**186**^*PERIOD START DATE*!	Start date of period
DTM^**187**^*PERIOD END DATE*!	Ending date of period
IT1^*LINE ITEM COUNTER*^^^^**SV**^**ELECTRIC**^**C3**^**METER**^**MB**^**NT**^**EQ**^**NR**!	
MEA^*TYPE OF READING*^^*USAGE/DEMANDVALUE*^*TYPE OF USAGE*^^^*TYPE OF USAGE*!	Type of usage/demand measurement
REF^**PRT**^*TYPE OF SERVICE INDICATOR*!	Type of service indicator
REF^**MG**^*METER NUMBER*!	Meter number
DTM^**186**^*PERIOD START DATE*!	Period start date
DTM^**187**^*PERIOD END DATE*!	Period end date

File ID 3B (810 - 1)

Transaction #6
Day #4

This is an example of an 810-1. CMP is sending this invoice to the CEP for a final bill with Dual Billing Option and a demand meter with two area lights.

BIG^*FILEDATE^INVOICE NUMBER^^^^^***FB**!	Invoice number
REF^**BLT^DUAL**!	Billing option
REF^**BF^***BILL CYCLE NUMBER*!	Billing cycle
N1^**8S^^1^***CMP DUNS NUMBER*!	CMP DUNS number
N1^**SJ^^9^***CEP DUNS +4 NUMBER*!	CEP DUNS +4 number
IT1^*LINE ITEM COUNTER^^^^^***SV^ELECTRIC^C3^ACCOUNT^^^EQ^NR**!	Indicates electric service
REF^**11^***CEP ACCOUNT NUMBER*!	CEP customer account number
REF^**12^***CMP ACCOUNT NUMBER*!	CMP customer account number
DTM^**186^***PERIOD START DATE*!	Start date of period
DTM^**187^***PERIOD END DATE*!	Ending date of period
IT1^*LINE ITEM COUNTER^^^^^***SV^ELECTRIC^C3^METER^MB^NT^EQ^NR**!	Indicates electric service
MEA^*TYPE OF READING^^USAGE/DEMANDVALUE^TYPE OF USAGE^^^TYPE OF USAGE*!	Type of usage/demand measurement
REF^**PRT^***TYPE OF SERVICE INDICATOR*!	Type of service indicator
REF^**MG^***METER NUMBER*!	Meter number
DTM^**186^***PERIOD START DATE*!	Start date of period
DTM^**187^***PERIOD END DATE*!	End date of period
IT1^*LINE ITEM COUNTER^^^^^***SV^ELECTRIC^C3^UNMET^^^EQ^NR**!	Indicates electric service
MEA^*TYPE OF READING^^USAGE/DEMANDVALUE^TYPE OF USAGE^^^TYPE OF USAGE*!	Type of usage/demand measurement
REF^**PRT^***TYPE OF SERVICE INDICATOR INDICATOR*!	Type of service indicator
REF^**NH^** *NON-METERED RATE PLAN*!	Non metered rate plan
REF^**SC^U^***NON-METERED RATE PLAN DESCRIPTION*!	Non-metered rate plan description
REF^**QQ^N^2**!	Number of lights on this plan
DTM^**186^***PERIOD START DATE*!	Start date of period
DTM^**187^***PERIOD END DATE*!	End date of period

Sample Test Diagrams (810 - 2)

File ID 3B (810 - 2)

Transaction #7
Day #4

This is an example of an 810-2. This invoice is for a single service kWh meter with Consolidated Billing Option (actual reading).

BIG^*FILEDATE^INVOICE NUMBER^^^^^***CI**!	Invoice number
REF^**BLT^LDC**!	Billing option
REF^**BF^***BILL CYCLE NUMBER*!	Billing cycle
N1^**8S^^1^***CMP DUNS NUMBER*!	CMP DUNS number
N1^**SJ^^9^***CEP DUNS +4 NUMBER*!	CEP DUNS +4 number
DTM^**434^***BILLING DATE*!	Billing date
IT1^*LINE ITEM COUNTER^^^^***SV^ELECTRIC^C3^***ACCOUNT^^^***EQ^NR**!	Indicates electric service
REF^**11^***CEP ACCOUNT NUMBER*!	CEP customer account number
REF^**12^***CMP ACCOUNT NUMBER*!	CMP customer account number
DTM^**186^***PERIOD START DATE*!	Start date of period
DTM^**187^***PERIOD END DATE*!	Ending date of period
IT1^*LINE ITEM COUNTER^^^^***SV^ELECTRIC^C3^***METER**^MB^**NT^***EQ^NR**!	Indicates electric service
TXI^**SU^***CURRENT SALES TAX AMOUNT^^^^^***A**!	Sales tax amount
MEA^*TYPE OF READING^^USAGE/DEMAND VALUE^TYPE OF USAGE^^^TYPE OF USAGE*!	Type of usage or demand measurement
REF^**RB^***CEP RATE CODE*!	CEP rate code
REF^**PRT^***TYPE OF SERVICE*!	Type of service indicator
REF^**MG^***METER NUMBER*!	Meter number
DTM^**186^***PERIOD START DATE*!	Start date of period
DTM^**187^***PERIOD END DATE*!	End date of period
SLN^*LOOP COUNTER^^***A**!	
SAC^**C^^EU^***TYPE OF CHARGE^AMOUNT*!	Customer invoice type and amount charged
TDS^*TOTAL AMOUNT BILLED*!	Total amount

File ID 3B (810 - 2)

Transaction #8
Day #4

This is an example of an 810-2. This invoice is for a residential time-of-use meter with Consolidated Billing Option (actual read).

