|  |  |
| --- | --- |
|  |  |

**MSRS Report Format Documentation**

**Day-Ahead Double Counting Operating Reserve Credit Offset**

**Version 3**

Revision History

|  |  |  |
| --- | --- | --- |
| **Date** | **Revision** | **Description** |
| 9/1/2021 | 1 | Initial Distribution |
| 10/1/2022 | 2 | Removed Column Operating Reserve Offsetting DASR Revenue;Added Columns Operating Reserve Offsetting SECR Revenue and Operating Reserve Market Revenue Neutrality Offsets;Updated Supporting Calculations |
| 2/14/2024 | 3 | Updates to Supporting Calculations for DA Value, DA Target Operating Reserve Credit, Bal Target Net Revenue to correctly reflect the values that are divided by 12Additional details added to Supported Billing Line Items section regarding counterparty data visibility |

# Report

**MSRS** Report Name: Day-Ahead Double Counting Operating Reserve Credit Offset

Report short name for User Interface: DA Double Counting Opres Credit Offset

Download File Name Abbreviation: DADblCrOft

Data Granularity: Sub-Hourly

Frequency: Updated daily

Range Displayed on Report: Start Date through End Date

# Supported Billing Line Items

In order to support reconciliation of the transferred Billing Line Item amount, the “To” Company of a Billing Line Item Transfer may view supporting MSRS report details pertaining to the counterparty for the period spanning the approved Billing Line Item Transfer

* Day-Ahead Operating Reserve Credit (2370)

# Report Content Summary

This report provides details in calculating a customer account’s owned unit’s Day-Ahead operating reserve credit offset value due to double counting of commitment costs. Customers can refer to the Day-Ahead Operating Reserve Generator Credit Details MSRS report to see the impact of the offset value on daily Day-Ahead operating reserve credits. The details in this report do not reflect the customer account’s share of jointly owned units. All owners will see the full values associated with the unit.

# Summary of Changes and Special Logic

* The value that appears in the DA Schedule ID column will be the last 2 digits of the schedule ID of the DA generation schedule that the generator was running on at the given interval.
* The value that appears in the RT Schedule ID column will be the last 2 digits of the schedule ID of the RT generation schedule that the generator was running on at the given interval
* Report records are produced for DA hours that have an overlapping RT interval with positive RT generation MW
* The Operating Reserve Commitment Cost Offset value will be included in the max hour of overlap on the Day-ahead Operating Reserve Generator Credit Details report

# Report Columns

The following columns will appear in the body of the report:

