Pacific Gas and Electric Company™

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Electronic Data Interchange

867 v.4010
Tutorial

(Last revision on March 1, 2004)

TABLE OF CONTENTS

OUTBOUND 867

MONTHLY:

INTERVAL:

HISTORICAL:

METER CHANGE:

INBOUND 867

INTERVAL:

GAS:

MONTHLY-OUT – NON-TOTALIZED METER WITH KILOWATT HOUR (KH) ORIGINAL DATA

MDMA/UTILITY ✍ ESP
(PG&E ACTING AS MDMA)

HEADING:
ST*867*000000524!
> Start of 867 with transaction set ID.

BPT*00*199904300015*19990430*DD**0223!**
> Original Usage (00) with record ID 199904300015 for a monthly non-TOU and date, time.

N1*551*006912877**41!**
> MDMA with DUNS # is the Submitter.

REF*10*000006599458!
> MDMA's XREF ID for the End-use customer.

N1*8S1*006912877**41!**
> Utility (PG&E) with DUNS # is the Submitter.

REF*12*000006599458!
> PG&E's XREF ID.

N1*SJ1*797859832**40!**
> ESP with DUNS # is the Receiver.

REF*11*100000722!
> ESP's customer account number.

DETAIL:
PTD*PM*OZ*EL!**
> Start of non-totalized monthly kilowatt hour (from last REF below) usage for the unit of measure for Electric Meter Usage.

DTM*150**DT*199903131500!**
> Service Period Start.

DTM*151**DT*199904151500!**
> Service Period End.

REF*JH*A!
> Meter Role = Additive.

REF*LU1014328000006599458!**
> Service Delivery Point number.

REF*MG*0K0897!
> Meter Number.

REF*MT*KHMON!
> Meter Data Type = Monthly Kilowatt Hour (KHMON).

QTY*32*315!
> Customer's Normal Usage.

MEAMU*5*KH**2163!**
> Multiplier of 5 with Kilowatt Hour (KH) ending read of 2163.

SUMMARY:
SE*18*000000524!
> End of transaction with 18 transmitted segments (including SE) and the transaction set ID.

**MONTHLY-OUT – NON-TOTALIZED METER WITH KILOWATT DEMAND (K1)
CORRECTED DATA**

MDMA/UTILITY ✍ ESP
(PG&E ACTING AS MDMA)

HEADING:
ST*867*000000526!
> Start of 867 with transaction set ID.

BPT*CO*199904300015*19990430*DD**0223!**
> Corrected Usage (CO) transaction with transaction set ID for a monthly non-TOU and date, time.

N1*551*006912877**41!**
> MDMA with DUNS # is the Submitter.

REF*10*000006599458!
> MDMA's XREF ID for the end-use customer.

N1*8S1*006912877**41!**
> Utility (PG&E) with DUNS # is the Submitter.

REF*12*000006599458!
> PG&E's XREF ID for the end-use customer.

N1*SJ1*797859832**40!**
> ESP with DUNS # is the Receiver.

REF*11*100000722!
> ESP's customer account number.

DETAIL:
PTD*PM*OZ*EL!**
> Non-totalized monthly kilowatt demand (from last REF below) usage for the unit of measure for
> Electric Meter Usage (EL).

DTM*150**DT*199903131400!**
> Service Period Start.

DTM*151**DT*199904151400!**
> Service Period End.

REF*JH*A!
> Meter Role = Additive.

REF*LU1014328000006599458!**
> Service Delivery Point number.

REF*MG*0K0897!
> Meter Number.

REF*MT*K1MON!
> Meter Data Type = Monthly Kilowatt Demand (K1MON).

QTY*A5*14400!
> Customer's Adjusted Usage = 14,400.

MEAMU*10*K1**21423!**
> Multiplier of 1 with Kilowatt Demand (K1) Ending read of 21423.

SUMMARY:
SE*18*000000526!
> End of transaction with 18 transmitted segments (including SE) and transaction set ID.

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MONTHLY-OUT, TOU – NON-TOTALIZED METER WITH KILOWATT HOUR (KH) AND KILOWATT DEMAND (K1) ORIGINAL DATA

MDMA/UTILITY ✍ ESP
(PG&E ACTING AS MDMA)

HEADING:
ST*867*000000657!
>   Start of 867 with transaction set ID.

BPT*00*199904300002*19990430*C2**0223!**
>   Original Usage (00) transaction with transaction record ID. This is a Cumulative/Monthly with Time-of-Use (C2) and date, time.

N1*551*006912877**41!**
>   MDMA with DUNS # is the Submitter.

REF*10*000006542222!
>   MDMA's XREF ID for the End-use Customer.

N1*8S1*006912877**41!**
>   Utility (PG&E) with DUNS # is the Submitter.

REF*12*000006542222!
>   PG&E's XREF ID for the End-use Customer.

N1*SJ1*797859832**40!**
>   ESP with DUNS # is the Receiver.

REF*11*100002222!
>   ESP's customer account number.

DETAIL:

(1st PTD loop):

PTD*PM*OZ*EL!**
>   Start of non-totalized monthly kilowatt hour (from last REF below in 1st PTD Loop) usage for the first unit of measure. The commodity is Electric (EL).

DTM*150**DT*199903161300!**
>   Service Period Start.

DTM*151**DT*199904151300!**
>   Service Period End.

REF*JH*A!
>   Meter Role = Additive.

REF*LU1014328000006542222!**
>   Service Delivery Point number.

REF*MG*487R22!
>   Meter Number.

REF*MT*KHMON!
>   Meter Data Type = Monthly Kilowatt Hours (KHMON).

QTY*32*0!
>   Customer's Normal usage 0 Kilowatt Hours for the service period 199903161300 to 199904151300.

MEAMU*1*KH**96000*45!**
>   Multiplier is 1 with Kilowatt Hours (KH) ending read of 96000 during *Summer On-Peak* (45) period.

QTY*32*3569!
>   Customer's Normal usage is 3,569 Kilowatt Hours for the service period 199903161300 to 199904151300.

