## SD_RTNCPCPOSTGENSUB – Real-Time NCPC Generator Posturing Credit Subaccount Report – Rev 0

SD_RTNCPCPOSTGENSUB_<customer id>_<settlement date>_<version>_<subaccount id>.CSV

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

<table>
<thead>
<tr>
<th>REPORT COLUMN</th>
<th>DESCRIPTION</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>LEG Generators - Daily Section</strong></td>
<td></td>
</tr>
<tr>
<td>Subaccount ID</td>
<td>The alpha numeric identifier for the subaccount.</td>
</tr>
<tr>
<td>Subaccount Name</td>
<td>The name of the subaccount.</td>
</tr>
<tr>
<td>Asset ID</td>
<td>Numerical identifier for the asset.</td>
</tr>
<tr>
<td>Asset Name</td>
<td>Name of the asset.</td>
</tr>
<tr>
<td>Generator Type</td>
<td>The registered type of the generator.</td>
</tr>
<tr>
<td>Postured Start Hour</td>
<td>The date/time of the first Trading Interval of the posturing event. (Date format MM/DD/YYYY HH:HH for hours 01-24; the long day extra hour = 02X, the short day removes hour 02.)</td>
</tr>
<tr>
<td>Maximum Daily Energy</td>
<td>The maximum daily energy MWh limit value for the generator.</td>
</tr>
<tr>
<td>Available Energy</td>
<td>The energy available as of the Postured Start Hour.</td>
</tr>
<tr>
<td>Initial Energy Quantity</td>
<td>The energy allocated to an asset at a station. If there are not multiple assets at the station, this equals Available Energy.</td>
</tr>
<tr>
<td>Total Added Energy Quantity (Pumps Only)</td>
<td>The energy added to the pond for a pumped storage asset during the posturing event.</td>
</tr>
<tr>
<td>Actual Remaining Energy Quantity</td>
<td>The Initial Energy Quantity plus the Total Added Energy Quantity (Pumps Only), less the sum of the five-minute Energy Quantity, for the posturing event.</td>
</tr>
<tr>
<td>Energy Replacement Price</td>
<td>For Generator Type ‘Hydro: Pumped Storage’, price is the average of the Day-Ahead LMP in hours ending 3 through 5 in the subsequent operating day. For Generator Type ‘Oil’, price is the product of the oil index price and the oil-fired generator proxy heat rate. Otherwise, price is zero.</td>
</tr>
<tr>
<td>Total Actual Revenue</td>
<td>The sum of the five-minute Actual Revenue values for the posturing event.</td>
</tr>
<tr>
<td>Optimized Output Remaining Energy Quantity</td>
<td>The amount of energy remaining after calculating the optimal energy dispatch for the asset.</td>
</tr>
<tr>
<td>Optimized Output Avoided Replacement Cost</td>
<td>If the Generator Type is ‘Hydro: Pumped Storage’, cost is the sum of the Total Added Energy Quantity (Pumps Only) and the Optimized Output Remaining Energy Quantity multiplied by the Energy Replacement Price. If the Generator Type is ‘Oil’, cost is the product of the Energy Replacement Price and the Optimized Output Remaining Energy Quantity.</td>
</tr>
<tr>
<td>Total Optimized Output Revenue</td>
<td>The Optimized Energy Revenue for the posturing event.</td>
</tr>
<tr>
<td>Posturing Credit</td>
<td>The credit is calculated as follows:</td>
</tr>
</tbody>
</table>
### Report Column | Description
--- | ---
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.
Asset Name | Name of the asset.
Generator Type | The registered type of the generator.
Fast Start Generator | Indicates if the asset was considered Fast Start Generator at the time of posturing. (Y/N)
Postured Reason | The reason the generator was postured, as follows:
  - Economic
  - LV VAR
Postured MW | The dispatch level at which the asset was postured to operate.
Added Energy Quantity (Pumps Only) | The energy added to the pond for a pumped storage asset during the Trading Interval.
Optimized Energy Output Quantity | The optimal output level determined by the asset’s energy offer and operating parameters.
Optimized Energy Revenue | The product of the Optimized Energy Output Quantity and the Real-Time LMP.
Hourly Posturing Credit | The Posturing Credit for the day divided by the number of hours in the posturing event.
Ownership Share | A right or obligation, for purposes of settlement, to a percentage share of all credits or charges associated with an asset.
Subaccount Share of Posturing Credit | Subaccount share of the Posturing Credit based on the Ownership Share of the asset.

