



**Finance Department**  
**GMC and Other Rates for 2004-2020**  
Effective 1/1/20  
Updated 12/19/19



## 2020 GMC Rates and Other Fees

| Charge Code                          | Charge/ Fee Name                     | Effective<br>1/1/20* | Billing Units                            |
|--------------------------------------|--------------------------------------|----------------------|------------------------------------------|
| <b>GMC Rates and Fees</b>            |                                      |                      |                                          |
| 4560                                 | Market Services Charge               | \$ 0.0994            | MWh                                      |
| 4561                                 | System Operations Charge             | \$ 0.2788            | MWh                                      |
| 4562                                 | CRR Services Charge                  | \$ 0.0078            | MWh                                      |
| 4515                                 | Bid Segment Fee                      | \$ 0.0050            | per bid segment                          |
| 4512                                 | Inter SC Trade Fee                   | \$ 1.0000            | per Inter SC Trade                       |
| 4575                                 | SCID Monthly Fee                     | \$ 1,000             | per month                                |
| 4563                                 | TOR Charge                           | \$ 0.2400            | minimum of supply or demand TOR MWh      |
| 4516                                 | CRR Bid Fee                          | \$ 1.0000            | number of nominations and bids           |
| <b>Other Rates, Charges and Fees</b> |                                      |                      |                                          |
| N/A                                  | Schedule Coordinator Application Fee | \$ 5,000             | per application                          |
| N/A                                  | CRR Application Fee**                | \$ 1,000             | per application                          |
| 701                                  | EIR Forecast Fee                     | \$ 0.1000            | MWh                                      |
| 4564                                 | EIM Market Services Charge           | \$ 0.0785            | MWh                                      |
| 4564                                 | EIM System Operations Charge         | \$ 0.1087            | MWh                                      |
| 5701                                 | RC Service Charge                    | \$ 0.0278            | MWh                                      |
| 5801                                 | HANA Setup Fee                       | \$ 35,000            | one time setup fee (billed over 3 years) |
|                                      | HANA Annual Administrative Charge    | \$ 45,000            | annual flat charge                       |
|                                      | HANA Study User Subscriptions        |                      | ****amount available on RC West portal   |

\*2020 rates effective 1/1/20 were approved by the CAISO Board of Governors on December 19, 2019.

\*\*CRR application fee is \$1,000 for applicants who are not already scheduling coordinators.

See rate calculations at:

<http://www.caiso.com/informed/Pages/StakeholderProcesses/Budget-GridManagementCharge.aspx>

For Forecast Fee, which was approved 2/9/03, see Settlement BPM - Main body document Attachment B at:

<https://bpmcm.caiso.com/Pages/SnBBPMDetails.aspx?BPM=Settlements%20and%20Billing>



## 2019 GMC Rates and Other Fees

| Charge Code                          | Charge/ Fee Name                     | Effective 1/1/19* | Effective 5/1/19 | Effective 7/1/19 | Effective 10/1/19 | Effective 11/1/19 | Billing Units                            |
|--------------------------------------|--------------------------------------|-------------------|------------------|------------------|-------------------|-------------------|------------------------------------------|
| <b>GMC Rates and Fees</b>            |                                      |                   |                  |                  |                   |                   |                                          |
| 4560                                 | Market Services Charge               | \$ 0.1065         | \$ 0.1065        | \$ 0.1065        | \$ 0.1065         | \$ 0.1065         | MWh                                      |
| 4561                                 | System Operations Charge             | \$ 0.2797         | \$ 0.2797        | \$ 0.2797        | \$ 0.2797         | \$ 0.2797         | MWh                                      |
| 4562                                 | CRR Services Charge                  | \$ 0.0050         | \$ 0.0100        | \$ 0.0100        | \$ 0.0100         | \$ 0.0100         | MWh                                      |
| 4515                                 | Bid Segment Fee                      | \$ 0.0050         | \$ 0.0050        | \$ 0.0050        | \$ 0.0050         | \$ 0.0050         | per bid segment                          |
| 4512                                 | Inter SC Trade Fee                   | \$ 1.0000         | \$ 1.0000        | \$ 1.0000        | \$ 1.0000         | \$ 1.0000         | per Inter SC Trade                       |
| 4575                                 | SCID Monthly Fee                     | \$ 1,000          | \$ 1,000         | \$ 1,000         | \$ 1,000          | \$ 1,000          | per month                                |
| 4563                                 | TOR Charge                           | \$ 0.2400         | \$ 0.2400        | \$ 0.2400        | \$ 0.2400         | \$ 0.2400         | minimum of supply or demand TOR MWh      |
| 4516                                 | CRR Bid Fee                          | \$ 1.0000         | \$ 1.0000        | \$ 1.0000        | \$ 1.0000         | \$ 1.0000         | number of nominations and bids           |
| <b>Other Rates, Charges and Fees</b> |                                      |                   |                  |                  |                   |                   |                                          |
| N/A                                  | Schedule Coordinator Application Fee | \$ 5,000          | \$ 5,000         | \$ 5,000         | \$ 5,000          | \$ 5,000          | per application                          |
| N/A                                  | CRR Application Fee**                | \$ 1,000          | \$ 1,000         | \$ 1,000         | \$ 1,000          | \$ 1,000          | per application                          |
| 701                                  | EIR Forecast Fee                     | \$ 0.1000         | \$ 0.1000        | \$ 0.1000        | \$ 0.1000         | \$ 0.1000         | MWh                                      |
| 4564                                 | EIM Market Services Charge           | \$ 0.0841         | \$ 0.0841        | \$ 0.0841        | \$ 0.0841         | \$ 0.0841         | MWh                                      |
| 4564                                 | EIM System Operations Charge         | \$ 0.1091         | \$ 0.1091        | \$ 0.1091        | \$ 0.1091         | \$ 0.1091         | MWh                                      |
| 5701                                 | RC Service Charge***                 |                   |                  | \$ 0.0134        | \$ 0.0134         | \$ 0.0270         | MWh                                      |
| 5801                                 | HANA Setup Fee                       |                   |                  |                  | \$ 35,000         | \$ 35,000         | one time setup fee (billed over 3 years) |
|                                      | HANA Annual Administrative Charge    |                   |                  |                  | \$ 45,000         | \$ 45,000         | annual flat charge                       |
|                                      | HANA Study User Subscriptions        |                   |                  |                  | ****              | ****              | ****amount available on RC West portal   |

\*2019 rates effective 1/1/19 were approved by the CAISO Board of Governors on December 13, 2018.