MEAMU*1*KH**77152*74!**
>   Multiplier is 1 with Kilowatt Hours (KH) ending read of 77152 during *Summer Mid-Peak* (74) period.

QTY*32*3614!

Customer's Normal usage is 3,614 Kilowatt Hours for the service period 199903161300 to 199904151300.

MEA**MU*1*KH**49820*73!

Multiplier is 1 with Kilowatt Hours (KH) ending read of 49820 during ***Summer Off-Peak*** (73) period.

QTY*32*7183!

Customer's Normal usage is 7,183 Kilowatt Hours for the service period 199903160759 to 199904150759.

MEA**MU*1*KH**222972*51!

Multiplier is 1 with a ***Total*** (51) Kilowatt Hours (KH) Ending read of 222972.

<div align="center">

(2nd PTD Loop):

</div>

PTD*PM***OZ*EL!

Start of non-notalized monthly kilowatt demand (from last REF below in 2nd PTD Loop) usage for the second unit of measure. The commodity is Electric (EL).

DTM*150****DT*199903161300!

Service Period Start.

DTM*151****DT*199904151300!

Service Period End.

REF*JH*A!

Meter Role = Additive.

REF*LU**1014328000006542222!

Service Delivery Point number.

REF*MG*487R22!

Meter Number.

REF*MT*K1MON!

Meter Data Type = Monthly Kilowatt Demand (K1MON).

QTY*32*0!

Customer's Normal usage is 0 Kilowatt Demand for the service period 1999031601900 to 199904151900.

MEA**MU*1*K1**0*45!

Multiplier is 1 with no Kilowatt Demand (K1) ending read during ***Summer On-Peak*** (45) period.

QTY*32*17!

Customer's Normal usage is 17 Kilowatt Demand for the service period 199903161300 to 199904151300.

MEA**MU*1*K1**1745*74!

Multiplier is 1 with a Kilowatt Demand (K1) ending read of 1745 during ***Summer Mid-Peak*** (74) period.

QTY*32*18!

Customer's Normal usage is 18 Kilowatt Demand for the service period 199903161300 to 199904151300.

MEA**MU*1*K1**1791*73!

Multiplier is 1 with Kilowatt Demand (K1) ending read of 1791. This is a ***Summer Off-Peak*** (73) period.

QTY*32*35!

Customer's Normal usage is 35 Kilowatt Hours for the service period 199903160759 to 199904150759.

MEA**MU*1*K1**3536*51!

Multiplier is 1 with a ***Total*** (51) Kilowatt Demand (K1) ending read of 3536.

SUMMARY:

SE*39*000000657!

End of transaction with 39 transmitted segments (including SE) and transaction set ID.

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MONTHLY-OUT, TOU – NON-TOTALIZED METER WITH KILOWATT HOUR (KH) AND KILOWATT DEMAND (K1) CORRECTED DATA

MDMA/UTILITY ✍ ESP
(PG&E ACTING AS MDMA)

HEADING:
ST*867*000000659!
> Start of 867 with transaction set ID.

BPT*CO*199904300004*19990430*C2**0130!**
> Corrected usage (CO) transaction with transaction record ID and date, time. This is a Cumulative/Monthly with Time-of-Use (C2).

N1*551*006912877**41!**
> MDMA with DUNS # is the Submitter.

REF*10*000006544444!
> MDMA's XREF ID for the end-use Customer.

N1*8S1*006912877**41!**
> Utility (PG&E) with DUNS # is the Submitter.

REF*12*000006544444!
> PG&E's XREF ID for the end-use customer.

N1*SJ1*797859832**40!**
> ESP with DUNS # is the Receiver.

REF*11*100004444!
> ESP's Account Number for the end-use customer.

DETAIL:

<div align="center">

(1st PTD Loop):

</div>

PTD*PM*OZ*EL!**
> Start of non-totalized monthly kilowatt hour (from last REF below from 1st PTD Loop) usage for the first unit of measure. The commodity is Electric (EL).

DTM*150**DT*199903161000!**
> Service Period Start.

DTM*151**DT*199904151000!**
> Service Period End.

REF*JH*A!
> Meter Role (JH) = Additive

REF*LU1014328000006544444!**
> Service Delivery Point number.

REF*MG*487R44!
> Meter Number = 487R44.

REF*MT*KHMON!
> Meter Data Type = Monthly Kilowatt Hour (KHMON).

QTY*32*0!
> Customer's Normal usage is 0 Kilowatt Hour for the service period 199903161000 to 199904151000.

MEAMU*1*KH**76000*45!**
> Multiplier is 1 with a Kilowatt Hour (KH) Ending read of 76000 during **Summer On-Peak** (45) period.

QTY*A5*356!
> Customer's Adjusted usage is 356 Kilowatt Hour for the service period 199903161000 to 199904151000.

MEAMU*1*KH**77152*74!**
> Multiplier is 1 with a Kilowatt Hour (KH) Ending read of 77152 during **Summer Mid-Peak** (74) period.

QTY*32*250!

> Customer's Normal usage is 250 Kilowatt Hour for the service period 199903161000 to 199904151000.

MEAMU*1*KH**49820*73!**

> Multiplier is 1 with a Kilowatt Hour (KH) Ending read of 49820 during **Summer Off-Peak** (73) period.

QTY*32*606!

> Customer's Normal usage is 606 Kilowatt Hours for the service period 199903161000 to 199904151000.

MEAMU*1*KH**202972*51!**

> Multiplier is 1 with a **Total** (51) Kilowatt Hours (KH) Ending read of 202972.

<div align="center">*(2nd PTD Loop):*</div>

PTD*PM*OZ*EL!**

> Start of non-totalized monthly kilowatt demand (from last REF below from 2nd PTD Loop) usage for the second unit of measure. The commodity is Electric (EL).

DTM*150**DT*199903161000!**

> Service Period Start.

DTM*151**DT*199904151000!**

> Service Period End.

REF*JH*A!

> Meter role = Additive.

REF*LU1014328000006544444!**

> Service delivery point number.

REF*MG*487R44!

> Meter number.

REF*MT*K1MON!

> Meter data type = Monthly Kilowatt Demand (K1MON).