### Non-LEG Generators Section
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.
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Date: mm/dd/yyyy and Version: mm/dd/yyyy hh:mm:ss GMT  
Availability: Daily

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<tr>
<th>REPORT COLUMN</th>
<th>DESCRIPTION</th>
</tr>
</thead>
<tbody>
<tr>
<td>Asset Name</td>
<td>Name of the asset.</td>
</tr>
<tr>
<td>Fast Start Generator</td>
<td>Indicates if the asset was considered Fast Start Generator at the time of the posturing commitment. (Y/N)</td>
</tr>
</tbody>
</table>
| Postured Reason | The reason the generator was postured, as follows:  
• Economic  
• LV VAR |
| Postured MW    | The dispatch level at which the asset was postured to operate. |
| Actual Energy Revenue | The sum of five-minute Actual Energy Revenue. |
| Actual Hourly Cost | The sum of the five-minute Actual Cost. |
| Optimized Energy Output Quantity | The optimal output level determined by the asset’s energy offer and operating parameters. |
| Optimized Energy Revenue | The product of the Optimized Energy Output Quantity and the Real-Time LMP. |
| Optimized Energy Cost | The cost of energy based on the asset’s energy offer and the Optimized Energy Output Quantity. |
| Optimized Hourly Cost | The sum of the Hourly Start-Up Cost, No Load Cost, and Optimized Energy Cost. |
| Posturing Credit | The credit is calculated as follows:  
\[
\text{MAX} \left[ 0, (\text{Optimized Energy Revenue} - \text{Optimized Hourly Cost}) - (\text{Actual Energy Revenue} - \text{Actual Hourly Cost}) \right]
\] |
| Ownership Share | A right or obligation, for purposes of settlement, to a percentage share of all credits or charges associated with an asset. |
| Subaccount Share of Posturing Credit | Subaccount share of the generator Posturing Credit based on the Ownership Share of the asset. |

### LEG Generators – Five-Minute Section

<table>
<thead>
<tr>
<th>REPORT COLUMN</th>
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<tbody>
<tr>
<td>Subaccount ID</td>
<td>The alpha numeric identifier for the subaccount.</td>
</tr>
<tr>
<td>Subaccount Name</td>
<td>The name of the subaccount.</td>
</tr>
<tr>
<td>Trading Interval</td>
<td>Specific five-minute interval for which the information is reported. (For daylight-saving crossover days: the long day extra hour = hh:mmX, the short day removes intervals from 01:00 to 01:55.)</td>
</tr>
<tr>
<td>Hour End</td>
<td>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.)</td>
</tr>
<tr>
<td>Asset ID</td>
<td>Numerical identifier for the asset.</td>
</tr>
<tr>
<td>Asset Name</td>
<td>Name of the asset.</td>
</tr>
<tr>
<td>Energy Quantity</td>
<td>The Metered Quantity for Settlement for the five-minute trading interval.</td>
</tr>
<tr>
<td>REPORT COLUMN</td>
<td>DESCRIPTION</td>
</tr>
<tr>
<td>----------------------</td>
<td>-----------------------------------------------------------------------------</td>
</tr>
<tr>
<td>Actual Energy Revenue</td>
<td>The product of the Energy Quantity and the Real-Time LMP, divided by 12.</td>
</tr>
<tr>
<td>Subaccount ID</td>
<td>The alpha numeric identifier for the subaccount.</td>
</tr>
<tr>
<td>Subaccount Name</td>
<td>The name of the subaccount.</td>
</tr>
<tr>
<td>Trading Interval</td>
<td>Specific five-minute interval for which the information is reported.</td>
</tr>
<tr>
<td></td>
<td>(For daylight-saving crossover days: the long day extra hour = hh:mmX, the short day removes intervals from 01:00 to 01:55.)</td>
</tr>
<tr>
<td>Hour End</td>
<td>Specific hour for which the information is reported.</td>
</tr>
<tr>
<td></td>
<td>(For daylight-saving crossover days: the long day extra hour = 02X, the short day removes hour 02.)</td>
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<tr>
<td>Energy Quantity</td>
<td>The Metered Quantity for Settlement for the five-minute trading interval.</td>
</tr>
<tr>
<td>Actual Energy Revenue</td>
<td>The product of the Energy Quantity and the Real-Time LMP, divided by 12.</td>
</tr>
<tr>
<td>Start-Up Cost</td>
<td>The Final Start-Up Cost from the Real-Time NCPC Credit calculations.</td>
</tr>
<tr>
<td>No Load Cost</td>
<td>The Final No Load Cost from the Real-Time NCPC Credit calculations.</td>
</tr>
<tr>
<td>Actual Energy Cost</td>
<td>The cost of energy based on the asset’s energy offer and the Energy Quantity, divided by 12.</td>
</tr>
<tr>
<td>Actual Cost</td>
<td>The sum of the Start-Up Cost, No Load Cost, and Actual Energy Cost.</td>
</tr>
</tbody>
</table>

**SD_RTNCPPOSTGENSUB Change Summary**

<table>
<thead>
<tr>
<th>New</th>
<th>Effective Date</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>06.01.2021</td>
</tr>
</tbody>
</table>