

| <b>SD_RSFASTDTLSUB – Reserve Asset Detail Subaccount Report – Rev 0</b>           |  |
|---|--|
| SD_RSFASTDTLSUB_ <customer id>_ <settlement date>_ <version>_ <subaccount_id>.CSV |  |
| <Customer Name>   |  |
| Date: mm/dd/yyyy and Version: mm/dd/yyyy hh:mm:ss GMT                             |  |
| Availability: Daily   |  |
| REPORT COLUMN   | DESCRIPTION  |
| <b>Asset Section</b>  |  |
| Subaccount ID   | The alpha numeric identifier for the subaccount.   |
| Subaccount Name   | The name of the subaccount.  |
| Trading Interval  | Specific hour for which the information is reported. Numeric from 1 – 24. (For daylight-saving crossover days: the long day extra hour = 02X, the short day removes hour 02.)  |
| Asset ID  | Numerical identifier for the asset associated with the subaccount.   |
| Asset Name  | Name of the asset.   |
| Asset Type  | Specified Asset type such as: <ul style="list-style-type: none"> <li>• GENERATOR</li> <li>• LOAD</li> <li>• DEMAND RESPONSE RESOURCE</li> </ul>  |
| Eco Min / Consumption Min / Min Reduction   | Lowest unrestricted level of Energy, in MW, of a Customer's Generating Unit, <i>or</i> lowest level of Energy consumed, in MW, by a Customer's Load Asset <i>or</i> lowest level of Energy reduction, in MW, of a Customer's Demand Response Resource.                             |
| Eco Max / Consumption Max / Max Reduction   | Highest unrestricted level of Energy, in MW, of a Customer's Generating Unit <i>or</i> highest level of Energy consumed, in MW, by a Customer's Load Asset <i>or</i> highest level of Energy reduction, in MW, of a Customer's Demand Response Resource.                           |
| Implicit Self-Scheduled Regulation MWs  | Regulation Output Level for a Unit that is Partially Self Scheduled for Regulation for the Hour.   |
| RMR Flag  | Unit flagged to provide Reliability Must Run support for a specified Reliability Region.   |
| VAR Flag  | Unit flagged to provide VAR (Volt Ampere Reactive) support.  |
| Unit Status   | Displays the Unit Status (Must Run, Economic, or Unavailable).   |
| Day Ahead Cleared MWs   | The number of MWs associated with a bid or offer cleared in the Day-Ahead Market.  |
| Energy Quantity   | The Metered Quantity for Settlement for the hourly trading interval.   |
| Energy Quantity Reduction   | The Metered Load Reduction Quantity for Settlement for the hourly trading interval.  |
| Energy Quantity Net Supply  | The Metered Net Supply Quantity for Settlement for the hourly trading interval.  |
| Forward Reserve Ramp Rate   | Ramp rate used to calculate ramping capability in 10 or 30 minutes.  |
| Forward Reserve Threshold Price   | Daily price calculated by multiplying a heat rate times a fuel index. The heat rate will remain constant for the entire Forward Reserve Service Period (4/8 months), and the Fuel Index used each day will be the lesser of the Natural Gas or No. 2 Fuel Oil forward price index. |
| Calculation Method  | The Unit Status will determine if a unit is on- or off-line, which will determine the method for calculating Qualifying MWs.   |
| Forward Reserve Qualifying MWs  | The asset's Forward Reserve Qualified MWs for an hour.   |
| 10 Minute Claimed Capability  | MWs of NPCC 10-Minute non-synchronous reserve that a Generating Unit or Dispatchable Asset Related Demand unit can provide.  |
| Ramping Capability in 10 Minutes  | Forward Reserve Ramp Rate in MW/Minute multiplied by the time of 10 Minutes.   |