QTY*32*0!

> Customer's Normal usage is 0 Kilowatt Demand for the service period 199903161000 to 199904151000.

MEAMU*1*K1**0*45!**

> Multiplier is 1 with a Kilowatt Demand (K1) Ending read of 0 during **Summer On-Peak** (45) period.

QTY*A5*17!

> Customer's Adjusted usage is 17 Kilowatt Demand for the service period 199903161000 to 199904151000.

MEAMU*1*K1**1745*74!**

> Multiplier is 1 with a Kilowatt Demand (K1) Ending of 1745 during **Summer Mid-Peak** (74) period.

QTY*32*18!

> Customer's Normal usage is 18 Kilowatt Demand for the service period 199903161000 to 199904151000.

MEAMU*1*K1**1791*73!**

> Multiplier is 1 with a Kilowatt Demand (K1) Ending read of 1791 during **Summer Off-Peak** (73) period.

QTY*32*35!

> Customer's Normal usage is 35 Kilowatt Hours for the service period 199903161000 to 199904151000.

MEAMU*1*K1**3536*51!**

> Multiplier is 1 with a **Total** (51) Kilowatt Demand (K1) Ending read of 3536.

SUMMARY:

SE*39*000000659!

> End of transaction with 39 transmitted segments (including SE) and transaction set ID.

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MONTHLY-OUT – ORIGINAL DATA FOR UNMETERED USAGE

MDMA/UTILITY ✍ ESP
(PG&E ACTING AS MDMA)

HEADING:
ST*867*000000662!
> Start of 867 with transaction set ID.

BPT*00*199904300007*19990430*DD**0223!**
> Original usage (00) transaction with transaction record ID, date and time. This is a cumulative/monthly without Time-of-Use (DD).

N1*551*006912877**41!**
> MDMA with DUNS # is the Submitter.

REF*10*000012345553!
> MDMA's XREF ID for the end-use customer.

N1*8S1*006912877**41!**
> Utility (PG&E) with DUNS # is the Submitter.

REF*12*000012345553!
> PG&E's XREF ID for the end-use customer.

N1*SJ1*797859832**40!**
> ESP with DUNS # is the Receiver

REF*11*100005553!
> ESP's account number for the end-use customer.

DETAIL:
PTD*SU*OZ*EL!**
> Start of UnMetered (from last REF below) usage for the unit of measure. The commodity is Electric (EL).

DTM*150**DT*199903310800!**
> Service period Start.

DTM*151**DT*199904290800!**
> Service period End.

REF*JH*A!
> Meter Role = Additive.

REF*LU1014328000012345553!**
> Service Delivery Point number.

REF*SC*U!
> Non-Metered Accounts = Un-Metered.

QTY*32*100!
> Customer's Normal usage is 100 for the service period 199903310800 to 199904290800.

SUMMARY:
SE*16*000000662!
> End of transaction with 16 transmitted segments (including SE) and transaction set ID.

MONTHLY-OUT - DEMAND WITH KILOWATT HOUR (KH) ORIGINAL DATA

MDMA/UTILITY ✍ ESP
(PG&E ACTING AS MDMA)

HEADING:
ST*867*000000669!
>   Start of 867 with transaction set ID.

BPT*00*199904300015*19990430*DD**0223!**
>   Original Usage (00) transaction with transaction record ID for Monthly Demand (DD), date and time.

N1*551*006912877**41!**
>   MDMA with DUNS # is the Submitter.

REF*10*000006599458!
>   MDMA's XREF ID for the end-use customer.

N1*8S1*006912877**41!**
>   Utility (PG&E) with DUNS # is the Submitter.

REF*12*000006599458!
>   PG&E's XREF ID for the end-use customer.

N1*SJ1*797859832**40!**
>   ESP with DUNS # is the Receiver.

REF*11*100000722!
>   ESP's Account Number for the end-use customer.

DETAIL:

(1st PTD Loop):

PTD*PM*OZ*EL!**
>   Start of non-totalized monthly kilowatt hour (from last REF below in 1st PTD Loop) usage for the unit of measure for Electric Meter Usage (EL).

DTM*150**DT*199903131500!**
>   Service Period Start.

DTM*151**DT*199904151500!**
>   Service Period End.

REF*JH*A!
>   Meter Role = Additive.

REF*LU1014328000006599458!**
>   Service Delivery Point number.

REF*MG*0K0897!
>   Meter Number.

REF*MT*KHMON!
>   Meter Data Type = Monthly Kilowatt Hour (KHMON).

QTY*32*2048!
>   Customer's Normal Usage is 2,048.

MEAMU*1*KH**27166!**
>   Multiplier of 1 with Kilowatt Hour (KH) Ending read of 27166.

(2nd PTD Loop):

PTD*PM*OZ*EL!**
>   Start of non-totalized monthly kilowatt demand (from last REF below in 2nd PTD Loop) usage for the unit of measure for Electric Meter Usage (EL).

DTM*150**DT*199903131500!**
>   Service Period Start.

DTM*151**DT*199904151500!**
>   Service Period End.

REF*JH*A!
       Meter Role = Additive.
REF*LU1014328000006599458!**
       Service Delivery Point number.
REF*MG*0K0897!
       Meter Number = 0K0897.
REF*MT*K1MON!
       Meter Data Type = Monthly Kilowatt Demand (K1MON).
QTY*32*3500!
       Customer's Normal Usage = 3,500.
MEAMU*1*K1**33050!**
       Multiplier of 1 with Kilowatt Demand (K1) ending read of 33050.

<u>SUMMARY:</u>
SE*27*000000669!
       End of transaction with 27 transmitted segments (including SE) and transaction set ID.

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INTERVAL-OUT – NON-TOTALIZED METER WITH KILOWATT HOUR (KH) CORRECTED DATA

MDMA/UTILITY ✍ ESP
(PG&E ACTING AS MDMA)

HEADING:
ST*867*000000663!
> Start of 867 with transaction set ID.

BPT*CO*199904300008*19990430*C1**0223!**
> Corrected usage (CO) transaction with transaction record ID for an Interval Meter (C1) and date, time.