\*\*CRR application fee is \$1,000 for applicants who are not already scheduling coordinators.

\*\*\*There are two RC rates for 2019. The first rate will be effective July 1, 2019 through October 31, 2019 and applicable to entities that onboarded July 1, 2019. The second rate will be effective November 1, 2019 through December 31, 2019 and applicable to all entities that are taking RC services during the period of November 1, 2019 through December 31, 2019.

The RC Service Charge for the period of January 2020 through December 2020 will be posted in December 2019. The 2019 prorated charges and the 2020 annual charges will be invoiced in Jan. 2020.

See rate calculations at:

<http://www.caiso.com/informed/Pages/StakeholderProcesses/Budget-GridManagementCharge.aspx>

For Forecast Fee, which was approved 2/9/03, see Settlement BPM - Main body document Attachment B at:

<https://bpmcm.caiso.com/Pages/SnBBPMDetails.aspx?BPM=Settlements%20and%20Billing>



## 2018 GMC Rates and Administrative Fees

| Charge Code                                  | Charge/ Fee Name             | Rate effective 1/1/18 | Rate effective 8/1/18 | Billing Units                       |
|----------------------------------------------|------------------------------|-----------------------|-----------------------|-------------------------------------|
| 4560                                         | Market Services Charge       | \$ 0.1056             | \$ 0.1100             | MWh                                 |
| 4561                                         | System Operations Charge     | \$ 0.2814             | \$ 0.2964             | MWh                                 |
| 4562                                         | CRR Services Charge          | \$ 0.0038             | \$ 0.0038             | MWh                                 |
| 4515                                         | Bid Segment Fee              | \$ 0.0050             | \$ 0.0050             | per bid segment                     |
| 4512                                         | Inter SC Trade Fee           | \$ 1.0000             | \$ 1.0000             | per Inter SC Trade                  |
| 4575                                         | SCID Monthly Fee             | \$ 1,000              | \$ 1,000              | per month                           |
| 4563                                         | TOR Charge                   | \$ 0.2400             | \$ 0.2400             | minimum of supply or demand TOR MWh |
| 4516                                         | CRR Bid Fee                  | \$ 1.0000             | \$ 1.0000             | number of nominations and bids      |
| Other fees included in miscellaneous revenue |                              |                       |                       |                                     |
| 4564                                         | EIM Market Services Charge   | \$ 0.0834             | \$ 0.0869             | MWh                                 |
| 4564                                         | EIM System Operations Charge | \$ 0.1097             | \$ 0.1156             | MWh                                 |
| 701                                          | EIR Forecast Fee             | \$ 0.1000             | \$ 0.1000             | MWh                                 |

Scheduling Coordinators: The scheduling coordinator application fee is \$5,000.

CRR participants: The CRR application fee is \$1,000 for applicants who are not already scheduling coordinators.

2018 rates are as approved by the CAISO Board of Governors on December 14, 2017.

See rate calculations at: <http://www.caiso.com/informed/Pages/StakeholderProcesses/GridManagementChargeBudgetProcesses.aspx>

For Forecast Fee rate which was approved 2/9/03 see Settlement BPM - Main body document Attachment B at:

<http://bpmcm.caiso.com/Pages/SnBBPMDetails.aspx?BPM=Settlements%20and%20Billing>



## 2017 GMC Rates and Administrative Fees

| Charge Code                                  | Charge/ Fee Name             | Rate effective 1/1/17 | Billing Units                       |
|----------------------------------------------|------------------------------|-----------------------|-------------------------------------|
| 4560                                         | Market Services Charge       | \$ 0.0854             | MWh                                 |
| 4561                                         | System Operations Charge     | \$ 0.3025             | MWh                                 |
| 4562                                         | CRR Services Charge          | \$ 0.0059             | MWh                                 |
| 4515                                         | Bid Segment Fee              | \$ 0.0050             | per bid segment                     |
| 4512                                         | Inter SC Trade Fee           | \$ 1.0000             | per Inter SC Trade                  |
| 4575                                         | SCID Monthly Fee             | \$ 1,000              | per month                           |
| 4563                                         | TOR Charge                   | \$ 0.2400             | minimum of supply or demand TOR MWh |
| 4516                                         | CRR Bid Fee                  | \$ 1.0000             | number of nominations and bids      |
| Other fees included in miscellaneous revenue |                              |                       |                                     |
| 4564                                         | EIM Market Services Charge   | \$ 0.0521             | MWh                                 |
| 4564                                         | EIM System Operations Charge | \$ 0.1361             | MWh                                 |
| 701                                          | EIR Forecast Fee             | \$ 0.1000             | MWh                                 |

Scheduling Coordinators: The scheduling coordinator application fee is \$5,000.

CRR participants: The CRR application fee is \$1,000 for applicants who are not already scheduling coordinators.

2017 rates are as approved by the CAISO Board of Governors on December 15, 2016.

See rate calculations at:

<http://www.caiso.com/informed/Pages/StakeholderProcesses/GridManagementChargeBudgetProcesses.aspx>

For Forecast Fee rate which was approved 2/9/03 see Settlement BPM - Main body document Attachment B at:

<http://bpmcm.caiso.com/Pages/SnBBPMDetails.aspx?BPM=Settlements%20and%20Billing>



## 2016 GMC Rates and Administrative Fees

| Charge Code                                  | Charge/ Fee Name             | Rate effective 1/1/16 | Billing Units                       |
|----------------------------------------------|------------------------------|-----------------------|-------------------------------------|
| 4560                                         | Market Services Charge       | \$ 0.0850             | MWh                                 |
| 4561                                         | System Operations Charge     | \$ 0.2979             | MWh                                 |
| 4562                                         | CRR Services Charge          | \$ 0.0049             | MWh                                 |
| 4515                                         | Bid Segment Fee              | \$ 0.0050             | per bid segment                     |
| 4512                                         | Inter SC Trade Fee           | \$ 1.0000             | per Inter SC Trade                  |
| 4575                                         | SCID Monthly Fee             | \$ 1,000              | per month                           |
| 4563                                         | TOR Charge                   | \$ 0.2400             | minimum of supply or demand TOR MWh |
| 4516                                         | CRR Bid Fee                  | \$ 1.0000             | number of nominations and bids      |
| Other fees included in miscellaneous revenue |                              |                       |                                     |
| 4564                                         | EIM Market Services Charge   | \$ 0.0519             | MWh                                 |
| 4564                                         | EIM System Operations Charge | \$ 0.1341             | MWh                                 |
| 701                                          | EIR Forecast Fee             | \$ 0.1000             | MWh                                 |

The EIM administrative charge was split into two components and the rates listed above were in effect on November 4, 2015.