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|--|--|
| REPORT COLUMN  | DESCRIPTION  |
| Forward Reserve TMNSR Qualifying MWs   | <p>The quantity of 10-Minute Forward Reserve that qualifies in a specific Reserve Zone.</p> <p><u>Generators and Demand Response Resources:</u><br/> Off-line Forward TMNSR Reserve Qualifying MWs =<br/> Min [Asset Qualifying MWs, Claim10]<br/> On-line TMNSR Forward Reserve Qualifying MWs =<br/> Min [Asset Qualifying MWs, Reserve Ramp Rate * 10]</p> <p><u>Dispatchable Asset Related Demand:</u><br/> Min [Asset Qualifying MWs, Claim10]</p>  |
| 30 Minute Claimed Capability   | MWs of NPCC 30-Minute non-synchronous reserve that a Generating Unit or Asset Related Demand unit can provide.   |
| Ramping Capability in 30 Minutes   | Forward Reserve Ramp Rate in MW/Minute multiplied by the time of 30 Minutes.   |
| Forward Reserve TMOR Qualifying MWs  | <p>The quantity of 30-Minute Forward Reserve that qualifies in a specific Reserve Zone.</p> <p><u>Generators and Demand Response Resources:</u><br/> Off-line Forward TMOR Reserve Qualifying MWs =<br/> Min [Asset Qualifying MWs, Claim30] – Forward Reserve TMNSR Qualifying MWs<br/> On-line TMOR Forward Reserve Qualifying MWs =<br/> Min [Asset Qualifying MWs, Reserve Ramp Rate * 30] - Reserve TMNSR Qualifying MWs</p> <p><u>Dispatchable Asset Related Demand:</u><br/> Min [Asset Qualifying MWs, Claim30] - Reserve TMNSR Qualifying MWs</p> |
| Forward Reserve Eligible   | A flag indicating if the Resource meets the eligibility requirements to provide Forward Reserves, as detailed in Market Rule 1.  |
| Day-Ahead Nodal LMP  | The Day Ahead Locational Marginal Price for Energy at the Node at which the asset is located.  |
| Real-Time Nodal LMP  | The Real Time Locational Marginal Price for Energy at the Node at which the asset is located.  |
| Real-Time TMNSR Reserve Market Clearing Price  | Reserve Zone TMNSR Clearing Price, as defined in Market Rule 1.  |
| Reserve Penalty Factor Portion of Real-Time TMNSR RMCP   | The amount of the Real-Time TMNSR Reserve Market Clearing Price attributable to a Reserve Constraint Penalty Factor.   |
| Forward Reserve Adjusted Outage Exemption MWs  | A Resource's MWs approved by the ISO for an annual scheduled maintenance outage or on a scheduled maintenance outage that has been moved at the ISO's request, limited to the Resource's seasonal claimed capability (Fast Start Generator) or the Resource's ramp rate * 30 (if not a Fast Start Generator).  |
| Performance EcoMax/ Performance Consumption Min  | <p><u>Generators:</u> The Eco Max value, in MW, adjusted in Real-Time for a performance related reason.</p> <p><u>Dispatchable Asset Related Demand:</u> The Consumption Min value, in MW, adjusted in Real-Time for a performance-related reason.</p>   |
| Performance Audit Flag   | A flag indicating a Claim 10/30 test was performed during the Trading Interval.  |