BIG^*FILEDATE^INVOICE NUMBER^^^^^***CI**!	Invoice number
REF^**BLT^LDC**!	Billing option
REF^**BF^***BILL CYCLE NUMBER*!	Billing cycle
N1^**8S^^1^***CMP DUNS NUMBER*!	CMP DUNS number
N1^**SJ^^9^***CEP DUNS +4 NUMBER*!	CEP DUNS +4 number
DTM^**434^***BILLING DATE*!	Billing date
IT1^*LINE ITEM COUNTER^^^^^***SV^ELECTRIC^C3^***ACCOUNT***^^^EQ^NR**!	Indicates electric service
REF^**11^***CEP ACCOUNT NUMBER*!	CEP customer account number
REF^**12^***CMP ACCOUNT NUMBER*!	CMP customer account number
DTM^**186^***PERIOD START DATE*!	Start date of period
DTM^**187^***PERIOD END DATE*!	End date of period
IT1^*LINE ITEM COUNTER^^^^^***SV^ELECTRIC^C3^***METER***^MB^TOU^EQ^NR**!	Indicates electric service
TXI^**SU^***CURRENT SALES TAX AMOUNT^^^^^***A**!	Sales tax amount
MEA^*TYPE OF READING^^USAGE/DEMAND VALUE^TYPE OF USAGE^^^TYPE OF USAGE*!	On peak usage or demand measurement
MEA^*TYPE OF READING^^USAGE/DEMAND VALUE^TYPE OF USAGE^^^TYPE OF USAGE*!	Off peak usage or demand measurement
MEA^*TYPE OF READING^^USAGE/DEMAND VALUE^TYPE OF USAGE^^^TYPE OF USAGE*!	Shoulder usage or demand measurement
REF^**RB^***CEP RATE CODE*!	CEP rate code
REF^**PRT^***TYPE OF SERVICE INDICATOR*!	Type of service indicator
REF^**MG^***METER NUMBER*!	Meter number
DTM^**186^***PERIOD START DATE*!	Start date of period
DTM^**187^***PERIOD END DATE*!	End date of period
SLN^*LOOP COUNTER^^***A**!	
SAC^**C^^EU^***TYPE OF CHARGE^AMOUNT*!	On peak charge
SLN^*LOOP COUNTER^^***A**!	
SAC^**C^^EU^***TYPE OF CHARGE^AMOUNT*!	Off peak charge
SLN^*LOOP COUNTER^^***A**!	
SAC^**C^^EU^***TYPE OF CHARGE^AMOUNT*!	Shoulder charge
TDS^*TOTAL AMOUNT BILLED*!	Total amount

File ID 3B (810 - 2)

Transaction #9
Day #4

This is an example of an 810-2. This invoice is for multiple services (two meters) with Consolidated Billing Option.

BIG^*FILEDATE^INVOICE NUMBER^^^^^***CI*!	Invoice number
REF^**BLT^LDC**!	Billing option
REF^**BF^***BILL CYCLE NUMBER*!	Billing cycle
N1^**8S^^1^***CMP DUNS NUMBER*!	CMP DUNS number
N1^**SJ^^9^***CEP DUNS +4 NUMBER*!	CEP DUNS +4 number
DTM^**434^***BILLING DATE*!	Billing date
IT1^*LINE ITEM COUNTER^^^^^***SV^ELECTRIC^C3^ACCOUNT^^^EQ^NR**!	Indicates electric service
REF^**11^***CEP ACCOUNT NUMBER*!	CEP customer account number
REF^**12^***CMP ACCOUNT NUMBER*!	CMP customer account number
DTM^**186^***PERIOD START DATE*!	Start date of period
DTM^**187^***PERIOD END DATE*!	End date of period
IT1^*LINE ITEM COUNTER^^^^^***SV^ELECTRIC^C3^METER^MB^NT^EQ^NR**!	Indicates electric service
TXI^**SU^***CURRENT SALES TAX AMOUNT^^^^^***A*!	Sales tax amount
MEA^*TYPE OF READING^^USAGE/DEMAND VALUE^TYPE OF USAGE^^^TYPE OF USAGE*!	Type of usage or demand measurement
REF^**RB^***CEP RATE CODE*!	CEP rate code
REF^**PRT^***TYPE OF SERVICE*!	Type of service
REF^**MG^***METER NUMBER*!	Only 1st meter number
DTM^**186^***PERIOD START DATE*!	Start date of period
DTM^**187^***PERIOD END DATE*!	End date of period
SLN^*LOOP COUNTER^^***A**!	
SAC^**C^^EU^***TYPE OF CHARGE^AMOUNT*!	
TDS^*TOTAL AMOUNT BILLED*!	Total amount

File ID 3B (810 - 2)

Transaction #10
Day #4

This is an example of an 810-2. This invoice is for a single service kWh meter with Consolidated Billing Option (estimated reading).