Scheduling Coordinators: The scheduling coordinator application fee is \$5,000.

CRR participants: The CRR application fee is \$1,000 for applicants who are not already scheduling coordinators.

2016 rates are as approved by the CAISO Board of Governors on December 18, 2015.

See rate calculations at:

<http://www.caiso.com/informed/Pages/StakeholderProcesses/GridManagementChargeBudgetProcesses.aspx>

For Forecast Fee rate which was approved 2/9/03 see Settlement BPM - Main body document Attachment B at:

<http://bpmcm.caiso.com/Pages/SnBBPMDetails.aspx?BPM=Settlements%20and%20Billing>



## 2015 GMC Rates and Administrative Fees

| Charge Code                                  | Charge/ Fee Name          | Rate effective 1/1/15 | Billing Units                       |
|----------------------------------------------|---------------------------|-----------------------|-------------------------------------|
| 4560                                         | Market Services Charge    | \$ 0.0876             | MWh                                 |
| 4561                                         | System Operations Charge  | \$ 0.2978             | MWh                                 |
| 4562                                         | CRR Services Charge       | \$ 0.0059             | MWh                                 |
| 4515                                         | Bid Segment Fee           | \$ 0.005              | per bid segment                     |
| 4512                                         | Inter SC Trade Fee        | \$ 1.0000             | per Inter SC Trade                  |
| 4575                                         | SCID Monthly Fee          | \$ 1,000              | per month                           |
| 4563                                         | TOR Charge                | \$ 0.2400             | minimum of supply or demand TOR MWh |
| 4516                                         | CRR Bid Fee               | \$ 1.0000             | number of nominations and bids      |
| Other fees included in miscellaneous revenue |                           |                       |                                     |
| 4564                                         | EIM Administrative Charge | \$ 0.1900             | MWh                                 |
| 701                                          | EIR Forecast Fee          | \$ 0.1000             | MWh                                 |

Scheduling Coordinators: The scheduling coordinator application fee is \$5,000.

CRR participants: The CRR application fee is \$1,000 for applicants who are not already scheduling coordinators.

2015 rates are as approved by the CAISO Board of Governors on December 17, 2014.

See rate calculations at:

<http://www.caiso.com/informed/Pages/StakeholderProcesses/GridManagementChargeBudgetProcesses.aspx>

For Forecast Fee rate which was approved 2/9/03 see Settlement BPM - Main body document Attachment B at:

<http://bpmmcm.caiso.com/Pages/SnBBPMDetails.aspx?BPM=Settlements%20and%20Billing>



## 2014 GMC Rates and Administrative Fees

| Charge Code                                  | Charge/ Fee Name          | Rate effective 1/1/14 | Rate effective 6/1/14 | Rate effective 8/1/14 | Rate effective 10/1/14 | Billing Units                       |
|----------------------------------------------|---------------------------|-----------------------|-----------------------|-----------------------|------------------------|-------------------------------------|
| 4560                                         | Market Services Charge    | \$ 0.0867             | \$ 0.0867             | \$ 0.0940             | \$ 0.0940              | MWh                                 |
| 4561                                         | System Operations Charge  | \$ 0.2890             | \$ 0.2890             | \$ 0.2890             | \$ 0.2890              | MWh                                 |
| 4562                                         | CRR Services Charge       | \$ 0.0112             | \$ 0.0073             | \$ 0.0073             | \$ 0.0073              | MWh                                 |
| 4515                                         | Bid Segment Fee           | \$ 0.005              | \$ 0.005              | \$ 0.005              | \$ 0.005               | per bid segment                     |
| 4512                                         | Inter SC Trade Fee        | \$ 1.00               | \$ 1.00               | \$ 1.00               | \$ 1.00                | per Inter SC Trade                  |
| 4575                                         | SCID Monthly Fee          | \$ 1,000              | \$ 1,000              | \$ 1,000              | \$ 1,000               | per month                           |
| 4563                                         | TOR Charge                | \$ 0.27               | \$ 0.27               | \$ 0.27               | \$ 0.27                | minimum of supply or demand TOR MWh |
| 4516                                         | CRR Bid Fee               | \$ 1.00               | \$ 1.00               | \$ 1.00               | \$ 1.00                | number of nominations and bids      |
| Other fees included in miscellaneous revenue |                           |                       |                       |                       |                        |                                     |
| 4564                                         | EIM Administrative Charge | \$ -                  | \$ -                  | \$ -                  | \$ 0.19                | MWh                                 |
| 701                                          | EIR Forecast Fee          | \$ 0.10               | \$ 0.10               | \$ 0.10               | \$ 0.10                | MWh                                 |

Scheduling Coordinators: The scheduling coordinator application fee is \$5,000.

CRR participants: The CRR application fee is \$1,000 for applicants who are not already scheduling coordinators.

2014 rates are as approved by the CAISO Board of Governors on December 18, 2013.

See rate calculations at: <http://www.caiso.com/informed/Pages/StakeholderProcesses/GridManagementChargeBudgetProcesses.aspx>

For Forecast Fee rate which was approved 2/9/03 see Settlement BPM - Main body document Attachment B at:

<http://bpmcm.caiso.com/Pages/SnBBPMDetails.aspx?BPM=Settlements%20and%20Billing>





## 2013 GMC Rates and Administrative Fees

| Charge Code | Charge/ Fee Name         | Rate Effective 1/1/13 | Rate Effective 8/1/13 | Billing Units                       |
|-------------|--------------------------|-----------------------|-----------------------|-------------------------------------|
| 4560        | Market Services Charge   | \$ 0.0931             | \$ 0.0754             | MWh                                 |
| 4561        | System Operations Charge | \$ 0.2872             | \$ 0.2872             | MWh                                 |
| 4562        | CRR Services Charge      | \$ 0.0135             | \$ 0.0090             | MWh                                 |
| 4515        | Bid Segment Fee          | \$ 0.005              | \$ 0.005              | per bid segment                     |
| 4512        | Inter SC Trade Fee       | \$ 1.00               | \$ 1.00               | per Inter SC Trade                  |
| 4575        | SCID Monthly Fee         | \$ 1,000              | \$ 1,000              | per month                           |
| 4563        | TOR charges              | \$ 0.27               | \$ 0.27               | minimum of supply or demand TOR MWh |
| 4516        | CRR Bid Fee              | \$ 1.00               | \$ 1.00               | number of nominations and bids      |

Scheduling Coordinators: The scheduling coordinator application fee is \$5,000.