N1*551*006912877**41!**
> MDMA with DUNS # is the Submitter.

REF*10*000012416666!
> MDMA's XREF ID for the end-use customer.

N1*8S1*006912877**41!**
> Utility (PG&E) with DUNS # is the Submitter.

REF*12*000012416666!
> PG&E's XREF ID for the end-use customer.

N1*SJ1*797859832**40!**
> ESP with DUNS # is the Receiver.

REF*11*100006666!
> ESP's Account Number for this customer.

DETAIL:
PTD*PM*OZ*EL!**
> Start of non-notalized interval kilowatt hour (from last REF below) usage for the unit of measure for Electric Meter Usage (EL).

DTM*150**DT*199904010815!**
> Service Period Start.

DTM*151**DT*199904300800!**
> Service Period End.

REF*JH*A!
> Meter Role = Additive.

REF*LU1014328000012416666!**
> Service Delivery Point number.

REF*MG*2059R6!
> Meter Number.

REF*MT*KH015!
> Meter Data Type = Kilowatt Hour in 15 minute intervals (KH015).

QTY*32*145.5!
> Customer's Normal Usage is 145.5 KH for the service period ending 199904010815 in the following DTM.

DTM*151**DT*199904010815!**
> Service Period End for above QTY usage.

QTY*32*148!
> Customer's Normal Usage is 148 KH for the service period ending 199904010830 in the following DTM.

DTM*151**DT*199904010830!**
> Service Period End for above QTY usage.

QTY*A5*150.5!

Customer's Adjusted Usage is 150.5 KH for the service period ending 199904010845 in the following DTM.

DTM*151****DT*199904010845!

Service Period End for the above QTY usage.

etc.

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QTY*32*274.5!

Customer's Normal Usage is 274.5 KH for the service period ending 199904300730 in the following DTM.

DTM*151****DT*199904300730!

Service Period End for above QTY usage.

QTY*32*273!

Customer's Normal Usage is 273 KH for the service period ending 199904300745 in the following DTM.

DTM*151****DT*19990430745!

Service Period End for above QTY usage.

QTY*32*274.5!

Customer's Normal Usage is 274.5 KH for the service period ending 199904300800 in the following DTM.

DTM*151****DT*19990430800!

Service Period End for above QTY usage.

SUMMARY:

SE*5776*000000663!

End of transaction set with 5,776 transmitted segmentss (including SE) and transaction set ID.

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INTERVAL-OUT - NON-TOTALIZED METER WITH KILOWATT HOUR (KH) DUPLICATE (RESEND) DATA

MDMA/UTILITY ✍ ESP
(PG&E ACTING AS MDMA)

HEADING:
ST*867*000000664!
      Start of 867 with transaction set ID.
BPT*07*199904300009*19990430*C1**0223!**
      Duplicate/Resend (07) transaction with transaction record ID for an Interval Meter (C1) and date, time.
N1*551*006912877**41!**
      MDMA with DUNS # is the Submitter.
REF*10*000012417777!
      MDMA's XREF ID for the end-use customer.
N1*8S1*006912877**41!**
      Utility (PG&E) with DUNS # is the Submitter.
REF*12*000012417777!
      PG&E's XREF ID for the end-use customer.
N1*SJ1*797859832**40!**
      ESP with DUNS # is the Receiver.
REF*11*100007777!
      ESP's Account Number for the end-use customer.

DETAIL:
PTD*PM*OZ*EL!**
      Start of non-totalized interval kilowatt hour (from last REF below) usage for the unit of measure for Electric Meter Usage (EL).
DTM*150**DT*199905010815!**
      Service Period Start.
DTM*151**DT*199905310800!**
      Service Period End.
REF*JH*A!
      Meter Role = Additive.
REF*LU1014328000012417777!**
      Service Delivery Point number.
REF*MG*2059R7!
      Meter Number.
REF*MT*KH015!
      Meter Data Type = Kilowatt Hour in 15 minute intervals (KH015).
QTY*32*145.5!
      Customer's Normal Usage is 145.5 KH for the service period ending 199905010815 in the following DTM.
DTM*151**DT*199905010815!**
      Service Period End for above QTY usage.
QTY*32*145.5!
      Customer's Normal Usage is 145.5 KH for the service period ending 199905010830 in the following DTM.
DTM*151**DT*199905010830!**
      Service Period End for above QTY usage.
QTY*A5*145.5!
      Customer's Adjusted is 145.5 KH for the service period ending 199905010845 in the following DTM.

DTM*151**DT*199905010845!**
> Service Period End for above QTY usage.

> **etc.**
> .
> .
> .
> .
> .

QTY*32*274.5!
> Customer's Normal Usage is 274.5 KH for the service period ending 199905310730 in the following DTM.

DTM*151**DT*199905310730!**
> Service Period End for above QTY usage.

QTY*32*273!
> Customer's Normal Usage is 273 KH for the service period ending 199905310745 in the following DTM.

DTM*151**DT*199905310745!**
> Service Period End for above QTY usage.

QTY*32*274.5!
> Customer's Normal Usage is 274.5 KH for the service period ending 199905310800 in the following DTM.

DTM*151**DT*199905310800!**
> Service Period End for above QTY usage.

<u>**SUMMARY:**</u>
SE*5776*000000664!
> End of transaction set with 5,776 transmitted segmentss (including SE) and transaction set ID.

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INTERVAL-OUT - NON-TOTALIZED METER WITH KILOVOLT AMPERES REACTIVE HOUR (K3) ORIGINAL READS

MDMA/UTILITY ✍ ESP
(PG&E ACTING AS MDMA)

HEADING:
ST*867*000000666!
> Start of 867 with transaction set ID.

BPT*00*199904300011*19990430*C1**0223!**
> Original Usage (00) transaction with transaction record ID for an Interval Meter (C1) and date, time.

N1*551*006912877**41!**
> MDMA with DUNS # is the Submitter.

REF*10*000012419999!
> MDMA's XREF ID for the end-use customer.

N1*8S1*006912877**41!**
> Utility (PG&E) with DUNS # is the Submitter.

