

DASR PROCESSES FOR METERING DATA ADJUSTMENTS AND CHANGES

Overview

This chapter covers information on PG&E DASR processes that are initiated as a result of metering data adjustments and changes to DA account commodity status. The purpose of including this information in the handbook is to foster Electric ESPs' understanding of the PG&E-initiated transaction records it may receive when certain account events take place and to make Electric ESPs aware of situations in which they may need to initiate DASR transactions in response.

The processes and scenarios addressed include those, which occur subsequent to the initial DA customer account switch. Additional DASR processes related to initial DA account setup and switching are discussed in Chapter 3: Processing Direct Access Service Requests, under the section heading, Additional DASR procedures performed by PG&E.

The material addressed includes details which are specific to DES transaction record types MEPAD01 (DASR), MEPMD01, and MEPMD02. Readers may want to familiarize themselves with these record types and gain an understanding of regular metering data records before proceeding with the material in this chapter. For detailed information on DES DASR transactions see the DES Transaction Map link on the [DES Web site](#).

DA Account Commodity Status Changes

DA Account Commodity Shut-Offs

PG&E can initiate the DA account commodity shut-off process if the end-use customer requests this action or in cases of non-payment. The processes discussed do not apply to situations where the Electric ESP decides to discontinue service to the end-use customer.

PROCESS

Please note that the following processes apply to both monthly, TOU, demand and interval metered accounts.

1. When all meters associated with an account commodity have either been locked or removed, the account commodity status is considered “Removed” or “Closed” by PG&E. Due to the frequency with which end-use customers oftentimes change their commodity shut-off dates and also because of the lack of lead time, PG&E will initiate disconnect notification to the Electric ESP after the final shut-off meter read is taken and the Commodity Status of the account has been changed to “REMOVED” or “CLOSED”.
2. PG&E will then issue an administrative data type record, MEPAD01, to the current, pending, and any ancillary service providers communicating the date the account commodity was shut-off. This transaction record will reflect “SVC” within the Operation Type field, “DISCONNECT” within the Reason field, and the date the commodity was shut-off in the Effective End Date field.
3. PG&E will also issue the metering data record(s), MEPMD01 and/or MEPMD02 to the current Electric ESP, and current bill-calculator if PG&E is not the MDMA. These records will include usage information, but will not indicate that the end-use customer has been shut-off.

PG&E’s system should initiate the relevant administrative and metering data records within two (2) business days following the account commodity status change.

MATRIX OF PG&E-INITIATED RECORDS RELATED TO SHUT-OFFS BY METER TYPE

The records indicated in the table below are issued by PG&E at the time the DA account commodity is shut-off.

ACTION	ISSUE RECORD TO CURRENT ELECTRIC ESP, PENDING ELECTRIC ESP, AND ALL ASSOCIATED ELECTRIC ESPs	ISSUE RECORD TO CURRENT ELECTRIC ESP AND BILL CALCULATOR	ISSUE RECORD TO CURRENT ELECTRIC ESP AND BILL CALCULATOR
RECORD TYPE ISSUED	MEPAD01	MEPMD01	MEPMD02
MONTHLY SINGLE-METERED	<p>One MEPAD01 record: Operation Type field = "SVC" Reason field = "DISCONNECT" Effective End Date Field = date the account commodity was closed</p>	<p>One MEPMD01 record: Normal start/end read information record.</p>	<p>One MEPMD02 record: Normal totaled usage information record.</p>
MONTHLY MULTI-METERED	Same as above	<p>A MEPMD01 record for each meter: Normal start/end read information record</p>	<p>A MEPMD02 record: Normal totaled usage information record. Meter field = "TOTAL"</p>
INTERVAL SINGLE-METERED	Same as above	<ol style="list-style-type: none"> One or more MEPMD01 record(s), depending upon interval and period reported: normal (monthly, not interval) start/end read information record. One or more MEPMD01 record(s): normal usage information record by interval. 	None
INTERVAL MULTI-METERED	Same as above	<ol style="list-style-type: none"> One or more MEPMD01 record(s), depending upon interval and period reported: normal (monthly, not interval) start/end read information record. One or more MEPMD01 record(s): normal usage information record by interval. <p>Meter field = "TOTAL"</p>	None