BIG^*FILEDATE^INVOICENUMBER^^^^^***CI**!	Invoice number
REF^**BLT^LDC**!	Billing option
REF^**BF**^*BILL CYCLE NUMBER*!	Billing cycle
N1^**8S**^^**1**^*CMP DUNS NUMBER*!	CMP DUNS number
N1^**SJ**^^**9**^*CEP DUNS +4 NUMBER*!	CEP DUNS +4 number
DTM^**434**^*BILLING DATE*!	Billing date
IT1^*LINE ITEM COUNTER*^^^^**SV^ELECTRIC^C3^***ACCOUNT*^^^**EQ^NR**!	Indicates electric service
REF^**11**^*CEP ACCOUNT NUMBER*!	CEP customer account number
REF^**12**^*CMP ACCOUNT NUMBER*!	CMP customer account number
DTM^**186**^*PERIOD START DATE*!	Start date of period
DTM^**187**^*PERIOD END DATE*!	End date of period
IT1^*LINE ITEM COUNTER*^^^^**SV^ELECTRIC^C3^***METER*^**MB^NT^EQ^NR**!	Indicates electric service
TXI^**SU**^*CURRENT SALES TAX AMOUNT*^^^^^**A**!	Sales tax amount
MEA^*TYPE OF READING*^^*USAGE/DEMAND VALUE*^*TYPE OF USAGE*^^^*TYPE OF USAGE*!	Type of usage or demand measurement
REF^**RB**^*CEP RATE CODE*!	CEP rate code
REF^**PRT**^*TYPE OF SERVICE*!	Type of service indicator
REF^**MG**^*METER NUMBER*!	Meter number
DTM^**186**^*PERIOD START DATE*!	Start date of period
DTM^**187**^*PERIOD END DATE*!	End date of period
SLN^*LOOP COUNTER*^^**A**!	
SAC^**C**^^**EU**^*TYPE OF CHARGE*^*AMOUNT*!	Customer invoice type and amount charged
TDS^*TOTAL AMOUNT BILLED*!	Total amount

File ID 3B (810 - 2)

Transaction #11
Day #4

This is an example of an 810-2. This invoice is for a residential kWh meter with Consolidated Billing Option. This customer is moving out of the CMP service territory.

BIG^*FILEDATE^INVOICE NUMBER^^^^^***FB**!	Invoice number
REF^**BLT^LDC**!	Billing option
REF^**BF^***BILL CYCLE NUMBER*!	Billing cycle
N1^**8S^^1^***CMP DUNS NUMBER*!	CMP DUNS number
N1^**SJ^^9^***CEP DUNS +4 NUMBER*!	CEP DUNS +4 number
DTM^**434^***BILLING DATE*!	Billing date
IT1^*LINE ITEM COUNTER^^^^^***SV^ELECTRIC^C3^ACCOUNT^^^EQ^NR**!	Indicates electric service
REF^**11^***CEP ACCOUNT NUMBER*!	CEP customer account number
REF^**12^***CMP ACCOUNT NUMBER*!	CMP customer account number
DTM^**186^***PERIOD START DATE*!	Start date of period
DTM^**187^***PERIOD END DATE*!	End date of period
IT1^*LINE ITEM COUNTER^^^^^***SV^ELECTRIC^C3^METER^MB^NT^EQ^NR**!	Indicates electric service
TXI^**SU^***CURRENT SALES TAX AMOUNT^^^^^***A**!	Sales tax amount
MEA^*TYPE OF READING^^USAGE/DEMAND VALUE^TYPE OF USAGE^^^TYPE OF USAGE*!	Type of usage or demand measurement
REF^**RB^***CEP RATE CODE*!	CEP rate code
REF^**PRT^***TYPE OF SERVICE INDICATOR*!	Type of service indicator
REF^**MG^***METER NUMBER*!	Meter number
DTM^**186^***PERIOD START DATE*!	Start date of period
DTM^**187^***PERIOD END DATE*!	End date of period
SLN^*LOOP COUNTER^^***A**!	
SAC^**C^^EU^***TYPE OF CHARGE^AMOUNT*!	Customer invoice type and amount charged
TDS^*TOTAL AMOUNT BILLED*!	Total amount

File ID 3B (810 - 2)

Transaction #12
Day #4

This is an example of an 810-2. This invoice is for 7 non-metered services (7 streetlights - 3 streetlights are one unique rate plan and 4 streetlights are another unique rate plan) with Consolidated Billing Option.