|  |  |  |  |
| --- | --- | --- | --- |
| **Online and CSV Column Name** | **XML Column Name** | **Column Number** | **Data Type** |
| Customer ID | CUSTOMER\_ID | 4000.01 | INTEGER |
| Customer Code | CUSTOMER\_CODE | 4000.02 | VARCHAR2(6) |
| EPT Hour Ending | EPT\_HOUR\_ENDING | 4000.05 | VARCHAR2(40)mm/dd/yyyy HH24 format(Displays first hour of the day as hour 1 and last hour of the day as hour 24) |
| GMT Hour Ending | GMT\_HOUR\_ENDING | 4000.06 | VARCHAR2(40)mm/dd/yyyy HH24 format(Displays first hour of the day as hour 1 and last hour of the day as hour 24) |
| EPT Interval Ending | EPT\_INTERVAL\_ENDING | 4001.40 | VARCHAR2(40) mm/dd/yyyy HH24:MM format (Displays first interval of the day as hour 0 minute 05 and last interval of the day as hour 24 minute 00) |
| GMT Interval Ending | GMT\_INTERVAL\_ENDING | 4001.41 | VARCHAR2(40)mm/dd/yyyy HH24:MM formatDisplays first interval of the day in relation to EPT interval as hour 04 minute 05 or hour 05 minute 05 (EDT/EST depending) and last interval of the day as hour 04 minute 00 of the next day or hour 05 minute 00 of the next day (EDT/EST depending) |
| Unit ID | UNIT\_ID | 4000.63 | NUMBER(8,0) |
| Unit Name | UNIT\_NAME | 4000.64 | VARCHAR2(60) |
| Unit Ownership Share | UNIT\_OWNERSHIP\_SHARE | 3000.80 | NUMBER |
| DA Schedule ID | DA\_SCHED\_ID | 3002.11 | NUMBER |
| DA Generator LMP ($/MWh) | DA\_GENERATOR\_LMP | 3000.24 | NUMBER |
| DA Scheduled MW | DA\_SCHEDULED\_MW | 3000.32 | NUMBER |
| DA Energy Offer ($) | DA\_ENERGY\_OFFER | 3003.11 | NUMBER |
| DA No Load Cost ($) | DA\_NO\_LOAD\_COST | 3003.12 | NUMBER |
| DA Startup Cost ($) | DA\_STARTUP\_COST | 3003.13 | NUMBER |
| DA Value ($) | DA\_VALUE | 3002.15 | NUMBER |
| DA Net Revenue ($) | DA\_NET\_REVENUE | 3002.16 | NUMBER |
| RT Schedule ID | RT\_SCHED\_ID | 3002.19 | NUMBER |
| RT Generator LMP ($/MWh) | RT\_GENERATOR\_LMP | 3000.25 | NUMBER |
| RT Generation MW | RT\_GEN\_MW | 3000.33 | NUMBER |
| RT Generation MW Offer ($) | RT\_GEN\_MW\_OFFER | 3003.20 | NUMBER |
| RT No-Load Cost ($) | RT\_NO\_LOAD\_COST | 3002.28 | NUMBER |
| RT Startup Cost ($) | RT\_STARTUP\_COST | 3002.29 | NUMBER |
| RT Additional Startup Cost ($) | RT\_ADD\_STARTUP\_COST | 3002.30 | NUMBER |
| Bal Target Value ($) | BAL\_TARGET\_VALUE | 2375.51 | NUMBER |
| Operating Reserve Offsetting Synch Reserve Revenue ($) | OPRES\_OFFSET\_SYNCH\_RES\_REV | 3002.32 | NUMBER |
| Operating Reserve Offsetting Reactive Service Revenue ($) | OPRES\_OFFSET\_RCTV\_SER\_REV | 3002.33 | NUMBER |
| Operating Reserve Offsetting SECR Revenue ($) | OPRES\_OFFSET\_SECR\_REV | 3002.39 | NUMBER |
| Operating Reserve Offsetting Non-Synch Reserve Revenue ($) | OPRES\_OFFSET\_NON\_SYNCH\_RES\_REV | 3002.35 | NUMBER |
| Operating Reserve Market Revenue Neutrality Offsets ($) | OPRES\_MRN\_OFFSETS | 3002.65 | NUMBER |
| Bal Target Net Revenue ($) | BAL\_TARGET\_NET\_REVENUE | 3003.22 | NUMBER |
| Version | VERSION | 4000.07 | VARCHAR2(12) |

# CSV Report Example

See Excel file titled “Day-Ahead Double Counting Operating Reserve Credit Offset CSV Format.csv”

# XML Report Example

See XML file titled “Day-Ahead Double Counting Operating Reserve Credit Offset Credits XML Format.xml”

# Supporting Calculations

DA Value = DA Generator LMP \* DA Scheduled MW \* 1/12

3002.15 = 3000.24 \* 3000.32 \* 1/12

DA Net Revenue = DA Value – (DA Energy Offer + DA No Load Cost + DA Startup Cost)

3002.16 = 3002.15 – (3003.11 + 3003.12 + 3003.13)

DA Target Operating Reserve Credit = Sum(Da Net Revenue) over all intervals of the day \* -1

Bal Target Value = RT Generator LMP \* (RT Generation MW – DA Scheduled MW) \* 1/12

= 2375.51 = 3000.25 \* (3000.33 – 3000.32) \* 1/12

Bal Target Net Revenue = (DA Value+ Bal Target Value + Operating Reserve Offsetting Synch Reserve Revenue + Operating Reserve Offsetting Reactive Service Revenue + Operating Reserve Offsetting SECR Revenue + Operating Reserve Offsetting Non-Synch Reserve Revenue + Operating Reserve Market Revenue Neutrality Offsets) – (RT Generation MW Offer + RT No-Load Cost + RT Startup Cost + RT Additional Startup Cost)

3003.22 = (3002.15 + 2375.51 + 3002.32 + 3002.33 + 3002.39 + 3002.35 + 3002.65) – (3003.20 + 3002.28 + 3002.29 + 3002.30)

Bal Target Operating Reserve Credit = Sum(Bal Target Net Revenue) over all intervals of the day \* -1

**Value appearing on Day-ahead Operating Reserve Generator Credit Details report:**

Operating Reserve Commitment Cost Offset = MAX(DA Target Operating Reserve Credit – Bal Target Operating Reserve Credit, 0)