CRR participants: The CRR application fee is \$1,000 for applicants who are not already scheduling coordinators.

2013 rates are as approved by the CAISO Board of Governors on December 14, 2012.

See rate calculations at:

<http://www.caiso.com/informed/Pages/StakeholderProcesses/GridManagementChargeBudgetProcesses.aspx>

## 2012 GMC Rates and Administrative Fees

| Charge Code | Charge/ Fee Name         | Rate Effective 1/1/12 | Rate Effective 7/1/12 | Rate Effective 10/1/12 | Billing Units                       |
|-------------|--------------------------|-----------------------|-----------------------|------------------------|-------------------------------------|
| 4560        | Market Services Charge   | \$ 0.0851             | \$ 0.0950             | \$ 0.0840              | MWh                                 |
| 4561        | System Operations Charge | \$ 0.2845             | \$ 0.2845             | \$ 0.2845              | MWh                                 |
| 4562        | CRR Services Charge      | \$ 0.0170             | \$ 0.0100             | \$ 0.0100              | MWh                                 |
| 4515        | Bid Segment Fee          | \$ 0.005              | \$ 0.005              | \$ 0.005               | per bid segment                     |
| 4512        | Inter SC Trade Fee       | \$ 1.00               | \$ 1.00               | \$ 1.00                | per Inter SC Trade                  |
| 4575        | SCID Monthly Fee         | \$ 1,000              | \$ 1,000              | \$ 1,000               | per month                           |
| 4563        | TOR charges              | \$ 0.27               | \$ 0.27               | \$ 0.27                | minimum of supply or demand TOR MWh |
| 4516        | CRR Bid Fee              | \$ 1.00               | \$ 1.00               | \$ 1.00                | number of nominations and bids      |

Scheduling Coordinators: The scheduling coordinator application fee is \$5,000.

CRR participants: The CRR application fee is \$1,000 for applicants who are not already scheduling coordinators.

2012 rates are as approved by the CAISO Board of Governors on December 15, 2011.

See rate calculations at:

<http://www.caiso.com/informed/Pages/StakeholderProcesses/GridManagementChargeBudgetProcesses.aspx>

## 2011 GMC Rates and Administrative Fees

| Charge Code | Charge/ Fee Name                        | Rate Effective 1/1/11 | Rate Effective 4/1/11 | Rate Effective 10/1/11 | Billing Units              | Data                                                                                                                                  |
|-------------|-----------------------------------------|-----------------------|-----------------------|------------------------|----------------------------|---------------------------------------------------------------------------------------------------------------------------------------|
| 4501        | CRS Demand Peak                         | \$75.8960             | \$78.8960             | \$75.8960              | MW - month                 | Non-coincident Peak - Maximum Hourly load (not including exports) within a month during the hours ending 07 through 22                |
| 4502        | CRS Demand Off-Peak                     | \$50.0999             | \$50.0999             | \$50.0999              | MW - month                 | Non-coincident Peak - Maximum Hourly load (not including exports) within a month during the hours ending 01 through 06 and 23 and 24. |
| 4503        | CRS - Energy Export                     | \$ 1.6290             | \$ 1.6290             | \$ 1.6290              | MWh                        | Export MWhs, excluding TOR exports                                                                                                    |
| 4505        | ETS - NE                                | \$ 0.2953             | \$ 0.2953             | \$ 0.2953              | MWh                        | MWhs of Metered Balancing Authority Area Load, excluding TOR Metered Balancing Authority Area Load                                    |
| 4506        | ETS - UE                                | \$ 1.2225             | \$ 1.2225             | \$ 1.2225              | MWh                        | MWhs of Uninstructed Imbalance Energy summed by interval, excluding PIRP UIE                                                          |
| 4508        | CRS/ETS - TOR Energy Export             | \$ 0.2266             | \$ 0.2266             | \$ 0.2266              | MWh                        | MWhs of TOR Metered Balancing Authority Area Load                                                                                     |
| 4511        | Forward Scheduling                      | \$ 1.3170             | \$ 1.3170             | \$ 1.3170              | non-zero MW schedule       | Number of Day Ahead and Hour Ahead Scheduling Process Load, Generation, Import, Export and awarded AS energy schedules                |
| 4512        | Forward Scheduling - Inter-SC Trades    | \$ 1.3170             | \$ 1.3170             | \$ 1.3170              | non-zero MW Inter-SC trade | Number of Inter-SC trade schedules                                                                                                    |
| 4513        | Forward Scheduling PGAB Inter-SC Trades | \$ 0.9956             | \$ 0.9956             | \$ 0.9956              | non-zero MW Inter-SC trade | Number of PG&E Path 15 Facilitator Inter-SC trade schedules                                                                           |
| 4534        | MU - Awarded AS                         | \$ 0.4488             | \$ 0.3664             | \$ 0.5189              | MW                         | MWs purchases and sales of AS                                                                                                         |
| 4535        | MU - Instructed Energy                  | \$ 0.4488             | \$ 0.3664             | \$ 0.5189              | MWh                        | MWhs of Instructed Energy summed by interval                                                                                          |
| 4536        | MU - Net Uninstructed Deviation         | \$ 0.4488             | \$ 0.3664             | \$ 0.5189              | MWh                        | MWhs of Uninstructed Imbalance Energy summed by interval, excluding PIRP UIE                                                          |
| 4537        | MU - Forward Energy                     | \$ 0.0494             | \$ 0.0494             | \$ 0.0494              | MWh                        | Maximum MWh of an SC's Supply or Demand                                                                                               |
| 4520        | Convergence Bidding Fee                 | \$ 0.0050             | \$ 0.0050             | \$ 0.0050              | per bid segment            | per bid segment of submitted convergence bids                                                                                         |
| 4533        | Convergence Bidding                     | \$ 0.0618             | \$ 0.0618             | \$ 0.0618              | MWh                        | MWh of Coverage Bidding                                                                                                               |
| 4546        | ETS / MU PIRP Deviations                | \$ 1.6713             | \$ 1.6713             | \$ 1.6713              | MWh                        | MWhs of Uninstructed Imbalance Energy from Participating Intermittent Resources (PIRP) summed during the month                        |
| 4575        | SMCR                                    | \$ 1,000              | \$ 1,000              | \$ 1,000               | per month                  | For customers with non-zero market, PTO, or CRR invoice                                                                               |

2011 rates are as approved by the CAISO Board of Governors on December 15, 2010.