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| <Customer Name>  |  |
| Date: mm/dd/yyyy and Version: mm/dd/yyyy hh:mm:ss GMT                              |  |
| Availability: Daily  |  |
| REPORT COLUMN  | DESCRIPTION  |
| Real-Time External Transaction Sale MW   | The sum of all External Transaction Sales in the Energy Market in which the following applies: <ul style="list-style-type: none"> <li>• The Asset is backing the sale</li> <li>• The customer submitted the transaction</li> <li>• The Asset's Load Zone is directly adjacent to and electrically interconnected to External Node associated with the Sale</li> <li>• The transaction has been flagged as Local Second Contingency Commitment</li> </ul> |
| <b>Forward Reserve Section</b>   |  |
| Subaccount ID  | The alpha numeric identifier for the subaccount.   |
| Subaccount Name  | The name of the subaccount.  |
| Trading Interval   | Specific hour for which the information is reported. Numeric from 1 – 24. (For daylight-saving crossover days: the long day extra hour = 02X, the short day removes hour 02.)  |
| Reserve Zone ID  | Numerical identifier for a Reserve Zone.   |
| Reserve Zone Name  | Name of the Reserve Zone.  |
| Asset ID   | Numerical identifier for the asset as associated with the subaccount.  |
| Asset Name   | Name of the asset.   |
| Asset Type   | Specified Asset type such as: <ul style="list-style-type: none"> <li>• GENERATOR</li> <li>• LOAD</li> <li>• DEMAND RESPONSE RESOURCE</li> </ul>  |
| Ownership Share  | A right or obligation, for purposes of settlement, to a percentage share of all Credits or Charges associated with an asset.   |
| Forward Reserve TMNSR Available MWs  | The Forward Reserve TMNSR Qualifying MWs less any MWs from that resource delivered in a more constrained Reserve Zone.   |
| Forward Reserve TMNSR Assigned MWs   | The MWs designated by the Participant to provide Forward Reserve TMNSR capability in the Reserve Zone.   |
| Asset Forward Reserve TMNSR Delivered MWs  | The minimum of the Forward Reserve TMNSR Available MWs or Forward Reserve TMNSR Assigned MWs.  |
| Asset TMNSR Failure-to-Reserve Penalty Exempt MWs                                  | The lesser of the Forward Reserve TMNSR Assigned MWs or the Forward Reserve Adjusted Outage Exemption MW, adjusted for any amounts previously applied in a more constrained Reserve Zone / higher value product.   |
| Subaccount Asset Forward Reserve TMNSR Delivered MWs                               | Asset Forward Reserve TMNSR Delivered MWs allocated to Participant's Subaccount based on their ownership share.  |
| Subaccount Asset TMNSR Failure-to-Reserve Penalty Exempt MWs                       | Asset TMNSR Failure-to-Reserve Penalty Exempt MWs allocated to Participant's Subaccount based on their ownership share.  |
| Forward Reserve TMOR Available MWs   | The Forward Reserve TMOR Qualifying MWs less any MWs from that Resource delivered for TMNSR in the same or more constrained Reserve Zone, or delivered for TMOR in a more constrained Reserve Zone.  |
| Forward Reserve TMOR Assigned MWs  | The MWs designated by the Participant to provide Forward Reserve TMOR capability in the Reserve Zone.  |
| Asset Forward Reserve TMOR Delivered MWs   | The minimum of the Forward Reserve TMOR Available MWs or Forward Reserve TMOR Assigned MWs.  |

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| <CustomerName>  |   |
| Date: mm/dd/yyyy and Version: mm/dd/yyyy hh:mm:ss GMT                             |   |
| Availability: Daily   |   |
| REPORT COLUMN   | DESCRIPTION   |
| Asset TMOR Failure-to-Reserve Penalty Exempt MWs                                  | The lesser of the Forward Reserve TMOR Assigned MWs or the Forward Reserve Adjusted Outage Exemption MW, adjusted for any amounts previously applied in a more constrained Reserve Zone / higher value product. |
| Subaccount Asset Forward Reserve TMOR Delivered MWs                               | Asset Forward Reserve TMOR Delivered MWs allocated to Participants Subaccount based on their ownership share.   |
| Subaccount Asset TMOR Failure-to-Reserve Penalty Exempt MWs                       | Asset TMOR Failure-to-Reserve Penalty Exempt MWs allocated to Participants Subaccount based on their ownership share.   |
| Forward TMNSR Obligation Charge Limit MWs   | The sum of the five-minute Forward TMNSR Obligation Charge Limit MWs, divided by 12.  |
| Forward TMOR Obligation Charge Limit MWs  | The sum of the five-minute Forward TMOR Obligation Charge Limit MWs, divided by 12.   |
| Forward TMNSR Obligation Charge MWs   | The sum of the five-minute Forward TMNSR Obligation Charge MWs, divided by 12.  |
| Forward TMOR Obligation Charge MWs  | The sum of the five-minute Forward TMOR Obligation Charge MWs, divided by 12.   |
| Subaccount Forward TMNSR Obligation Charge MWs                                    | The Forward TMNSR Obligation Charge MWs allocated to Participant's Subaccount.  |
| Subaccount Forward TMOR Obligation Charge MWs                                     | The Forward TMOR Obligation Charge MWs allocated to Participant's Subaccount.   |
| Remaining TMNSR Obligation Charge Limit MWs                                       | The sum of the five-minute Remaining TMNSR Obligation Charge Limit MWs, divided by 12.  |
| Remaining TMOR Obligation Charge Limit MWs  | The sum of the five-minute Remaining TMOR Obligation Charge Limit MWs, divided by 12.   |
| <b>Failure-to-Activate Section</b>  |   |
| Subaccount ID   | The alpha numeric identifier for the subaccount.  |
| Subaccount Name   | The name of the subaccount.   |
| Trading Interval  | Specific hour for which the information is reported. Numeric from 1 – 24. (For daylight-saving crossover days: the long day extra hour = 02X, the short day removes hour 02.)                                   |
| Reserve Zone ID   | Numerical identifier for a Reserve Zone.  |
| Reserve Zone Name   | Name of the Reserve Zone.   |
| Asset ID  | Numerical identifier for the asset associated with the subaccount.  |
| Asset Name  | Name of the asset.  |
| Asset Type  | Specified Asset type such as: <ul style="list-style-type: none"> <li>• GENERATOR</li> <li>• LOAD</li> <li>• DEMAND RESPONSE RESOURCE</li> </ul>   |
| Ownership Share   | A right or obligation, for purposes of settlement, to a percentage share of all credits or charges associated with an asset.  |