BIG^*FILEDATE^INVOICENUMBER^^^^***CI**!	Invoice number
REF^**BLT^LDC**!	Billing option
REF^**BF^***BILL CYCLE NUMBER*!	Billing cycle
N1^**8S^^1^***CMP DUNS NUMBER*!	CMP DUNS number
N1^**SJ^^9^***CEP DUNS +4 NUMBER*!	CEP DUNS +4 number
DTM^**434^***BILLING DATE*!	Billing date
IT1^*LINE ITEM COUNTER^^^^***SV^ELECTRIC^C3^***ACCOUNT^^^***EQ^NR**!	Indicates electric service
REF^**11^***CEP ACCOUNT NUMBER*!	CEP customer account number
REF^**12^***CMP ACCOUNT NUMBER*!	CMP customer account number
DTM^**186^***PERIOD START DATE*!	Start date of period
DTM^**187^***PERIOD END DATE*!	End date of period
IT1^*LINE ITEM COUNTER^^^^***SV^ELECTRIC^C3^UNMET^^^***EQ^NR**!	Indicates non-metered service
TXI^**SU^***CURRENT SALES TAX AMOUNT^^^^***A**!	Sales tax amount
MEA^*TYPE OF READING^^USAGE/DEMAND VALUE^TYPE OF USAGE^^^TYPE OF USAGE*!	Type of usage or demand measurement
REF^**QQ^N^***NUMBER OF NON-METERED UNITS*!	Indicates number of non-metered units
REF^**RB^***CEP RATE CODE*!	CEP rate code
REF^**PRT^***TYPE OF SERVICE INDICATOR*!	Type of service
REF^**NH^** *NON-METERED RATE PLAN CODE*!	Non-metered rate plan code
REF^**SC^U^** *NON-METERED RATE PLAN DESCRIPTION*!	Non-metered rate plan description
DTM^**186^***PERIOD START DATE*!	Start date of period
DTM^**187^***PERIOD END DATE*!	End date of period
SLN^*LOOP COUNTER^^***A**!	
SAC^**C^^EU^***TYPE OF CHARGE^*AMOUNT*!	Customer invoice type and amount charged
IT1^*LINE ITEM COUNTER ^^^^^***SV^ELECTRIC^C3^UNMET^^^***EQ^NR**!	Indicates non-metered service
TXI^**SU^***CURRENT SALES TAX AMOUNT^^^^***A**!	Sales tax amount
MEA^*TYPE OF READING^^USAGE/DEMAND VALUE^TYPE OF USAGE^^^TYPE OF USAGE*!	Type of usage or demand measurement
REF^**QQ^N^***NUMBER OF NON-METERED UNITS*!	Indicates number of non-metered units
REF^**RB^***CEP RATE CODE*!	CEP rate code
REF^**PRT^***TYPE OF SERVICE INDICATOR*!	Type of service
REF^**NH^** *NON-METERED RATE PLAN CODE!*	Non-metered rate plan code
REF^**SC^U^***NON-METERED RATE PLAN DESCRIPTION*!	Non-metered rate plan description
DTM^**186^***PERIOD START DATE*!	Start date of period
DTM^**187^***PERIOD END DATE*!	End date of period
SLN^*LOOP COUNTER^^***A**!	

SAC^**C**^^**EU**^*TYPE OF CHARGE*^*AMOUNT*!	Customer invoice type and amount charged
TDS^*TOTAL AMOUNT BILLED*!	Total amount

Sample Test Diagrams (820)

File ID-4B (820)

The following transactions are examples of 820 Remittance Advice Data.

Transaction #1:   This is an example of a single service CMP billing and the bill is paid in full.

Transaction #2:   This is an example of a Payment Adjustment. The payment is removed from Transaction #1 customer account. The payment was applied to the wrong customer account.

Transaction #3:   This is an example of the misapplied payment now reposted to the correct customer account.

Transaction #4:   This customer switches to a new CEP. Transfer receivable arrears back to the old CEP.

Transaction #5:   The customer payment made is NSF (Non-Sufficient Funds). The check payment bounced.

Transaction #6:   This is a transfer of receivables between accounts. The customer receivables are removed from the first account number.

Transaction #7:   This is a transfer of receivables between accounts. The customer's receivables are transferred and applied to the second account number.

The ENT, RMR, REF and DTM segments loop are repeated for each of the seven business transactions. The ENT, RMR, REF and DTM segments loop has been alternately shaded for easy review.