REF*12*000012419999!
> PG&E's XREF ID for the end-use customer.

N1*SJ1*797859832**40!**
> ESP with DUNS # is the Receiver.

REF*11*100009999!
> ESP's Account Number for the end-use customer.

DETAIL:
PTD*PM*OZ*EL!**
> Start of non-totalized interval kilovolt amperes reactive hour (from last REF below) usage for the unit of measure for Electric Meter Usage (EL).

DTM*150**DT*199907010815!**
> Service Period Start.

DTM*151**DT*199907310800!**
> Service Period End.

REF*JH*A!
> Meter Role = Additive.

REF*LU1014328000012419999!**
> Service Delivery Point number.

REF*MG*2059R9!
> Meter Number.

REF*MT*K3015!
> Meter Data Type = Kilovolt Amperes Reactive Hour in 15 minute intervals (K3015).

QTY*32*145.5!
> Customer's Normal Usage is 145.5 KVARH for the service period ending 199907010815 in the following DTM.

DTM*151**DT*199907010815!**
> Service Period End for above QTY usage.

QTY*32*145.5!
> Customer's Normal Usage is 145.5 KVARH for the service period ending 199907010830 in the following DTM.

DTM*151**DT*199907010830!**
> Service Period End for above QTY usage.

QTY*A5*145.5!
> Customer's Adjusted Usage is 145.5 KVARH for the service period ending 199907010845 in the following DTM

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DTM*151****DT*199907010845!

Service Period End for above QTY usage.

etc.

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QTY*32*274.5!

Customer's Normal Usage is 274.5 KVARH for the service period ending 199907310730 in the following DTM.

DTM*151****DT*199907310730!

Service Period End for above QTY usage.

QTY*32*273!

Customer's Normal Usage is 273 KVARH for the service period ending 199907310745 in the following DTM.

DTM*151****DT*199907310745!

Service Period End for the above QTY usage.

QTY*32*274.5!

Customer's Normal Usage is 274.5 KVARH for the service period ending 199907310800 in the following DTM.

DTM*151****DT*199907310800!

Service Period End for the above QTY usage.

SUMMARY:

SE*5776*000000666!

End of transaction set with 5,776 transmitted segments (including SE) and transaction set ID.

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RESPONSE TO REQUEST FOR 12-MONTH HISTORICAL DATA FOR NON-TOTALIZED KILOWATT HOUR (KH) METER

MDMA/UTILITY ✍ ESP
(PG&E ACTING AS MDMA)

HEADING:
ST*867*000000665!
>   Start of 867 with transaction set ID.

BPT*52*199904300010*19990430*C2**0223!**
>   Response to a Request for Historical Meter Data (52) with transaction record ID and represented as Cumulative values (C2).

N1*8S1*006912877**41!**
>   Utility (PG&E) with DUNS # is the Submitter.

REF*12*000012418888!
>   PG&E's XREF ID for the end-use customer is 000012411234.

N1*SJ1*797859832**40!**
>   ESP with DUNS # 797859832 is the Receiver .

REF*11*100008888!
>   ESP's Account Number for the end-use customer is 100008888.

DETAIL:
PTD*PM*OZ*EL!**
>   Start of non-totalized monthly kilowatt hour (from last REF below) usage for the unit of measure for Electric Meter Usage (EL).

DTM*150**DT*199806280800!**
>   Service Period Start.

DTM*151**DT*199906290800!**
>   Service Period End.

REF*JH*A!
>   Meter role = Additive .

REF*LU1014328000012418888!**
>   Service Delivery Point number.

REF*MG*2059R8!
>   Meter Number.

REF*MT*KHMON!
>   Meter Data Type = Kilowatt Hour for a one month period (KHMON).

QTY*32*17325!
>   Customer's Normal Usage is 17,325 KH for service period ending 199807270800 in the following DTM.

DTM*151**DT*199807270800!**
>   Service Period End for above QTY usage.

QTY*32*17325!
>   Customer's Normal Usage is 17,325 KH for service period ending 199808260800 in the following DTM.

DTM*151**DT*199808260800!**
>   Service Period End for above QTY usage.

QTY*A5*145.5!
>   Customer's Adjusted Usage is 145.5 KH for the service period ending 199809280800 in the following DTM.

DTM*151**DT*199809280800!**
>   Service Period End for above QTY usage.

>   **etc.**

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QTY*32*17325!
> Customer's Normal Usage is 17325 KH for the service period ending 199904280800 in the following DTM.

DTM*151****DT*199904280800!
> Service Period End for above QTY usage.

QTY*32*17325!
> Customer's Normal Usage is 17325 KH for the service period ending 199905280800 in the following DTM.

DTM*151****DT*199905280800!
> Service Period End for above QTY usage.

QTY*32*17325!
> Customer's Normal Usage is 17325 KH for the service period ending 199906290800 in the following DTM.

DTM*151****DT*199906290800!
> Service Period End for above QTY usage.

<u>**SUMMARY:**</u>
SE*40*000000665!
> End of transaction set with 40 transmitted segmentss (including SE) and transaction set ID.

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METER CHANGE FROM CUMULATIVE TO INTERVAL DATA - 4/1/99 TO 4/30/99
(PART 1 – 4/1/99 TO 4/15/99)

MDMA/UTILITY ✍ ESP
(PG&E ACTING AS MDMA)

<u>**HEADING:**</u>
ST*867*000000670!
>	Start of 867 with transaction set ID.

BPT*CO*199904300001*19990415*C2**0223!**
>	Corrected Usage (CO) transaction with transaction record ID for Monthly Demand (DD) and date, time.

N1*551*006912877**41!**
>	MDMA with DUNS # is the Submitter .

REF*10*000006541111!
>	MDMA's XREF ID for the end-use customer.

N1*8S1*0123456789**41!**
>	Utility (PGE&) with DUNS # is the Submitter .

REF*12*000006541111!
>	PG&E's XREF ID for the end-use customer.

N1*SJ1*797859832**40!**
>	ESP with DUNS # is the Receiver .

REF*11*100001111!
>	ESP's Account Number for the end-use customer.