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|---|---|
| REPORT COLUMN   | DESCRIPTION   |
| Asset Total TMNSR Delivered MWs   | The total Asset TMNSR Delivered MWs in the Reserve Zone.  |
| Forward Reserve TMNSR Contingency Target MW   | The amount of Forward Reserve TMNSR MWs requested to be activated in Real-Time.   |
| Forward Reserve TMNSR Contingency Activated MW  | The actual amount of Forward Reserve TMNSR MWs activated in Real-Time.  |
| Adjusted TMNSR Contingency Target MWs   | The target amount of Forward Reserve TMNSR MWs requested to be activated in Real-Time. The MWs associated with Demand Reduction will be increased by the Pool Distribution Loss Factor.   |
| Adjusted TMNSR Contingency Activated MWs  | The actual amount of Forward Reserve TMNSR MWs activated in Real-Time. The MWs associated with Demand Reduction will be increased by the Pool Distribution Loss Factor.   |
| Forward Reserve TMNSR Failure-to-Activate Flag  | Flag indicating if a Generating Unit activated its Forward Reserve Capability when asked to provide energy, <i>or</i> that an Asset Related Demand Unit interrupted energy consumption when asked to provide Forward Reserve Capability. <ul style="list-style-type: none"> <li>• Y</li> <li>• N</li> </ul> |
| Forward Reserve TMNSR Failure-to-Activate MW  | When the Forward Reserve TMNSR Failure-to-Activate Flag is set to “Y”, the lesser of: (Asset Total TMNSR Delivered MWs – Forward Reserve TMNSR Contingency Activated MW), or (Forward Reserve TMNSR Contingency Target MW – TMNSR Contingency Activated MW).  |
| Forward Reserve TMNSR Payment Rate  | The Forward Reserve Market Monthly Clearing Price for TMNSR divided by the Delivery Hours in the Month.   |
| Forward Reserve TMNSR Failure-to-Activate Penalty Rate  | Rate used to calculate the Forward Reserve TMNSR Failure-to-Activate Penalty, which is the greater of the Real-Time Nodal LMP, or the Forward Reserve TMNSR Payment Rate multiplied by the Failure to Activate Penalty factor, as defined in Market Rule 1.   |
| Forward Reserve TMNSR Failure-to-Activate Penalty   | The product of the Forward Reserve TMNSR Failure-to-Activate MWs and the sum of the Forward Reserve TMNSR Failure-to-Activate Penalty Rate and the Forward Reserve TMNSR Payment Rate.  |
| Subaccount Forward Reserve TMNSR Failure-to-Activate Penalty  | Forward Reserve TMNSR Failure-to-Activate Penalty allocated to Participant’s Subaccount.  |
| Asset Total TMOR Delivered MWs  | The total amount of Asset TMOR Delivered MWs in the Reserve Zones.  |
| Forward Reserve TMOR Contingency Target MW  | The target amount of Forward Reserve TMOR MWs requested to be activated in Real-Time.   |
| Forward Reserve TMOR Contingency Activated MW   | The actual amount of Forward Reserve TMOR MWs activated in Real-Time.   |
| Adjusted TMOR Contingency Target MWs  | The target amount of Forward Reserve TMOR MWs requested to be activated in Real-Time. The MWs associated with Demand Reduction will be increased by the Pool Distribution Loss Factor.  |
| Adjusted TMOR Contingency Activated MWs   | The actual amount of Forward Reserve TMOR MWs activated in Real-Time. The MWs associated with Demand Reduction will be increased by the Pool Distribution Loss Factor.  |