File ID-4B (820) CONT'D

BPR**^I^**_DOLLAR AMOUNT_**^C^ACH^^^^^^^^^^**_POSSIBLE SETTLEMENT DATE_!	Payment advice - dollar amount is always positive
REF**^TN^**_UNIQUE TRACKING NUMBER_!	Unique tracking number
DTM**^097^**_FILE CREATION DATE_!	File creation date
N1**^8S^^1^**_CMP DUNS NUMBER_!	CMP DUNS number
N1**^SJ^^9^**_CEP DUNS +4 NUMBER_!	CEP DUNS +4 number
ENT^_ITEMCOUNTER_!	Number assigned to each ENT
RMR**^12^**_CMP ACCOUNT NUMBER_**^PO^**_AMOUNT PAID_!	Dollar amount paid on customer's account number
REF**^11^**_CEP CUSTOMER NUMBER_!	CEP customer account number
DTM**^809^**_POSTING DATE_!	Date the payment is posted to customers account
ENT^ _ITEMCOUNTER_!	Number assigned to each ENT
RMR**^12^**_CMP CUSTOMER ACCT NUMBER_**^AJ^**_CORRECTION AMOUNT_**^^^CS^** _CORRECTION AMOUNT_!	Customer account number-payment applied to the incorrect account.
REF**^11^**_CEP CUSTOMER NUMBER_!	CEPs customer account number
DTM**^809^**_POSTING DATE_!	Date incorrect payment removed from the customer's account
ENT^_ITEMCOUNTER_!	Number assigned to each ENT
RMR**^12^**_CMP ACCOUNT NUMBER_**^PO^**_AMOUNT PAID_!	Dollar amount paid on customer's account number
REF**^11^**_CEP CUSTOMER NUMBER_!	CEP customer account number
DTM**^809^**_POSTING DATE_!	Date the payment is posted to customer's account
ENT^_ITEMCOUNTER_!	Number assigned to each ENT
RMR**^12^**_CMP CUSTOMER ACCT NUMBER_**^AJ^**_CORRECTION AMOUNT_**^^^BD^**_CORRECTION AMOUNT_!	Customer account number and write-off dollar amount
REF**^11^**_CEP CUSTOMER NUMBER_!	CEPs customer account number
DTM**^809^**_POSTING DATE_!	Date bad debt written-off
ENT^_ITEMCOUNTER_!	Number assigned to each ENT
RMR**^12^**_CMP CUSTOMER ACCT NUMBER_**^AJ^**_CORRECTION AMOUNT_**^^^IF^**_CORRECTION AMOUNT_!	Customer account number and non-sufficient funds check amount
REF**^11^**_CEP CUSTOMER NUMBER_!	CEPs customer account number
DTM**^809^**_POSTING DATE_!	Date NSF check applied to the customer's account
ENT^_ITEM COUNTER_!	Number assigned to each ENT
RMR**^12^**_CMP OLD CUSTOMER ACCT NUMBER_**^AJ^**_CORRECTION AMOUNT_**^^^DI^**_CORRECTION AMOUNT_!	Customer's old account number and the correction amount
REF**^11^**_CEP CUSTOMER NUMBER_!	CEPs customer account number
DTM**^809^**_POSTING DATE_!	Date amount is removed/corrected on the customer's account
ENT^ _ITEM COUNTER_!	Number assigned to each ENT
RMR**^12^**_CMP NEW ACCOUNT NUMBER_**^PO^**_AMOUNT PAID_!	Dollar amount paid on customer's account number
REF**^11^**_CEP CUSTOMER NUMBER_!	CEP customer account number
DTM**^809^**_POSTING DATE_!	Date the payment is posted to customer's account

Sample Test Diagram for (824)

File ID-3A (824)

Transaction #1
Day #5

This is an example of an 824 Error Response to a previous 820. A CEP sends back an error response to CMP.

BGN^**11**^*UNIQUE TRACKING NUMBER^FILEDATE*!	Unique tracking number
N1^**8S**^^**1**^*CMP DUNS*!	CMP DUNS number
REF^**12**^*CMP COMPANY ACCOUNT NUMBER*!	CMP account number
N1^**SJ**^^**9**^*CEP DUNS +4*!	CEP DUNS +4 number
REF^**11**^*CEP ACCOUNT NUMBER*!	CEP account number
OTI^**TR**^**TN**^*ORIGINALUNIQUE TRACKING NUMBER*^^^^^^ *TRANSACTION SET IDENTIFIER*!	Unique transaction identifier (from the original transaction) and indicates which transaction set (810, 820, 867).
DTM^**703**^*ORIGINAL TRANSACTION DATE*!	Original transaction date
TED^**848**^**346**^*ERROR DESCRIPTION CODE*!	Error description code

File ID-3A (824)

Transaction #2
Day #5

This is an example of an 824. The CEP is sending an 824 back to CMP with an 810-1 or 810-2 usage or billing error.

BGN^**11**^*UNIQUE TRACKING NUMBER^FILEDATE*!	Unique tracking number
N1^**8S^^1**^*CMP DUNS*!	CMP DUNS number
REF^**12**^*CMP COMPANY ACCOUNT NUMBER*!	CMP account number
N1^**SJ^^9**^*CEP DUNS +4*!	CEP DUNS +4 number
REF^**11**^*CEP ACCOUNT NUMBER*!	CEP account number
OTI^**TR^TN**^*ORIGINALUNIQUE TRACKING NUMBER^^^^^^ TRANSACTION SET IDENTIFIER*!	Unique transaction identifier (from the original transaction) and indicates which transaction set (810, 820, 867).
DTM^**703**^*ORIGINAL TRANSACTION DATE*!	Original transaction date
TED^**848^244**^*ERROR DESCRIPTION CODE*!	Error description code

Sample Test Diagram for (810-3)

File ID 5B

Transaction # 1,2,3   810-3 (Daily SOP Invoices)
Transaction # 4:   824 (Error Response)

This is an example of an 810-3 for Standard Offer Providers. This is a daily invoice sent to Standard Offer Providers for Residential and Small General Service rate classes.