ACTION	ISSUE RECORD TO CURRENT ELECTRIC ESP, PENDING ELECTRIC ESP, AND ALL ASSOCIATED ELECTRIC ESPS	ISSUE RECORD TO CURRENT ELECTRIC ESP AND BILL CALCULATOR	ISSUE RECORD TO CURRENT ELECTRIC ESP AND BILL CALCULATOR
DEMAND METERED	Same as above	One MEPMD01 Record: normal start/end read information record	<ol style="list-style-type: none"> 1. One MEPMD02 record: normal usage information record 2. One MEPMD02 Record: normal demand usage information
TOU METERED	Same as above	None	<ol style="list-style-type: none"> 1. One MEPMD02 record: normal start read information 2. One MEPMD02 record: normal end read information 3. One MEPMD02 record: normal usage information record

EXAMPLE

Scenario: An interval meter customer has been billed from 5/15 to 6/15. The customer requests a shut-off for 7/28.

Process:

1. PG&E will issue the metering data record(s), MEPMD01 and/or MEPMD02, to the current Electric ESP as well as the bill-calculator if PG&E is not the MDMA for the period 6/15 to 7/15.
2. After the 7/28 shut-off is processed, the current Electric ESP, the pending Electric ESP, and any ancillary service providers will receive an administrative data record MEPAD01, indicating that the account commodity service has been disconnected and the effective date of 7/28.
3. The current Electric ESP, as well as the bill-calculator if PG&E is not the MDMA, will receive a metering data record MEPMD01 for the period 7/15 to 7/28. This metering record will be initiated as soon as the shut-off has been processed, it will not be subject to the timing of the customer's normal billing cycle.

Exception: If a Lock Pending is issued, this means the account is marked to not bill until the account commodity is closed (i.e., there will not be a bill for on-cycle bill on 7/15). In this case, the metering records will be for the period 6/15 to 7/28.

Meter Change

A meter change should not cause an interruption of DA service. Monthly, interval, demand, and time-of-use (TOU) metered accounts should receive the metering records shown in the table below at the time of the customer's normal billing cycle.

MATRIX OF PG&E-INITIATED RECORDS RELATED TO METER CHANGE

The records indicated in the table below are issued by PG&E in correspondence with the customer's regular bill cycle.

ACTION	ISSUE RECORD TO CURRENT ELECTRIC ESP AND BILL CALCULATOR	ISSUE RECORD TO CURRENT ELECTRIC ESP AND BILL CALCULATOR
RECORD TYPE ISSUED	MEPMD01	MEPMD02
MONTHLY SINGLE-METERED	<ul style="list-style-type: none"> • One MEPMD01 record for the old meter: normal start/end read information <p>Meter field = old meter number</p> <ul style="list-style-type: none"> • One MEPMD01 record for the new meter: normal start/end read information <p>Meter field = new meter number</p>	<p>One MEPMD02 record:</p> <p>Normal totalized usage information record for both meters</p> <p>Meter field = "TOTAL"</p>
MONTHLY MULTI-METERED	<ul style="list-style-type: none"> • One MEPMD01 record for each old meter removed: normal start/end read information <p>Meter field = old meter number</p> <ul style="list-style-type: none"> • One MEPMD01 record for each new meter installed: normal start/end read information <p>Meter field = new meter number</p>	<p>One MEPMD02:</p> <p>Normal usage information record totalizing usage for all meters.</p> <p>Meter field = "TOTAL"</p>
INTERVAL SINGLE-METERED	<ul style="list-style-type: none"> • One MEPMD01 record for the old meter: normal monthly (not interval) start/end read information <p>Meter field = old meter number</p> <ul style="list-style-type: none"> • One MEPMD01 record for the new meter: normal monthly (not interval) start/end read information <p>Meter field = new meter number</p> <ul style="list-style-type: none"> • One MEPMD01 record: normal totalized usage record <p>Meter field = "TOTAL"</p>	None