<u>**DETAIL:**</u>
PTD*PM*OZ*EL!**
>	Start of non-totalized monthly kilovolt amperes reactive hour (from last REF below) usage for the unit of measure for Electric Meter Usage (EL).

DTM*150**DT*199904010800!**
>	Service Period Start.

DTM*151**DT*199904150800!**
>	Service Period End.

REF*JH*A!
>	Meter Role = Additive .

REF*LU1014328000006541111!**
>	Service Delivery Point number..

REF*MG*487R11!
>	Meter Number.

REF*MT*K3MON!
>	Meter Data Type = Monthly Kilovolt Amperes Reactive Hours (K3MON).

QTY*A5*0!
>	Customer's Adjusted Usage is 0.

MEAMU*1*K3**96000*45!**
>	Multiplier of 1 with Kilovolt Amperes Reactive Hours (K3) ending read of 96000 during ***Summer On-Peak*** (45) period.

QTY*32*200!
>	Customer's Normal Usage is 200.

MEAMU*1*K3**77152*74!**
>	 Multiplier of 1 for Kilovolt Amperes Reactive Hour (K3) ending read of 77152 during ***Summer Mid-Peak*** (74) period.

QTY*32*279!
>	Customer's Normal Usage is 279.

MEA**MU*1*K3**49820*73!

     Multiplier of 1 for Kilovolt Amperes Reactive Hour (K3) ending read of 49820 during **Summer Off-Peak** (73) period.

QTY*32*479!

     Customer's Normal Usage is 479.

MEA**MU*1*K3**222972*51!

     Multiplier of 1 for a **Total** (51) Kilovolt Amperes Reactive Hour (K3) ending read of 222972.

<u>**SUMMARY:**</u>

SE*24*000000670!

     End of transaction set with 24 transmitted segments (including SE) and transaction set ID.

<u>*PART 2 – NEXT PAGE*</u>

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METER CHANGE FROM CUMULATIVE TO INTERVAL DATA – 4/1/99 TO 4/30/99
(PART 2 – 4/15/99 TO 4/30/99)

MDMA/UTILITY ✎ ESP
(PG&E ACTING AS MDMA)

HEADING:
ST*867*000000671!
>   Start of 867 with transaction set ID.

BPT*CO*199904300001*19990430*C2**0223!**
>   Corrected Usage (CO) transaction with transaction record ID for Monthly Demand (DD) and date,
>   time.

N1*551*006912877**41!**
>   MDMA with DUNS # is the Submitter .

REF*10*000006541111!
>   MDMA's XREF ID for the end-use customer.

N1*8S1*0123456789**41!**
>   Utility (PG&E) with DUNS # is the Submitter .

REF*12*000006541111!
>   PG&E's XREF ID for the end-use customer.

N1*SJ1*797859832**40!**
>   ESP with DUNS # is the Receiver .

REF*11*100001111!
>   ESP's Account Number for the end-use customer.

DETAIL:
PTD*PM*OZ*EL!**
>   Start of non-totalized kilowatt hour (from last REF below) usage for the unit of measure for
>   Electric Meter Usage (EL).

DTM*150**DT*1999004160800!**
>   Service Period Start.

DTM*151**DT*199904300800!**
>   Service Period End.

REF*JH*A!
>   Meter Role = Additive .

REF*LU1014328000012419999!**
>   Service Delivery Point number.

REF*MG*2063R9!
>   Meter Number.

REF*MT*KH015!
>   Meter Data Type = Kilowatt Hour in 15 minute intervals (K3015).

QTY*32*145.5!
>   Customer's Normal Usage is 145.5 KH for the service period ending 199904160815 in the
>   following DTM.

DTM*151**DT*199904160815!**
>   Service Period End for above QTY usage.

QTY*32*145.5!
>   Customer's Normal Usage is 145.5 KH for the service period ending 199904160830 in the
>   following DTM.

DTM*151**DT*199904160830!**
>   Service Period End for above QTY usage.

QTY*A5*145.5!
>   Customer's Adjusted Usage is 145.5 KH for the service period ending 199904160845 in the
>   following DTM.

DTM*151****DT*199904160845!
> Service Period End for above QTY usage.

> **etc.**
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QTY*32*274.5!
> Customer's Normal Usage is 274.5 KH for the service period ending 199904300730 in the
> following DTM.

DTM*151****DT*199904300730!
> Service Period End for above QTY usage.

QTY*32*273!
> Customer's Normal Usage is 273 KH for the service period ending 199904300745 in the following
> DTM.

DTM*151****DT*199904300745!
> Service Period End for above QTY usage.

QTY*32*274.5!
> Customer's Normal Usage is 274.5 KH for the service period ending 199904300800 in the
> following DTM.

DTM*151****DT*199904300800!
> Service Period End for above QTY usage.

<u>**SUMMARY:**</u>
SE*5776*000000666!
> End of transaction set with 5,776 transmitted segments (including SE) and transaction set ID.

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PG&E

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INTERVAL-IN - NON-TOTALIZED METER WITH KILOWATT HOUR (KH) CORRECTED DATA

MDMA ✍ UTILITY/ESP

HEADING:
ST*867*000000663!
>   Start of 867 with transaction set ID.

BPT*CO*199904300008*19990430*C1**0223!**
>   Corrected usage (CO) transaction with transaction record ID for Interval Meter (C1) and date, time.

N1*SJ1*123456789**41!**
>   MDMA with DUNS # is the Submitter .

REF*10*000121212121!
>   MDMA's Account Number for this customer.

N1*8S1*0006912877**40!**
>   Utility (PG&E) with DUNS # is the Receiver .

REF*12*000012416666!
>   PG&E's XREF ID for this customer.

N1*SJ1*797859832**40!**
>   ESP with DUNS # is the Receiver .

REF*11*100006666!
>   ESP's Account Number for this customer.

DETAIL:
PTD*PM*OZ*EL!**
>   Start of non-totalized interval kilowatt hour (from last REF below) usage for the unit of measure for Electric Meter Usage (EL).

DTM*150**DT*199907010815!**
>   Service Period Start.