Transaction #1
Day #1

BIG^*FILEDATE^INVOICE NUMBER*^^^^^**RP**!	Type of invoice being sent
REF^**BLT^LDC**!	Billing option-LDC
REF^**BF**^*BILLING CYCLE*!	Billing cycle
N1^**8S**^^**1**^*CMP DUNS NUMBER*!	CMP DUNS number
N1^**SJ**^^ **9**^*STANDARD OFFER PROVIDERS DUNS+4 NUMBER*!	Standard offer providers DUNS +4 number
DTM^**434**^*BILLING DATE*!	Billing date
IT1^*LINE ITEM COUNTER*^^^^^**SV^ELECTRIC^C3^RATE**^^^**EQ^NR**!	Indicates rate class
MEA^**AN**^^*USAGE*^**KH**^^^**51**!	Total kWh hours
REF^**11**^*STANDARD OFFER*!	Standard Offer Provider account number
REF^**12**^*STANDARD OFFER*!	CMP Standard Offer account number
REF^**RB**^*SOPSR/SOPSS* ^*NUMBER OF ACCOUNTS IN RATE CLASS*!	Standard offer rate class and number of customers in the rate class. SOPSR =residential SOPSS= small commercial
DTM^**187**^ *SERVICE PERIOD END DATE*!	Indicates service period end date
SLN^*LOOP COUNTER*^^**A**!	Loop of current billed amounts
SAC^**C**^^**EU^ENC001**^*TOTAL AMOUNT*!	Standard offer provider total amount due
SLN^*LOOP COUNTER*^^**A**!	Loop of current billed amounts
SAC^**A**^^**EU^COL001**^*AMOUNT OF RETAINAGE*!	Retainage amount
TDS^*NET AMOUNT DUE TO STANDARD OFFER PROVIDER*!	Net amount due to standard offer provider minus retainage

File ID 5B

Transaction # 2	810-3 (Daily SOP Invoices)
Transaction # 4:	824 (Error Response)

This is an example of an 810-3 for Standard Offer Providers. This is a daily invoice sent to Standard Offer Providers for the Medium Commercial rate class.

Transaction #2
Day #1

BIG^*FILEDATE^INVOICE NUMBER*^^^^**RP**!	Type of invoice being sent
REF^**BLT^LDC**!	Billing option-LDC
REF^**BF**^*BILLING CYCLE*!	Billing cycle
N1^**8S^^1**^*CMP DUNS NUMBER*!	CMP DUNS number
N1^**SJ^^ 9**^*STANDARD OFFER PROVIDERS DUNS+4 NUMBER*!	Standard offer providers DUNS +4 number
DTM^**434**^*BILLING DATE*!	Billing date
IT1^*LINE ITEM COUNTER*^^^^^**SV^ELECTRIC^C3^RATE^^^EQ^NR**!	Indicates rate class
MEA^**AN**^^*USAGE*^**KH^^^51**!	Total kWh hours
REF^**11**^*STANDARD OFFER*!	Standard Offer Provider account number
REF^**12**^*STANDARD OFFER*!	CMP Standard Offer account number
REF^**RB**^*SOPMD^NUMBER OF ACCOUNTS IN RATE CLASS*!	Standard offer rate class and number of customers in the rate class SOPMD=medium non-residential
DTM^**187**^ *SERVICE PERIOD END DATE*!	Indicates service period end date
SLN^*LOOP COUNTER*^^**A**!	Loop of current billed amounts
SAC^**C**^^**EU^ENC001**^*TOTAL AMOUNT*!	Standard offer provider total amount due
SLN^*LOOP COUNTER*^^**A**!	Loop of current billed amounts
SAC^**A**^^**EU^COL001**^*AMOUNT OF RETAINAGE*!	Retainage amount
TDS^*NET AMOUNT DUE TO STANDARD OFFER PROVIDER*!	Net amount due to standard offer provider minus retainage

Sample Test Diagram for (810-3)
File ID 5B

This is an example of an 810-3 for Standard Offer Providers. This is a daily invoice sent to Standard Offer Providers for the Large Commercial Rate Class. This example demonstrates the invoice has time-of-use components.
Transaction # 3
Day #1