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| <Customer Name>   |   |
| Date: mm/dd/yyyy and Version: mm/dd/yyyy hh:mm:ss GMT                             |   |
| Availability: Daily   |   |
| REPORT COLUMN   | DESCRIPTION   |
| Forward Reserve TMOR Failure-to-Activate Flag                                     | Indication that a Generating Unit did not activate its Forward Reserve Capability when asked to provide energy, <i>or</i> an indication that an Asset Related Demand Unit did not interrupt energy consumption when asked to provide Forward Reserve Capability. <ul style="list-style-type: none"> <li>• Y</li> <li>• N</li> </ul>   |
| Forward Reserve TMOR Failure-to-Activate MW                                       | When the Forward Reserve TMOR Failure-to-Activate Flag is set to “Y”, the lesser of: (Asset Total TMOR Delivered MWs + Asset Total Forward TMNSR Delivered MWs) – (Asset Forward TMNSR Failure-to-Activate MWs + Forward Reserve TMOR Contingency Activated MW), or (Forward Reserve TMOR Contingency Target MW – Asset Forward TMNSR Failure to Activate MWs - TMOR Contingency Activated MW). |
| Forward Reserve TMOR Payment Rate   | The Forward Reserve Market Monthly Clearing Price for TMOR divided by the Delivery Hours in the Month.  |
| Forward Reserve TMOR Failure-to-Activate Penalty Rate                             | Rate used to calculate the Forward Reserve TMOR Failure-to-Activate Penalty, which is the greater of the Real-Time Nodal LMP, or the Forward Reserve TMOR Payment Rate multiplied by the Failure to Activate Penalty factor, as defined in Market Rule 1.   |
| Forward Reserve TMOR Failure-to-Activate Penalty                                  | The product of the Forward Reserve TMOR Failure-to-Activate MWs and the sum of the Forward Reserve TMOR Failure-to-Activate Penalty Rate and the Forward Reserve TMOR Payment Rate.   |
| Subaccount Forward Reserve TMOR Failure-to-Activate Penalty                       | Forward Reserve TMOR Failure-to-Activate Penalty allocated to Participant’s Subaccount.   |
| <b>Real-Time Hourly Reserve Section</b>   |   |
| Subaccount ID   | The alpha numeric identifier for the subaccount.  |
| Subaccount Name   | The name of the subaccount.   |
| Trading Interval  | Specific hour for which the information is reported. Numeric from 1 – 24. (For daylight-saving crossover days: the long day extra hour = 02X, the short day removes hour 02.)   |
| Reserve Zone ID   | Numerical identifier for a Reserve Zone.  |
| Reserve Zone Name   | Name of the Reserve Zone.   |
| Asset ID  | Numerical identifier for the asset as associated with the subaccount.   |
| Asset Name  | Name of the asset.  |
| Asset Type  | Specified Asset type such as: <ul style="list-style-type: none"> <li>• GENERATOR</li> <li>• LOAD</li> <li>• DEMAND RESPONSE RESOURCE</li> </ul>   |
| Ownership Share   | A right or obligation, for purposes of settlement, to a percentage share of all credits or charges associated with an asset.  |
| Real-Time TMSR Credit   | The sum of the five-minute Real-Time TMSR Reserve Credits for the hour.   |
| Subaccount TMSR Credit  | The sum of the five-minute TMSR Credits for the hour allocated to Participant’s Subaccount.   |
| Real-Time TMNSR Credit  | The sum of the five-minute Real-Time TMNSR Reserve Credits for the hour.  |
| Subaccount TMNSR Credit   | The sum of the five-minute TMNSR Credits for the hour allocated to Participant’s Subaccount.  |

**SD\_RSVASTDTLSUB – Reserve Asset Detail Subaccount Report – Rev 0**

SD\_RSVASTDTLSUB\_<customer id>\_<settlement date>\_<version>\_<subaccount\_id>.CSV

<CustomerName>

Date: mm/dd/yyyy and Version: mm/dd/yyyy hh:mm:ss GMT

Availability: Daily

| REPORT COLUMN          | DESCRIPTION   |
|------------------------|---|
| Real-Time TMOR Credit  | The sum of the five-minute Real-Time TMOR Reserve Credits for the hour.                     |
| Subaccount TMOR Credit | The sum of the five-minute TMOR Credits for the hour allocated to Participant's Subaccount. |

| SD_RSVASTDTLSUB Change Summary | Effective Date |
|--------------------------------|----------------|
| New.                           | 01.01.2021     |