DTM*151**DT*199907310800!**
>   Service Period End.

REF*JH*A!
>   Meter Role = Additive .

REF*LU1014328000012416666!**
>   Service Delivery Point number.

REF*MG*2059R6!
>   Meter Number.

REF*MT*KH015!
>   Meter Data Type = Kilowatt Hour in 15 minute intervals (KH015).

QTY*32*145.5!
>   Customer's Normal Usage is 145.5 KVARH for the service period ending 199907010815 in the following DTM.

DTM*151**DT*199907010815!**
>   Service Period End for the above QTY usage.

QTY*32*145.5!
>   Customer's Normal Usage is 145.5 KVARH for the service period ending 199907010830 in the following DTM.

DTM*151**DT*199907010830!**
>   Service Period End for the above QTY usage.

QTY*A5*145.5!
>   Customer's Adjusted Usage is 145.5 KVARH for the service period ending 199907010845 in the following DTM

.
DTM*151****DT*199907010845!
> Service Period End for the above QTY usage.

> **etc.**
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> .

QTY*32*274.5!
> Customer's Normal Usage is 274.5 KVARH for the service period ending 199907310730 in the following DTM.

DTM*151****DT*199907310730!
> Service Period End for the above QTY usage.

QTY*32*273!
> Customer's Normal Usage is 273 KVARH for the service period ending 199907310745 in the following DTM.

DTM*151****DT*199907310745!
> Service Period End for the above QTY usage.

QTY*32*274.5!
> Customer's Normal Usage is 274.5 KVARH for the service period ending 199907310800 in the following DTM.

DTM*151****DT*199907310800!
> Service Period End for the above QTY usage.

SUMMARY:
SE*5776*000000663!
> End of transaction set with 5,776 transmitted segments (including SE) and transaction set ID.

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INTERVAL-IN - NON-TOTALIZED METER WITH DUPLICATE (RESEND) DATA

MDMA ✍ UTILITY/ESP

HEADING:
ST*867*000000664!
  Start of 867 with transaction set ID.
BPT*07*199904300009*19990430*C1**0223!**
  Duplicate/Resend (07) transaction with transaction record ID for Interval Meter (C1) and date, time.
N1*551*123456789**41!**
  MDMA with DUNS # is the Submitter .
REF*10*000121212121!
  MDMA's Account Number for this customer.
N1*8S1*0006912877**41!**
  Utility (PG&E) with DUNS # is the Receiver .
REF*12*000012417777!
  PG&E's XREF ID for this customer.
N1*SJ1*797859832**40!**
  ESP with DUNS # is the Receiver .
REF*11*100007777!
  ESP's Account Number for this customer.

DETAIL:
PTD*PM*OZ*EL!**
  Start of non-totalized interval kilowatt hour (from last REF below) usage for the unit of measure for
  Electric Meter Usage (EL).
DTM*150**DT*199907010815!**
  Service Period Start.
DTM*151**DT*199907310800!**
  Service Period End.
REF*JH*A!
  Meter Role = Additive .
REF*LU1014328000012417777!**
  Service Delivery Point number.
REF*MG*2059R7!
  Meter Number.
REF*MT*KH015!
  Meter Data Type = Kilowatt Hour in 15 minute intervals (KH015).
QTY*32*145.5!
  Customer's Normal Usage is 145.5 KVARH for the service period ending 199907010815 in the
  following DTM.
DTM*151**DT*199907010815!**
  Service Period End for the above QTY usage.
QTY*32*145.5!
  Customer's Normal Usage is 145.5 KVARH for the service period ending 199907010830 in the
  following DTM.
DTM*151**DT*199907010830!**
  Service Period End for the above QTY usage.
QTY*A5*145.5!
  Customer's Adjusted Usage is 145.5 KVARH for the service period ending 199907010845 in the
  following DTM.
DTM*151**DT*199907010845!**
  Service Period End for the above QTY usage.

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etc.
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QTY*32*274.5!
      Customer's Normal Usage is 274.5 KVARH for the service period ending 199907310730 in the following DTM.
DTM*151****DT*199907310730!
      Service Period End for the above QTY usage.
QTY*32*273!
      Customer's Normal Usage is 273 KVARH for the service period ending 199907310745 in the following DTM.
DTM*151****DT*199907310745!
      Service Period End for the above QTY usage.
QTY*32*274.5!
      Customer's Normal Usage is 274.5 KVARH for the service period ending 199907310800 in the following DTM.
DTM*151****DT*199907310800!
      Service Period End for the above QTY usage.

SUMMARY:
SE*5776*000000664!
      End of transaction set with 5,776 transmitted segments (including SE) and transaction set ID.

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INTERVAL-IN - NON-TOTALIZED METER WITH KILOVOLT AMPERES REACTIVE HOUR (K3) ORIGINAL DATA

MDMA ✍ UTILITY/ESP

HEADING:
ST*867*000000666!
> Start of 867 with transaction set ID.

BPT*00*199904300011*19990430*C1**0223!**
> Original Usage (00) transaction with transaction record ID for an Interval Meter (C1) and date, time.

N1*551*123456789**41!**
> MDMA with DUNS # is the Submitter .

REF*10*000121212121!
> MDMA's Account Number for this customer

N1*8S1*006912877**40!**
> Utility (PG&E) with DUNS # is the Receiver .

REF*12*000012419999!
> PG&E's XREF ID for this customer.

N1*SJ1*797859832**40!**
> ESP with DUNS # is the Receiver .

REF*11*100009999!
> ESP's Account Number for this customer.

DETAIL:
PTD*PM*OZ*EL!**
> Start of non-totalized interval kilovolt amperes reactive hour (from last REF below) usage for the unit of measure for Electric Meter Usage (EL).

DTM*150**DT*199907010815!**
> Service Period Start.

DTM*151**DT*199907310800!**
> Service Period End.

REF*JH*A!
> Meter Role = Additive .

REF*LU1014328000012419999!**
> Service Delivery Point number.

REF*MG*2059R9!
> Meter Number.

REF*MT*K3015!
> Meter Data Type is Kilovolt Amperes Reactive Hour in 15 minute intervals (K3015).