BIG^*FILEDATE^INVOICE NUMBER*^^^^^**RP**!	Type of invoice being sent
REF^**BLT^LDC**!	Billing option-LDC
REF^**BF**^*BILLING CYCLE*!	Billing cycle
N1^**8S^^1**^*CMP DUNS NUMBER*!	CMP DUNS number
N1^**SJ^^9**^*STANDARD OFFER PROVIDERS DUNS+4 NUMBER*!	Standard offer providers DUNS +4
DTM^**434**^*BILLING DATE*!	Billing date
IT1^*LINE ITEM COUNTER*^^^^^**SV^ELECTRIC^C3^RATE**^^^**EQ^NR**!	Indicates rate loop
MEA^**AN**^^*USAGE*^**KH**^^^*42*!	Indicates on peak measurement and value assigned to it
MEA^**AN**^^*USAGE*^**KH**^^^*66*!	Indicates shoulder measurement and value assigned to it
MEA^**AN**^^*USAGE*^**KH**^^^*41*!	Indicates off peak measurement and value assigned to it
MEA^**AN**^^*USAGE*^**K1**^^^*42*!	Indicates on peak measurement and value assigned to it
MEA^**AN**^^*USAGE*^**K1**^^^*66*!	Indicates shoulder measurement and value assigned to it
REF^**11**^*STANDARD OFFER*!	Standard Offer
REF^**12**^*STANDARD OFFER*!	Standard Offer
DTM^**187**^ *SERVICE PERIOD END DATE*!	Indicates service period end date
REF^**RB**^*SOPLG*^ *NUMBER OF ACCOUNTS IN RATE CLASS*!	Standard offer rate class and number of accounts SOPLG=large nonresidential rate class
SLN^*LOOP COUNTER*^^**A**!	Loop of current billed amounts
SAC^**C**^^**EU^ENC037**^*ON PEAK AMOUNT*!	Standard offer provider on peak amount due
SLN^*LOOP COUNTER*^^**A**!	Loop of current billed amounts
SAC^**C**^^**EU^ENC038**^*SHOULDER AMOUNT*!	Standard offer provider shoulder amount due
SLN^*LOOP COUNTER*^^**A**!	Loop of current billed amounts
SAC^**C**^^**EU^ENC003**^*OFF PEAK AMOUNT*!	Standard offer provider off peak amount due
SLN^*LOOP COUNTER*^^**A**!	Loop of current billed amounts
SAC^**C**^^**EU^DMD007**^*ON PEAK AMOUNT*!	Standard offer provider on peak demand amount due
SLN^*LOOP COUNTER*^^**A**!	Loop of current billed amounts
SAC^**C**^^**EU^DMD029**^*SHOULDER AMOUNT*!	Standard offer provider shoulder demand amount due
SLN^*LOOP COUNTER*^^**A**!	Loop of current billed amounts
SAC^**A**^^**EU^COL001**^*AMOUNT OF RETAINAGE*!	Retainage amount
TDS^*NET AMOUNT DUE TO STANDARD OFFER PROVIDER*!	Net amount due to standard offer provider minus retainage

File ID 5A (824)

Transaction # 4
Day # 2

This is an example of an 824. The SOP is sending an 824 back to CMP with an error response **"invalid supplier rate class".**

BGN^**11**^*UNIQUE TRACKING NUMBER^FILEDATE*!	Unique tracking number
N1^**8S^^1**^*CMP DUNS*!	CMP DUNS number
REF^**12**^*CMP COMPANY ACCOUNT NUMBER*!	CMP account number
N1^**SJ^^9**^*CEP DUNS +4*!	CEP DUNS +4 number
REF^**11**^*CEP ACCOUNT NUMBER*!	CEP account number
OTI^**TR^TN**^*ORIGINALUNIQUE TRACKING NUMBER^^^^^^ TRANSACTION SET IDENTIFIER*!	Unique transaction identifier (from the original transaction) and indicates which transaction set (810, 820, 867).
DTM^**703**^*ORIGINAL TRANSACTION DATE*!	Original transaction date
TED^**848^209**^*ERROR DESCRIPTION CODE*!	Error description code

Sample Test Diagrams for (814-10)

File ID-6A

This is an example of an 814-10. This is a Historical Usage Request from a CEP. The CEP will receive an 867 Customer Usage History response back. This customer has one commercial meter and two area lights.

BGN^**13**^*UNIQUE TRACKING NUMBER^FILEDATE*!	Request customer historical usage data
N1^**8S**^^**1**^*CMP DUNS NUMBER*!	CMP DUNS number
N1^**SJ**^^**9**^*CEP DUNS +4 NUMBER*!	CEP DUNS +4 number
LIN^*LINE ITEM*^**SH**^**EL**^**SH**^**HU**!	Request for historical usage
ASI^**7**^**066**!	Indicates request for historical usage
REF^**12**^*CMP ACCOUNT NUMBER*!	CMP customer account number
NM1^**MQ**^**3**!	
REF^**PRT**^**A**!	Indicates type of service

Sample Test Diagrams (867)

File ID-6B

This is an example of an 867. This customer has one commercial meter and two area lights with 12 months of history. The PTD loop for each type of service is repeated for each of the 12 months.