ACTION	ISSUE RECORD TO CURRENT ELECTRIC ESP AND BILL CALCULATOR	ISSUE RECORD TO CURRENT ELECTRIC ESP AND BILL CALCULATOR
INTERVAL MULTI-METERED	<ul style="list-style-type: none"> • One MEPMD01 record for each old meter: normal start/end read information <p>Meter field = old meter number</p> <ul style="list-style-type: none"> • One MEPMD01 record for each new meter: normal start/end read information <p>Meter field = new meter number</p> <ul style="list-style-type: none"> • One MEPMD01 record: totaled usage record <p>Meter field = "TOTAL"</p>	None
DEMAND METERED	<ul style="list-style-type: none"> • One MEPMD01 record for the old meter: normal start/end read information (kwhreg) <p>Meter field = old meter number</p> <ul style="list-style-type: none"> • One MEPMD01 record for the new meter: normal start/end read information (kwhreg) <p>Meter field = new meter number</p>	<ul style="list-style-type: none"> • One MEPMD02 record for the old meter: usage information (kwh) • One MEPMD02 record for the new meter: usage information (kwh) • One MEPMD02 record for the old meter: demand usage information (kw) • One MEPMD02 record for the new meter: demand usage information (kw)

ACTION	ISSUE RECORD TO CURRENT ELECTRIC ESP AND BILL CALCULATOR	ISSUE RECORD TO CURRENT ELECTRIC ESP AND BILL CALCULATOR
TOU METERED	None	<ul style="list-style-type: none"> • One MEPMD02 records for the old meter: start reads information Meter field = old meter number • One MEPMD02 records for the new meter: start reads information Meter field = new meter number • One MEPMD02 records for the old meter: end reads information Meter field = old meter number • One MEPMD02 records for the new meter: end reads information Meter field = new meter number • One MEPMD02 record for the old and new meters' totalized usage information Meter field = "TOTAL"

EXAMPLE

Scenario: 1/2 was the last on cycle billing read date with a read of 00500. On 1/15 there was a meter change, and the old meter had an end read of 00550. The new meter had a start read of 00000. On 2/2 the billing cycle end read was 00060. Thus, the billing cycle usage reflects 50 kWh for the old meter and 60 kWh for the new meter for a total of 110 kWh totalized usage.

Process:

1. PG&E will issue to the Electric ESP, the appropriate metering data type records, (MEPMD01, MEPMD02) on 2/2. The appropriate metering data type records will show the old meter number and new meter number start/end reads as described in the above matrix. The metering data record for usage will indicate "TOTAL" in the Meter Field.

NEW METER SETS WHICH ARE NOT CONCURRENT WITH OLD METER REMOVALS

The example above assumes that the new meter is set on the same day that the old meter is removed. In reality, there may be situations where the old meter is removed, but the new meter cannot be set on the

same day. In these cases, the account Commodity Status will be changed to “REMOVED” until the new meter is set.

If the account is a dual commodity, the Commodity Status for the commodity receiving the new meter will be changed to “OPEN” after the new meter has been set and the Account number and XREF ID fields will remain unchanged.

If the account is a single commodity, a new account may be created after the new meter has been set. A new XREF ID will be created if a new account number is created.

For both dual and single commodity accounts, an account status of CLOSED or REMOVED will require PG&E’s system to initiate a disconnect notice to the Electric ESP. The Electric ESP will be required to initiate a SP-REQ/CONNECT MEPMD01 record to re-establish the account once the Commodity Status changes to “OPEN”.

METER CONFIGURATION DATA

PG&E will communicate the new meter configuration information to Electric ESPs through its Metering Event Group (MEG).