See rate calculations at: <http://www.caiso.com/247d/247deb3549590.pdf>

## 2010 GMC Rates and Administrative Fees

| Charge Code | Charge/ Fee Name                        | Rate Effective 1/1/10 | Rate Effective 4/1/10 | Rate Effective 6/1/10 | Rate Effective 7/1/10 | Billing Units              | Data                                                                                                                                  |
|-------------|-----------------------------------------|-----------------------|-----------------------|-----------------------|-----------------------|----------------------------|---------------------------------------------------------------------------------------------------------------------------------------|
| 4501        | CRS Demand Peak                         | \$78.5142             | \$78.5142             | \$78.5142             | \$94.7098             | MW - month                 | Non-coincident Peak - Maximum Hourly load (not including exports) within a month during the hours ending 07 through 22                |
| 4502        | CRS Demand Off-Peak                     | \$51.8203             | \$51.8203             | \$51.8203             | \$62.5085             | MW - month                 | Non-coincident Peak - Maximum Hourly load (not including exports) within a month during the hours ending 01 through 06 and 23 and 24. |
| 4503        | CRS - Energy Export                     | \$ 1.1652             | \$ 1.8291             | \$ 1.8291             | \$ 1.8291             | MWh                        | Export MWhs, excluding TOR exports                                                                                                    |
| 4505        | ETS - NE                                | \$ 0.3140             | \$ 0.3140             | \$ 0.3140             | \$ 0.3496             | MWh                        | MWhs of Metered Balancing Authority Area Load, excluding TOR Metered Balancing Authority Area Load                                    |
| 4506        | ETS - UE                                | \$ 1.1592             | \$ 1.1592             | \$ 1.1592             | \$ 1.9795             | MWh                        | MWhs of Uninstructed Imbalance Energy summed by interval, excluding PIRP UIE                                                          |
| 4508        | CRS/ETS - TOR Energy Export             | \$ 0.2312             | \$ 0.2312             | \$ 0.2312             | \$ 0.2312             | MWh                        | MWhs of TOR Metered Balancing Authority Area Load                                                                                     |
| 4511        | Forward Scheduling                      | \$ 1.7078             | \$ 2.5319             | \$ 2.5319             | \$ 2.5319             | non-zero MW schedule       | Number of Day Ahead and Hour Ahead Scheduling Process Load, Generation, Import, Export and awarded AS energy schedules                |
| 4512        | Forward Scheduling - Inter-SC Trades    | \$ 1.7078             | \$ 2.5319             | \$ 2.5319             | \$ 2.5319             | non-zero MW Inter-SC trade | Number of Inter-SC trade schedules                                                                                                    |
| 4513        | Forward Scheduling PGAB Inter-SC Trades | \$ 1.2911             | \$ 1.2911             | \$ 1.2911             | \$ 1.2911             | non-zero MW Inter-SC trade | Number of PG&E Path 15 Facilitator Inter-SC trade schedules                                                                           |
| 4534        | MU - Awarded AS                         | \$ 0.2298             | \$ 0.2298             | \$ 0.2298             | \$ 0.2298             | MW                         | MW's purchases and sales of AS                                                                                                        |
| 4535        | MU - Instructed Energy                  | \$ 0.2298             | \$ 0.2298             | \$ 0.2298             | \$ 0.2298             | MWh                        | MWhs of Instructed Energy summed by interval                                                                                          |
| 4536        | MU - Net Uninstructed Deviation         | \$ 0.2298             | \$ 0.2298             | \$ 0.2298             | \$ 0.2298             | MWh                        | MWhs of Uninstructed Imbalance Energy summed by interval, excluding PIRP UIE                                                          |
| 4537        | MU - Forward Energy                     | \$ 0.2247             | \$ 0.2247             | \$ 0.0629             | \$ 0.0629             | MWh                        | Maximum MWh of an SC's Supply or Demand                                                                                               |
| 4546        | ETS / MU PIRP Deviations                | \$ 1.3889             | \$ 1.3889             | \$ 1.3889             | \$ 1.3889             | MWh                        | MWhs of Uninstructed Imbalance Energy from Participating Intermittent Resources (PIRP) summed during the month                        |
| 4575        | SMCR                                    | \$ 1,000              | \$ 1,000              | \$ 1,000              | \$ 1,000              | per month                  | For customers with non-zero market, PTO, or CRR invoice                                                                               |

2010 rates are as approved by the CAISO Board of Governors on December 17, 2009.  
See rate calculations at: <http://www.caiso.com/247d/247deb3549590.pdf>