QTY*32*145.5!
> Customer's Normal Usage is 145.5 KVARH for the service period ending 199907010815 in the following DTM.

DTM*151**DT*199907010815!**
> Service Period End for the above QTY usage.

QTY*32*145.5!
> Customer's Normal Usage is 145.5 KVARH for the service period ending 199907010830 in the following DTM.

DTM*151**DT*199907010830!**
> Service Period End for the above QTY usage.

QTY*32*145.5!
> Customer's Normal Usage is 145.5 KVARH for the service period ending 199907010845 in the following DTM.

DTM*151****DT*199907010845!
> Service Period End for the above QTY usage.

> **etc.**
> .
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> .

QTY*32*274.5!
> Customer's Normal Usage is 274.5 KVARH for the service period ending 199907310730 in the following DTM.

DTM*151****DT*199907310730!
> Service Period End for the above QTY usage.

QTY*32*273!
> Customer's Normal Usage is 273 KVARH for the service period ending 199907310745 in the following DTM.

DTM*151****DT*199907310745!
> Service Period End for the above QTY usage.

QTY*32*274.5!
> Customer's Normal Usage is 274.5 KVARH for the service period ending 199907310800 in the following DTM.

DTM*151****DT*199907310800!
> Service Period End for the above QTY usage.

SUMMARY:
SE*5776*000000666!
> End of transaction set with 5,776 transmitted segments (including SE) and transaction set ID.

MONTHLY/DAILY-OUTBOUND – GAS THERMS ORIGINAL DATA

MDMA/UTILITY ✍ ESP
(PG&E ACTING AS MDMA)

HEADING:
ST*867*000000524!
> Start of 867 with transaction set ID.

BPT*00*199904300015*19990430*DD**0223!**
> Original Usage (00) with record ID 199904300015 for a monthly non-TOU and date, time.

N1*551*006912877**41!**
> MDMA with DUNS # is the Submitter.

REF*10*000006599458!
> MDMA's ACCT # for the End-use customer.

N1*8S1*006912877**41!**
> Utility (PG&E) with DUNS # is the Submitter.

REF*12*000006599458!
> PG&E's ACCT #.

N1*SJ1*797859832**40!**
> ESP with DUNS # is the Receiver.

REF*11*100000722!
> ESP's customer account number.

DETAIL:
PTD*PM*OZ*GS!**
> Start of monthly (from last REF below) usage for the unit of measure for Gas Meter Usage.

DTM*150**DT*199903131500!**
> Service Period Start.

DTM*151**DT*199904151500!**
> Service Period End.

REF*LU1014328000006599458!**
> Service Delivery Point number.

REF*MG*0K0897!
> Meter Number.

REF*MT*GSMON!
> Meter Data Type = Monthly Gas Usage.

QTY*32*315!
> Customer's Normal Usage.

MEACF**CF*68038*70955**
> Previous and current meter reads.

MEAMU*1.016*TD**216!**
> Therm factor Multiplier of 1.016 with therms totaling 216.

SUMMARY:
SE*18*000000524!
> **End of transaction with 18 transmitted segments (including SE) and the transaction set ID.**

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RESPONSE TO REQUEST FOR 12-MONTH HISTORICAL DATA FOR GAS (THERMS)

MDMA/UTILITY ✍ ESP
(PG&E ACTING AS MDMA)

HEADING:
ST*867*000000665!
> Start of 867 with transaction set ID.

BPT*52*199904300010*19990430*C2****0223!
> Response to a Request for Historical Meter Data (52) with transaction record ID and represented as Cumulative values (C2).

N1*8S**1*006912877**41!
> Utility (PG&E) with DUNS # is the Submitter.

REF*12*000012418888!
> PG&E's XREF ID for the end-use customer is 000012411234.

N1*SJ**1*797859832**40!
> ESP with DUNS # 797859832 is the Receiver .

REF*11*100008888!
> ESP's Account Number for the end-use customer is 100008888.

DETAIL:
PTD*PM***OZ*GS!
> Start of monthly therms (from last REF below) usage for the unit of measure for Gas Meter usage.

DTM*150****DT*199806280800!
> Service Period Start.

DTM*151****DT*199906290800!
> Service Period End.

REF*LU**1014328000012418888!
> Service Delivery Point number.

REF*MG*2059R8!
> Meter Number.

REF*MT*TDMON!
> Meter Data Type = Gas Therms (GSMON).

QTY*32*173!
> Customer's Normal Usage is 173 TD for service period ending 199807270800 in the following DTM.

MEA**MU*1*TD***51
> Therm Factor Multiplier

DTM*151****DT*199807270800!
> Service Period End for above QTY usage.

QTY*32*173!
> Customer's Normal Usage is 173 TD for service period ending 199808260800 in the following DTM.

MEA**MU*1*TD***51
> Therm Factor Multiplier

DTM*151****DT*199808260800!
> Service Period End for above QTY usage.

QTY*A5*145!
> Customer's Adjusted Usage is 145 TD for the service period ending 199809280800 in the following DTM.

MEA**MU*1*TD***51
> Therm Factor Multiplier

DTM*151****DT*199809280800!
> Service Period End for above QTY usage.

QTY*32*173!
> Customer's Normal Usage is 173 TD for the service period ending 199904280800 in the following DTM.

MEAMU*1*TD***51**
> Therm Factor Multiplier

DTM*151**DT*199904280800!**
> Service Period End for above QTY usage.

QTY*32*173!
> Customer's Normal Usage is 173 TD for the service period ending 199905280800 in the following DTM.   \

MEAMU*1*TD***51**
> Therm Factor Multiplier

DTM*151**DT*199905280800!**
> Service Period End for above QTY usage.

QTY*32*173!
> Customer's Normal Usage is 173 TD for the service period ending 199906290800 in the following DTM.

MEAMU*1*TD***51**
> Therm Factor Multiplier

DTM*151**DT*199906290800!**
> Service Period End for above QTY usage.

SUMMARY:
SE*40*000000665!
> End of transaction set with 40 transmitted segments (including SE) and transaction set ID.