Usage Adjustments

Usage adjustments occur when previously reported usage for the account requires modification. The modification can be read and/or usage changes or changes in the reported periods (i.e., billing dates, interval period). PG&E communicates usage adjustments to ESPs through Electronic Data Interchange (EDI 867). The EDI 867 Guidelines has a code in the BPT segment that identifies corrected usage as “CO” located in the BPT01. There is also an adjustment code that is in QTY01 of the EDI 867. This code is “A5”. The QTY segment is in the PTD loop. The adjusted reads/usage records for an account will reflect the correct reads/usage for a period which has already been reported. The metering data records will reflect usage amounts only and not dollar values associated with usage. The initiation of adjustment records is not dependent upon the timing of the end-use customer’s billing cycle. Therefore, PG&E can issue adjustment records to the ESP immediately following an adjustment transaction at any time during a billing cycle.

For more detailed information regarding usage adjustments, please refer to the EDI 867 Guidelines located at <http://www.pge.com/edi>.

USAGE ADJUSTMENTS TO MONTHLY METER DATA DUE TO ADDITIONAL VALIDATION CHECKING OF DATA WHEN PG&E IS THE MDMA

One reason adjustments may occur when PG&E is the MDMA for monthly meter data is because PG&E continues to perform validation of meter data after that data is sent to ESPs. PG&E uses several systems to validate meter data. A metering record will sometimes pass initial validation checks, and fail later checks. Data is sent to the ESP after the initial checks. If potential problems are identified as the record is passed through additional tests, the information is re-verified to determine if there is in fact an error. In many cases, the data is not in error and does not have to be adjusted. However, when there is an error, adjustments need to be made to the data. Adjustments made in accordance with the processes described in the subsequent sections of this document are then sent to the ESP.

MATRIX OF PG&E-INITIATED RECORDS RELATED TO USAGE ADJUSTMENTS

The records indicated in the table below are issued by PG&E at the time the adjustment is made.

ACTION	ISSUE RECORD TO CURRENT ELECTRIC ESP AND BILL CALCULATOR	ISSUE RECORD TO CURRENT ELECTRIC ESP AND BILL CALCULATOR
RECORD TYPE ISSUED	MEPMD01	MEPMD02
MONTHLY SINGLE-METERED	<ul style="list-style-type: none"> One MEPMD01 record with the adjusted read in the Data field for each adjusted period <p>Example for a two months adjustment:</p> <p>Data field = "199804150001,750,199805150001,A,1300"</p> <p>Data field = "199805150001,A,1300,199806150001,A,1650"</p>	<p>One MEPMD02 record for each adjusted period with the adjusted total usage</p> <p>Example for a two months adjustment:</p> <p>Eff Start field = "199804150001"</p> <p>Eff End field = "199805150001"</p> <p>Data field = "TOTAL,A,550"</p> <p>Eff Start field = "199805150001"</p> <p>Eff End field = "199806150001"</p> <p>Data field = "TOTAL,A,350"</p>
MONTHLY MULTI-METERED	<ul style="list-style-type: none"> One MEPMD01 record for the adjusted meter, with the adjusted reads in the Data field (similar to monthly single-metered reads adjustment record). <p>Meter field = adjusted meter number</p>	<p>One MEPMD02 record for each adjusted period with the adjusted totalized usage for all the meters (similar to single-metered usage adjustment record).</p> <p>Meter field = "TOTAL"</p>
INTERVAL SINGLE-METERED	<ul style="list-style-type: none"> One or more MEPMD01 record(s) with adjusted start/end reads information record (similar to monthly single-metered reads adjustment record). One or more MEPMD01 record(s) with adjusted totalized usage (similar to monthly single-metered usage adjustment record). 	None
INTERVAL MULTI-METERED	Same as above.	None
DEMAND METERED	<ul style="list-style-type: none"> One MEPMD01 record with the adjusted reads in the Data field (similar to monthly single-metered reads adjustment record). 	<ul style="list-style-type: none"> One MEPMD02 record with the adjusted total usage in the Data field (similar to monthly single-metered usage adjustment record). One MEPMD02 with the adjusted demand usage information (similar to the monthly single-metered usage adjustment record).