## 2009 GMC Rates and Administrative Fees

| Charge Code | Charge/ Fee Name                        | Rate Effective 1/1/09 | Rate Effective 4/1/09 | Rate Effective 8/1/09 | Rate Effective 10/1/09 | Billing Units              | Data                                                                                                                                  |
|-------------|-----------------------------------------|-----------------------|-----------------------|-----------------------|------------------------|----------------------------|---------------------------------------------------------------------------------------------------------------------------------------|
| 4501        | CRS Demand Peak                         | \$73.6024             | \$70.2798             | \$70.2798             | \$70.2798              | MW - month                 | Non-coincident Peak - Maximum Hourly load (not including exports) within a month during the hours ending 07 through 22                |
| 4502        | CRS Demand Off-Peak                     | \$48.5801             | \$46.3826             | \$46.3826             | \$46.3826              | MW - month                 | Non-coincident Peak - Maximum Hourly load (not including exports) within a month during the hours ending 01 through 06 and 23 and 24. |
| 4503        | CRS - Energy Export                     | \$ 0.7435             | \$ 0.6771             | \$ 0.6771             | \$ 1.0125              | MWh                        | Export MWhs, excluding TOR exports                                                                                                    |
| 4504        | CRS / ETS - NE (Mohave)                 | \$ 0.3962             | \$ -                  | \$ -                  | \$ -                   | MWh                        | Exports from Mohave to Nevada Power and Salt River Project                                                                            |
| 4505        | ETS - NE                                | \$ 0.3028             | \$ 0.2963             | \$ 0.2963             | \$ 0.3070              | MWh                        | MWhs of Metered Balancing Authority Area Load, excluding TOR Metered Balancing Authority Area Load                                    |
| 4506        | ETS - UE                                | \$ 1.0401             | \$ 1.0248             | \$ 1.0248             | \$ 1.1703              | MWh                        | MWhs of Uninstructed Imbalance Energy summed by interval, excluding PIRP UIE                                                          |
| 4508        | CRS/ETS - TOR Energy Export             | \$ -                  | \$ 0.2344             | \$ 0.2344             | \$ 0.2344              | MWh                        | MWhs of TOR Metered Balancing Authority Area Load                                                                                     |
| 4511        | Forward Scheduling                      | \$ 0.4937             | \$ 1.0963             | \$ 1.0963             | \$ 1.5678              | non-zero MW schedule       | Number of Day Ahead and Hour Ahead Scheduling Process Load, Generation, Import, Export and awarded AS energy schedules                |
| 4512        | Forward Scheduling - Inter-SC Trades    | \$ 0.4937             | \$ 1.0963             | \$ 1.0963             | \$ 1.5678              | non-zero MW Inter-SC trade | Number of Inter-SC trade schedules                                                                                                    |
| 4513        | Forward Scheduling PG&B Inter-SC Trades | \$ 0.3733             | \$ 0.8288             | \$ 0.8288             | \$ 0.8288              | non-zero MW Inter-SC trade | Number of PG&E Path 15 Facilitator Inter-SC trade schedules                                                                           |
| 4522        | Congestion Management                   | \$ 0.0871             | \$ -                  | \$ -                  | \$ -                   | MWh                        | MWhs of net final HA scheduled interzonal flows                                                                                       |
| 4534        | MU - Awarded AS                         | \$ 0.7442             | \$ 0.5946             | \$ 0.5946             | \$ 0.4272              | MW                         | MW purchases and sales of AS                                                                                                          |
| 4535        | MU - Instructed Energy                  | \$ 0.7442             | \$ 0.5946             | \$ 0.5946             | \$ 0.4272              | MWh                        | MWhs of Instructed Energy summed by interval                                                                                          |
| 4536        | MU - Net Uninstructed Deviation         | \$ 0.7442             | \$ 0.5946             | \$ 0.5946             | \$ 0.4272              | MWh                        | MWhs of Uninstructed Imbalance Energy summed by interval, excluding PIRP UIE                                                          |
| 4537        | MU - Forward Energy                     | \$ -                  | \$ 0.4316             | \$ 0.3000             | \$ 0.2652              | MWh                        | Maximum MWh of an SC's Supply or Demand                                                                                               |
| 4546        | ETS / MU PIRP Deviations                | \$ -                  | \$ 1.6194             | \$ 1.6194             | \$ 1.6194              | MWh                        | MWhs of Uninstructed Imbalance Energy from Participating Intermittent Resources (PIRP) summed during the month                        |
| 4575        | SMCR                                    | \$ 500                | \$ 1,000              | \$ 1,000              | \$ 1,000               | per month                  | For customers with non-zero market, PTO, or CRR invoice                                                                               |

2009 rates are as approved by the CAISO Board of Governors on December 17, 2008.

See rate calculations for pre 4/1/10 at: <http://www.caiso.com/2091/209197764ace0.pdf>

See rate calculations for post 3/31/10 at: <http://www.caiso.com/2091/20919b1d74bf0.pdf>

## 2008 GMC Rates and Administrative Fees

| Charge Code | Charge/ Fee Name                        | Rate Effective 1/1/08 | Rate Effective 10/1/08 | Billing Units              | Data                                                                                                                                  |
|-------------|-----------------------------------------|-----------------------|------------------------|----------------------------|---------------------------------------------------------------------------------------------------------------------------------------|
| 4501        | CRS Demand Peak                         | \$ 73.6024            | \$ 72.3774             | MW - month                 | Non-coincident Peak - Maximum Hourly load (not including exports) within a month during the hours ending 07 through 22                |
| 4502        | CRS Demand Off-Peak                     | \$ 48.5801            | \$ 47.7708             | MW - month                 | Non-coincident Peak - Maximum Hourly load (not including exports) within a month during the hours ending 01 through 06 and 23 and 24. |
| 4503        | CRS - Energy Export                     | \$ 0.7435             | \$ 0.5228              | MWh                        | Export MWhs, excluding TOR exports                                                                                                    |
| 4504        | CRS / ETS - NE (Mohave)                 | \$ 0.3662             | \$ 0.2803              | MWh                        | Exports from Mohave to Nevada Power and Salt River Project                                                                            |
| 4505        | ETS - NE                                | \$ 0.3028             | \$ 0.2782              | MWh                        | MWhs of Metered Balancing Authority Area Load, excluding TOR Metered Balancing Authority Area Load                                    |
| 4506        | ETS - UE                                | \$ 1.0401             | \$ 0.9881              | MWh                        | MWhs of Uninstructed Imbalance Energy summed by interval, excluding PIRP UIE                                                          |
| 4511        | Forward Scheduling                      | \$ 0.4937             | \$ 0.8703              | non-zero MW schedule       | Number of Day Ahead and Hour Ahead Scheduling Process Load, Generation, Import, Export and awarded AS energy schedules                |
| 4512        | Forward Scheduling - Inter-SC Trades    | \$ 0.4937             | \$ 0.4352              | non-zero MW Inter-SC trade | Number of Inter-SC trade schedules                                                                                                    |
| 4513        | Forward Scheduling PGAB Inter-SC Trades | \$ 0.3733             | \$ 0.3290              | non-zero MW Inter-SC trade | Number of PG&E Path 15 Facilitator Inter-SC trade schedules                                                                           |
| 4522        | Congestion Management                   | \$ 0.0871             | \$ 0.1076              | MWh                        | MWhs of net final HA scheduled interzonal flows                                                                                       |
| 4534        | MU - Awarded AS                         | \$ 0.7442             | \$ 0.8975              | MW                         | MWs purchases and sales of AS                                                                                                         |
| 4535        | MU - Instructed Energy                  | \$ 0.7442             | \$ 0.8975              | MWh                        | MWhs of Instructed Energy summed by interval                                                                                          |
| 4536        | MU - Net Uninstructed Deviation         | \$ 0.7442             | \$ 0.8975              | MWh                        | MWhs of Uninstructed Imbalance Energy summed by interval, excluding PIRP UIE                                                          |
| 4575        | SMCR                                    | \$ 500                | \$ 500                 | per month                  | For customers with non-zero market, PTO, or CRR invoice                                                                               |

