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

**MSRS Report Format Documentation**

**Explicit Loss Charges**

**Version 1**

Revision History

|  |  |  |
| --- | --- | --- |
| **Date** | **Revision** | **Description** |
| 04/01/2018 | 1 | Initial Distribution |

# Report

**MSRS** Report Name:Explicit Loss Charges

Report short name for User Interface: Explicit Loss Charges

Download File Name Abbreviation: ExplLossCh

Data Granularity: Sub- Hourly

Frequency: Updated Daily

Range Displayed on Report: Start Date through End Date

# Supported Billing Line Items

* Day-ahead Transmission Losses Charge (1220)
* Balancing Transmission Losses Charge (1225)

# Report Content Summary

This report lists each transaction that is used in calculating the customer accounts for day-ahead and balancing explicit loss charges.

Transactions will only be displayed if the DA explicit loss charge and / or the bal explicit loss charge for the transaction is not equal to 0.

# Summary of Changes and Special Logic

* The date range total row will only appear in the online version of the report. It will not appear in the CSV and XML versions of the 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 00 of the following day) |
| 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 00 of the following day) |
| 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 format(Displays first interval of the day as hour 0 minute 05 and last interval of the day as hour 24 minute 00) |
| Transaction ID | TRANSACTION\_ID | 4000.09 | VARCHAR2(40) |
| NERC Tag | NERC\_TAG | 4000.13 | VARCHAR2(40) |
| OASIS ID | OASIS\_ID | 4000.14 | NUMBER(\*,0) |
| Buyer | BUYER | 4000.17 | VARCHAR2(6) |
| Seller | SELLER | 4000.18 | VARCHAR2(6) |
| Sink PNODE Name | SINK\_PNODE\_NAME | 4000.21 | VARCHAR2(30) |
| Sink PNODE ID | SINK\_PNODE\_ID | 4000.22 | NUMBER(\*,0) |
| Source PNODE Name | SOURCE\_PNODE\_NAME | 4000.23 | VARCHAR2(30) |
| Source PNODE ID | SOURCE\_PNODE\_ID | 4000.24 | NUMBER(\*,0) |
| DA Transaction MW | DA\_TRANSACTION\_MW | 3000.72 | NUMBER(14,6) |
| DA Sink Loss Price ($/MWh) | DA\_SINK\_LOSS\_PRICE | 3000.16 | NUMBER(12,6) |
| DA Source Loss Price ($/MWh) | DA\_SOURCE\_LOSS\_PRICE | 3000.17 | NUMBER(12,6) |
| DA Explicit Loss Charge ($) | DA\_EXPLICIT\_LOSS\_CHARGE | 1220.13 | NUMBER |
| RT Transaction MW | RT\_TRANSACTION\_MW | 3000.73 | NUMBER(14,6) |
| Bal Transaction Deviation (MW) | BAL\_TRANSACTION\_DEVIATION | 3000.74 | NUMBER |
| RT Sink Loss Price ($/MWh) | RT\_SINK\_LOSS\_PRICE | 3000.19 | NUMBER(12,6) |
| RT Source Loss Price ($/MWh) | RT\_SOURCE\_LOSS\_PRICE | 3000.20 | NUMBER(12,6) |
| Bal Explicit Loss Charge ($) | BAL\_EXPLICIT\_LOSS\_CHARGE | 1225.13 | NUMBER |
| Version | VERSION | 4000.07 | VARCHAR2(12) |

# CSV Report Example

See Excel file titled “Explicit Loss Charges CSV Format.csv”

# XML Report Example

See XML file titled “Explicit Loss Charges XML Format.xml”

# Hyperlinks

This report contains no hyperlinks.

# Supporting Calculations

DA Explicit Loss Charge = DA Transaction MW \* ((DA Sink Loss Price/12) – (DA Source Loss Price/12))

(1220.13) = (3000.72) \* ((3000.16) - (3000.17))

Bal Transaction Deviation = RT Transaction MW - DA Transaction MW

(3000.74) = (3000.73) - (3000.72)

Bal Explicit Loss Charge = Bal Transaction Deviation \* ((RT Sink Loss Price/12) – (RT Source Loss Price/12))

(1225.13) = (3000.74) \* ((3000.19) - (3000.20))