ACTION	ISSUE RECORD TO CURRENT ELECTRIC ESP AND BILL CALCULATOR	ISSUE RECORD TO CURRENT ELECTRIC ESP AND BILL CALCULATOR
TOU METERED	None	<ul style="list-style-type: none"> • One MEPMD02 record with the adjusted start reads information • One MEPMD02 record with the adjusted end reads information • One MEPMD02 record with the adjusted totalized usage information

EXAMPLE

Scenario: A monthly metered account has been billed in the following manner and the normal MEPMD01 and MEPMD02 record(s) have already been sent to the Electric ESP when the account was billed:

ELECTRIC ESP NAME	DATE	MEPMD02 USAGE	MEPMD01: START READ	END READ
PG&E	2/15 - 3/15	400 kWh	0	400
PG&E	3/15 - 4/15	350 kWh	400	750
ESP	4/15 - 5/15	500 kWh	750	1250
ESP	5/15 - 6/15	400 kWh	1250	1650

On 6/23 a correction is made to the period 4/15 - 5/15. The usage for the period should have been reported as 550 kWh with an end read of 1300. Then on 6/26 a correction is made to the period 5/15 - 6/15. The usage should have been 350 kWh with an end read of 1650.

Process:

Under the given scenario PG&E would issue the records shown in the table below when the adjustment is made to the account.

TIMING ORDER	RECORD TYPE ISSUED	DATA INCLUDED IN RECORD
1.	MEPMD01	Data field = 199804150001, ,750,199805150001,A,1300
2.	MEPMD02	Eff Start field = 199804150001 Eff Stop field = 199805150001 Data field = TOTAL,A,550
3.	MEPMD01	Data field = 199805150001,A,1300,199806150001,A,1650
4.	MEPMD02	Eff Start field = 199805150001 Eff Stop field = 199806150001 Data field = TOTAL,A,350

Records for items 1 and 2 will be sent on the same day (6/23) when the bill period 4/14 - 5/15 is adjusted. Then the records for items 3 and 4 will be sent on the same day (6/26) when the bill period 5/15 - 6/15 is adjusted. The timing between the sending of the two sets of records will be around 3 days and based on when each adjustment transaction is processed.

STAND ALONE REBATE TRANSACTIONS (REVERSAL ONLY ADJUSTMENT)

Under some circumstances only a rebate transaction will need to be made to the account. A rebate is a reversal of what was originally billed. This business scenario may occur when PG&E needs to reverse a bill and then wait for the next on cycle bill to rebill the account. In this situation, PG&E's system will wait for three (3) processing days after a rebill transaction is processed by the biller. If the rebill transaction does not occur within three (3) processing days of the rebate, the system will interpret the rebill as an reversal only adjustment and send the rebate as a meter adjustment record reversing the reads, and with 0 usage. When the rebill transaction is eventually processed through the system, then the rebill transaction will be sent to the Electric ESP's as adjusted reads/usage records.

Using the same scenario as the previous example, adjust the billing for the bill period of 5/15 - 6/15. The adjustment is to just reverse the bill and let next month's on cycle read generate the rebill. So, on 6/20, a reversal is processed. On 6/23, the system did not receive the rebill for 5/15 to 6/15, so it assumed the biller wanted to do just a reversal only adjustment. The system will send to the Electric ESP the following records on 6/23:

MEPMD01 - DATA field = 199805150001,A,1250,199805150001,A,1250

MEPMD02 - Eff Start field = 199805150001 Eff Stop field = 199805150001 DATA field = TOTAL, A,0

On 7/15 - the next on cycle billing, the following records will be sent. Note that since the billing period includes the bill period that was reversed, the quality code will be A to indicate an adjustment to a previously sent metering data record.

MEPMD01 - DATA field = 199805150001, ,1250,199807150001,A,1850

MEPMD02 - Eff Start field = 199805150001 Eff Stop field = 199807150001 DATA field =
TOTAL,A,600