## 2007 GMC Rates and Administrative Fees

| Charge Code | Charge/ Fee Name                        | Rate Effective 1/1/07 | Rate Effective 8/1/07 | Rate Effective 10/1/07 | Billing Units              | Data                                                                                                                                  |
|-------------|-----------------------------------------|-----------------------|-----------------------|------------------------|----------------------------|---------------------------------------------------------------------------------------------------------------------------------------|
| 4501        | CRS Demand Peak                         | \$ 90.0289            | \$ 90.0289            | \$ 90.0289             | MW - month                 | Non-coincident Peak - Maximum Hourly load (not including exports) within a month during the hours ending 07 through 22                |
| 4502        | CRS Demand Off-Peak                     | \$ 59.4213            | \$ 59.4213            | \$ 59.4213             | MW - month                 | Non-coincident Peak - Maximum Hourly load (not including exports) within a month during the hours ending 01 through 06 and 23 and 24. |
| 4503        | CRS - Energy Export                     | \$ 0.5010             | \$ 0.5010             | \$ 0.5010              | MWh                        | Export MWhs, excluding TOR exports                                                                                                    |
| 4504        | CRS / ETS - NE (Mohave)                 | \$ 0.2757             | \$ 0.2757             | \$ 0.2757              | MWh                        | Exports from Mohave to Nevada Power and Salt River Project                                                                            |
| 4505        | ETS - NE                                | \$ 0.2867             | \$ 0.2867             | \$ 0.2867              | MWh                        | MWhs of Metered Balancing Authority Area Load, excluding TOR Metered Balancing Authority Area Load                                    |
| 4506        | ETS - UE                                | \$ 0.9341             | \$ 0.9341             | \$ 0.9341              | MWh                        | MWhs of Uninstructed Imbalance Energy summed by interval, excluding PIRP UIE                                                          |
| 4511        | Forward Scheduling                      | \$ 0.8409             | \$ 0.8409             | \$ 0.8409              | non-zero MW schedule       | Number of Day Ahead and Hour Ahead Scheduling Process Load, Generation, Import, Export and awarded AS energy schedules                |
| 4512        | Forward Scheduling - Inter-SC Trades    | \$ 0.4204             | \$ 0.4204             | \$ 0.4204              | non-zero MW Inter-SC trade | Number of Inter-SC trade schedules                                                                                                    |
| 4513        | Forward Scheduling PG&B Inter-SC Trades | \$ 0.3179             | \$ 0.3179             | \$ 0.3179              | non-zero MW Inter-SC trade | Number of PG&E Path 15 Facilitator Inter-SC trade schedules                                                                           |
| 4522        | Congestion Management                   | \$ 0.1050             | \$ 0.1050             | \$ 0.0956              | MWh                        | MWhs of net final HA scheduled interzonal flows                                                                                       |
| 4534        | MU - Awarded AS                         | \$ 0.6177             | \$ 0.7797             | \$ 0.7797              | MW                         | MWs purchases and sales of AS                                                                                                         |
| 4535        | MU - Instructed Energy                  | \$ 0.6177             | \$ 0.7797             | \$ 0.7797              | MWh                        | MWhs of Instructed Energy summed by interval                                                                                          |
| 4536        | MU - Net Uninstructed Deviation         | \$ 0.6177             | \$ 0.7797             | \$ 0.7797              | MWh                        | MWhs of Uninstructed Imbalance Energy summed by interval, excluding PIRP UIE                                                          |
| 4575        | SMCR                                    | \$ 500                | \$ 500                | \$ 500                 | per month                  | For customers with non-zero market, PTO, or CRR invoice                                                                               |



## 2006 GMC Rates and Administrative Fees

| Charge Code | Charge/ Fee Name                        | Rate Effective 1/1/06 | Rate Effective 10/1/06 | Billing Units              | Data                                                                                                                                  |
|-------------|-----------------------------------------|-----------------------|------------------------|----------------------------|---------------------------------------------------------------------------------------------------------------------------------------|
| 4501        | CRS Demand Peak                         | \$ 89.9333            | \$ 81.8039             | MW - month                 | Non-coincident Peak - Maximum Hourly load (not including exports) within a month during the hours ending 07 through 22                |
| 4502        | CRS Demand Off-Peak                     | \$ 59.3637            | \$ 53.9965             | MW - month                 | Non-coincident Peak - Maximum Hourly load (not including exports) within a month during the hours ending 01 through 06 and 23 and 24. |
| 4503        | CRS - Energy Export                     | \$ 0.4952             | \$ 0.4635              | MWh                        | Export MWhs, excluding TOR exports                                                                                                    |
| 4504        | CRS / ETS - NE (Mohave)                 | \$ 0.2766             | \$ 0.2655              | MWh                        | Exports from Mohave to Nevada Power and Salt River Project                                                                            |
| 4505        | ETS - NE                                | \$ 0.2950             | \$ 0.2950              | MWh                        | MWhs of Metered Balancing Authority Area Load, excluding TOR Metered Balancing Authority Area Load                                    |
| 4506        | ETS - UE                                | \$ 0.8749             | \$ 0.8749              | MWh                        | MWhs of Uninstructed Imbalance Energy summed by interval, excluding PIRP UIE                                                          |
| 4511        | Forward Scheduling                      | \$ 0.7639             | \$ 0.7639              | non-zero MW schedule       | Number of Day Ahead and Hour Ahead Scheduling Process Load, Generation, Import, Export and awarded AS energy schedules                |
| 4512        | Forward Scheduling - Inter-SC Trades    | \$ 0.3815             | \$ 0.3815              | non-zero MW Inter-SC trade | Number of Inter-SC trade schedules                                                                                                    |
| 4513        | Forward Scheduling PG&B Inter-SC Trades | \$ 0.2483             | \$ 0.2483              | non-zero MW Inter-SC trade | Number of PG&E Path 15 Facilitator Inter-SC trade schedules                                                                           |
| 4522        | Congestion Management                   | \$ 0.1464             | \$ 0.1261              | MWh                        | MWhs of net final HA scheduled interzonal flows                                                                                       |
| 4534        | MU - Awarded AS                         | \$ 0.5824             | \$ 0.4754              | MW                         | MWs purchases and sales of AS                                                                                                         |
| 4535        | MU - Instructed Energy                  | \$ 0.5824             | \$ 0.4754              | MWh                        | MWhs of Instructed Energy summed by interval                                                                                          |
| 4536        | MU - Net Uninstructed Deviation         | \$ 0.5824             | \$ 0.4754              | MWh                        | MWhs of Uninstructed Imbalance Energy summed by interval, excluding PIRP UIE                                                          |
| 4575        | SMCR                                    | \$ 500                | \$ 500                 | per month                  | For customers with non-zero market, PTO, or CRR invoice                                                                               |
| 4576        | MID fixed monthly payment               | \$ 75,000             | \$ 75,000              | per month                  | Invoiced monthly to MID                                                                                                               |