BPT^**52**^*UNIQUE TRACKING NUMBER^FILEDATE^***DD**!	Indicates historical usage
N1^**8S**^^**1**^*CMP DUNS NUMBER*!	CMP DUNS number
REF^**12**^*CMP ACCOUNT NUMBER*!	CMP customer account number
N1^**SJ**^^**9**^*CEP DUNS+ 4 NUMBER*!	CEP DUNS +4 number
REF^**SPL**^*STANDARD POINT LOCATION*!	Point customer is connected to ISO-NE grid
PTD^**PM**^^^**OZ**^**EL**!	Readings are per meter
REF^**NH**^*CMP RATE CODE*!	CMP rate code
REF^**PRT**^*TYPE OF SERVICE INDICATOR*!	Indicates type of service
REF^**MG**^*METER NUMBER*!	Meter number
QTY^**QD**^^^**NV**!	Indicates quantity
MEA^**AN**^^*USAGE/DEMAND*^**KH**^^^**51**!	Indicates amount of usage and type of usage
DTM^**187**^*READ DATE*!	Read date
QTY^**QD**^^^**NV**!	Indicates quantity
MEA^**AN**^^*USAGE/DEMAND*^**K1**^^^**42**!	Indicates amount of usage and type of usage
DTM^**187**^*READ DATE*!	Read date
PTD^**PM**^^^**OZ**^**EL**!!	Readings are per meter
REF^**NH**^*CMP RATE CODE*!	CMP rate code
REF^**PRT**^*TYPE OF SERVICE INDICATOR*!	Indicates type of service
REF^**SC**^**U**^*NON-METERED SERVICE*!	Indicates non-metered service #1
QTY^**QD**^^^**NV**!	Indicates quantity
MEA^**AN**^^*USAGE/DEMAND*^**KH**^^^**51**!	Indicates amount of usage and type of usage
DTM^**187**^*READ DATE*!	Read date
PTD^**PM**^^^**OZ**^**EL**!	Readings are per meter
REF^**NH**^*CMP RATE CODE*!	CMP rate code
REF^**PRT**^*TYPE OF SERVICE INDICATOR*!	Indicates type of service
REF^**SC**^**U**^*NON-METERED SERVICE*!	Indicates non-metered service #2
QTY^**QD**^^^**NV**!	Indicates quantity
MEA^**AN**^^*USAGE/DEMAND*^**KH**^^^**51**!	Indicates amount of usage and type of usage
DTM^**187**^*READ DATE*!	Read date

Sample Test Diagram for (814-10)

File ID-6A (814-10)

Transaction #2
  This is an example of an 814-10. This is a Historical Usage Request from a CEP. The CEP will receive an 867 Customer Usage History response back. This is a customer with a residential meter.

BGN^**13**^*UNIQUE TRACKING NUMBER^FILEDATE*!	Request customer historical usage data
N1^**8S^^1**^*CMP DUNS NUMBER*!	CMP DUNS number
N1^**SJ^^9**^*CEP DUNS +4 NUMBER*!	CEP DUNS +4 number
LIN^*LINE ITEM*^**SH^EL^SH^HU**!	Request for historical usage
ASI^**7^066**!	Indicates request for historical usage
REF^**12**^*CMP ACCOUNT NUMBER*!	CMP customer account number
NM1^**MQ^3**!	
REF^**PRT^A**!	Indicates type of service

Sample Test Diagrams (867)

File ID-6B (867)

Transaction #2

This is an example of an 867. This customer has a residential meter. The QTY loop will repeat for each register. The PTD loop will repeat for each of the 12 months.

BPT^**52**^*UNIQUE TRACKING NUMBER^FILEDATE*^**DD**!	Indicates historical usage
N1^**8S^^1**^*CMP DUNS NUMBER*!	CMP DUNS number
REF^**12**^*CMP ACCOUNT NUMBER*!	CMP customer account number
N1^**SJ^^9**^*CEP DUNS+ 4 NUMBER*!	CEP DUNS +4 number
REF^**SPL**^*STANDARD POINT LOCATION*!	Point customer is connected to ISO-NE grid
PTD^**PM**^^^**OZ**^**EL**!	Readings are per meter
REF^**NH**^*CMP RATE CODE*!	CMP rate code
REF^**PRT**^*TYPE OF SERVICE INDICATOR*!	Indicates type of service
REF^**MG**^*METER NUMBER*!	Meter number
QTY^**QD**^^^**NV**!	Indicates quantity
MEA^**AN**^^*USAGE/DEMAND*^**KH**^^^**51**!	Indicates total kWh amount of usage and type of usage

Sample Test Diagrams (997)

This is an example of a 997, in response to sending an erroneous transaction to a Supplier. Each transaction should reflect the status of each transaction exchanged between CMP and it's trading partners, so the AK2 loop could be repeated, as needed. A 997 will be sent/received in response to all transactions.

Accepted 810 Transaction

AK1^*FUNCTIONAL GROUP ID^GROUP CONTROL NUMBER*!	Group control number of functional group for transaction set responding to
AK2^*TRANSACTION SET ID^TRANSACTION CONTROL NUMBER*!	Unique control number of the transaction within the functional group
AK5^**A**!	Transaction sent was accepted
AK9^**A**^*TOTAL NUMBER OF TRANSACTIONS SENT^TOTAL NUMBER OF TRANSACTIONS RECEIVED^TOTAL NUMBER OF ACCEPTED TRANSACTIONS*!	Status of the functional group responding to

Rejected 810 Transaction

AK1^ *FUNCTIONAL GROUP ID ^GROUP CONTROL NUMBER*!	Group control number of functional group for transaction set responding to
AK2^^*TRANSACTION CONTROL NUMBER*!	Indicates type of service
AK5^**R**^*ERROR CODE*!	Transaction sent was rejected
AK9^**R**^*TOTAL NUMBER OF TRANSACTIONS SENT^TOTAL NUMBER OF TRANSACTIONS RECEIVED^TOTAL NUMBER OF ACCEPTED TRANSACTIONS*!	Status of the functional group responding to