**EIM Non-Participating Resource Data Template**

**Preamble and Instructions**

Basic generator information for Non-Participating Resources inside BPA’s Balancing Authority Areas (BAAs) which are modeled in BPA’s network model needs to be supplied to the CAISO for use in its network model. The BPA EIM Entity will fill out the initial registration and provide the MO with the EIM Non-Participating Resource Data Template (“NPRDT”) information for all resources currently in the BPA BAA and modeled in BPA’s network model.

After EIM go-live, Transmission Customers with Non-Participating Resources of 3MW or greater located inside BPA’s Balancing Authority Area which are not modeled in BPA’s network model, or which have any changes to registered attributes, or which is a new resource, shall submit basic generator information to the BPA EIM Entity on the CAISO’s Energy Imbalance Market Generator Resource Data Template which will then be submitted to CAISO for use in its network model. The data provided allows CAISO to accurately model generator capability and transmission congestion in BPA’s BAAs.

The EIM Generator Resource Data Template can be found below or on the CAISO’s website via the following link:

Network and Resource Modeling

For the data template to be considered complete, the Transmission Customer shall accurately provide all applicable information in the required fields.

Completed forms shall be sent by email to AAAAA@bpa.gov.

**Initial Submission:**

Transmission Customers shall initially submit a completed NPRDT for each Resource in BPA’s network model per the existing modeling timeline required by the RC and stipulated in the interconnection or other long term agreement.

**Updating Information:**

If any of the Resource data supplied by the Transmission Customer on the NPRDT changes, an interconnection request may be needed depending on the type of change. The Transmission Customer shall complete an updated NPRDT and submit it to the BPA EIM Entity at AAAAAAAA@bpa.gov within fifteen (15) days of the occurrence of the change.

**BPA Contact Information**

Any questions regarding the NPRDT can be submitted to AAAAAA@bpa.gov.

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| --- | --- | --- |
| **Data Type** | **Resource Information** | **Notes** |
| **Customer Name** |  |  |
| Customer Account Name |  |
| Customer Contact Name |  |
| Customer Phone Number |  |
| Customer Email Address |  |
| Generator BPA Contract Number  |  | Ex. 20TX-16773 |
|  |  |  |
| **Resource Basic Information** |  |  |
| Resource Name |  |  |
| Application Interconnection Agreement Number and project one-line |  |  |
| Fuel Type |  | Primary fuel type: **BGAS** - Bio Gas (Landfill, Sewage, Digester, etc.), **BIOM** - Biomass, **COAL** -Coal, **DDR** - Dispatchable Demand Response, **DIST** - DIST, **GAS** - Natural Gas, **GEOT** - Geothermal, **HRCV** - HRCV, **LESR** - Limited Energy Storage Resource, **NUCL** - Nuclear, **OIL** - Oil, **OTHR** - Other, **SOLR** - Solar, **WAST** - Waste to Energy, **WATR** - Water, **WIND** - Wind |
| Prime Mover Technology |  | Prime mover technology: **CCYC** - Combined Cycle, **GTUR** - Gas Turbine, **HYDR** - Hydro Turbine, **OTHR** - Other, **PHOT** - Photovoltaic, **PTUR** - Hydro Pump-Turbine, **PUMP** - Pump, **RECP -** Reciprocating Engine, **STUR** - Steam Turbine, **SYNC** - Synchronous Condenser, **WIND** - wind |
| Maximum Generation Capacity (MW) |  | If unknown supply MVA nameplate and Power Factor  |
| Minimum Generation Capacity (MW) |  | For a Generating Unit, the minimum hourly integrated value for which the Generating Unit could be scheduled |
| Minimum Off Time (Minutes) |  | \*Typically only applies to gas plants, should be 0 for all others. Must be at least as long as the 'Start-Up Time' cell below |
| Maximum Startups Per Day |  | If unknown, default to 1, must be at least 1 |
| Is Resource Variable Energy (Y/N) |  | Wind, Solar |
| VER Forecast Selection |  | Who provides Variable Energy Resource forecast? |
| **Startup Information** |  |  |
|  |  | \*Hot, Warm and Cold Startup information only applies to steam, gas turbines. Wind/hydro/solar units only need the initial Startup time. All three stages are not required. If info not available assume only hot startups with 0 as the required cooling time |
| **Hot Startup** |  |  |
| Required Cooling Time (Minutes) |  | How are the cooling-time ranges defined by the resource owner? Example: Utility X defines a hot startup as the resource being offline for 0 to 6 hours, a warm startup from 6 to 48 hours and cold anything over 48 hours. Hot startup must be 0 to account for a unit that was just shut down |
| Start-Up Time (Minutes) |  | How long does it take for the resource to reach the minimum generation level (Pmin) from a hot startup |
| **Warm Startup** |  |  |
| Required Cooling Time (Minutes)Start-Up Time (Minutes) |  | How long does it take for the resource to reach the minimum generation level (Pmin) from a warm startup |
| **Cold Startup** |  |  |
| Required Cooling Time (Minutes)Start-Up Time (Minutes) |  | How long does it take for the resource to reach the minimum generation level (Pmin) from a cold startup |
|  |  |  |

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| **Ramp Rate Info** |  |  |
|  |  | Up to 5 points allowed on the ramp rate curve for each resource but only 2 are required (Pmin and Pmax) |
| **Segment 1** |  |  |
| Operating Level (MW) |  | Operating Level is the Generating Unit MW output at this point on the ramp rate curve. The first point of MW output must be the unit's Pmin. The last point must be the unit's Pmax |
| Worst Operational Ramp Rate (MW/Minute) |  | Worst Operational Ramp Rate is the maximum ramp rate (MW/minute) under the worst operating conditions of the unit between this point on the ramp rate curve and the next point. If unknown use average ramp rate |
| Best Operational Ramp Rate (MW/Minute) |  | Best Operational Ramp Rate is the maximum ramp rate (MW/minute) under the best operating conditions of the unit between this point on the ramp rate curve and the next point. If unknown use average ramp rate |
| **Segment 2** |  |  |
| Operating Level (MW) |  |  |
| Worst Operational Ramp Rate (MW/Minute) |  |  |
| Best Operational Ramp Rate (MW/Minute) |  |  |
| **Segment 3** |  |  |
| Operating Level (MW) |  |  |
| Worst Operational Ramp Rate (MW/Minute) |  |  |
| Best Operational Ramp Rate (MW/Minute) |  |  |
| **Segment 4** |  |  |
| Operating Level (MW) |  |  |
| Worst Operational Ramp Rate (MW/Minute) |  |  |
| Best Operational Ramp Rate (MW/Minute) |  |  |
| **Segment 5** |  |  |
| Operating Level (MW) |  |  |
| Worst Operational Ramp Rate (MW/Minute) |  |  |
| Best Operational Ramp Rate (MW/Minute) |  |  |