## 2005 GMC Rates and Administrative Fees

| Charge Code | Charge/ Fee Name                        | Rate Effective 1/1/05 | Billing Units              | Data                                                                                                                                  |
|-------------|-----------------------------------------|-----------------------|----------------------------|---------------------------------------------------------------------------------------------------------------------------------------|
| 4501        | CRS Demand Peak                         | \$ 98.0580            | MW - month                 | Non-coincident Peak - Maximum Hourly load (not including exports) within a month during the hours ending 07 through 22                |
| 4502        | CRS Demand Off-Peak                     | \$ 64.7034            | MW - month                 | Non-coincident Peak - Maximum Hourly load (not including exports) within a month during the hours ending 01 through 06 and 23 and 24. |
| 4503        | CRS - Energy Export                     | \$ 0.5083             | MWh                        | Export MWhs, excluding TOR exports                                                                                                    |
| 4504        | CRS / ETS - NE (Mohave)                 | \$ 0.2890             | MWh                        | Exports from Mohave to Nevada Power and Salt River Project                                                                            |
| 4505        | ETS - NE                                | \$ 0.3174             | MWh                        | MWhs of Metered Balancing Authority Area Load, excluding TOR Metered Balancing Authority Area Load                                    |
| 4506        | ETS - UE                                | \$ 0.7960             | MWh                        | MWhs of Uninstructed Imbalance Energy summed by interval, excluding PIRP UIE                                                          |
| 4511        | Forward Scheduling                      | \$ 1.2873             | non-zero MW schedule       | Number of Day Ahead and Hour Ahead Scheduling Process Load, Generation, Import, Export and awarded AS energy schedules                |
| 4512        | Forward Scheduling - Inter-SC Trades    | \$ 0.6436             | non-zero MW Inter-SC trade | Number of Inter-SC trade schedules                                                                                                    |
| 4513        | Forward Scheduling PGAB Inter-SC Trades | \$ 0.5104             | non-zero MW Inter-SC trade | Number of PG&E Path 15 Facilitator Inter-SC trade schedules                                                                           |
| 4522        | Congestion Management                   | \$ 0.1864             | MWh                        | MWhs of net final HA scheduled interzonal flows                                                                                       |
| 4534        | MU - Awarded AS                         | \$ 0.7041             | MW                         | MWs purchases and sales of AS                                                                                                         |
| 4535        | MU - Instructed Energy                  | \$ 0.7041             | MWh                        | MWhs of Instructed Energy summed by interval                                                                                          |
| 4536        | MU - Net Uninstructed Deviation         | \$ 0.7041             | MWh                        | MWhs of Uninstructed Imbalance Energy summed by interval, excluding PIRP UIE                                                          |
| 4575        | SMCR                                    | \$ 500                | per month                  | For customers with non-zero market, PTO, or CRR invoice                                                                               |
| 4576        | MID fixed monthly payment               | \$ 75,000             | per month                  | Invoiced monthly to MID                                                                                                               |

## 2004 GMC Rates and Administrative Fees

| Charge Code | Charge/ Fee Name                        | Rate Effective 1/1/04 | Billing Units              | Data                                                                                                                                  |
|-------------|-----------------------------------------|-----------------------|----------------------------|---------------------------------------------------------------------------------------------------------------------------------------|
| 4501        | CRS Demand Peak                         | \$106.8332            | MW - month                 | Non-coincident Peak - Maximum Hourly load (not including exports) within a month during the hours ending 07 through 22                |
| 4502        | CRS Demand Off-Peak                     | \$ 70.5098            | MW - month                 | Non-coincident Peak - Maximum Hourly load (not including exports) within a month during the hours ending 01 through 06 and 23 and 24. |
| 4503        | CRS - Energy Export                     | \$ 0.4277             | MWh                        | Export MWhs, excluding TOR exports                                                                                                    |
| 4504        | CRS / ETS - NE (Mohave)                 | \$ 0.2679             | MWh                        | Exports from Mohave to Nevada Power and Salt River Project                                                                            |
| 4505        | ETS - NE                                | \$ 0.3379             | MWh                        | MWhs of Metered Balancing Authority Area Load, excluding TOR Metered Balancing Authority Area Load                                    |
| 4506        | ETS - UE                                | \$ 0.7123             | MWh                        | MWhs of Uninstructed Imbalance Energy summed by interval, excluding PIRP UIE                                                          |
| 4511        | Forward Scheduling                      | \$ 1.1785             | non-zero MW schedule       | Number of Day Ahead and Hour Ahead Scheduling Process Load, Generation, Import, Export and awarded AS energy schedules                |
| 4512        | Forward Scheduling - Inter-SC Trades    | \$ 0.5893             | non-zero MW Inter-SC trade | Number of Inter-SC trade schedules                                                                                                    |
| 4513        | Forward Scheduling PGAB Inter-SC Trades | \$ 0.4552             | non-zero MW Inter-SC trade | Number of PG&E Path 15 Facilitator Inter-SC trade schedules                                                                           |
| 4522        | Congestion Management                   | \$ 0.2043             | MWh                        | MWhs of net final HA scheduled interzonal flows                                                                                       |
| 4534        | MU - Awarded AS                         | \$ 0.8034             | MW                         | MW purchases and sales of AS                                                                                                          |
| 4535        | MU - Instructed Energy                  | \$ 0.8034             | MWh                        | MWhs of Instructed Energy summed by interval                                                                                          |
| 4536        | MU - Net Uninstructed Deviation         | \$ 0.8034             | MWh                        | MWhs of Uninstructed Imbalance Energy summed by interval, excluding PIRP UIE                                                          |
| 4575        | SMCR                                    | \$ 500                | per month                  | For customers with non-zero market, PTO, or CRR invoice                                                                               |
| 4576        | MID fixed monthly payment               | \$ 75,000             | per month                  | Invoiced monthly to MID                                                                                                               |