|  |  |  |  |
| --- | --- | --- | --- |
| RRGRR Number | [025](http://www.ercot.com/mktrules/issues/RRGRR025) | RRGRR Title | Related to NPRR1005, Clarify Definition of Point of Interconnection (POI) and Add Definition Point of Interconnection Bus (POIB) |
| Date of Decision | June 23, 2021 |
| Action | Recommended Approval |
| Timeline  | Normal |
| Proposed Effective Date | Upon system implementation of Nodal Protocol Revision Request (NPRR) 1005, Clarify Definition of Point of Interconnection (POI) and Add Definition Point of Interconnection Bus (POIB) |
| Priority and Rank Assigned | Not Applicable |
| Resource Registration Glossary Sections Requiring Revision  | Section 2, Resource Registration Glossary – Unit Information |
| Related Documents Requiring Revision/Related Revision Requests | NPRR1005Nodal Operating Guide Revision Request (NOGRR) 210, Related to NPRR1005, Clarify Definition of Point of Interconnection (POI) and Add Definition Point of Interconnection Bus (POIB) |
| Revision Description | This Resource Registration Glossary Revision Request (RRGRR) clarifies language by use of new NPRR1005-proposed defined term Point of Interconnection Bus (POIB). |
| Reason for Revision |  Addresses current operational issues. Meets Strategic goals (tied to the [ERCOT Strategic Plan](http://www.ercot.com/content/wcm/lists/144926/ERCOT_Strategic_Plan_2019-2023.pdf) or directed by the ERCOT Board). Market efficiencies or enhancements Administrative Regulatory requirements Other: (explain)*(please select all that apply)* |
| Business Case | The current definition of the term Point of Interconnection (POI) requires that a POI must be at a substation (at a specified voltage level) but also that this substation must be reflected in the Standard Generation Interconnection Agreement (SGIA). This is problematic not only because many Generation Resources that are either older or Non-Opt-In Entity (NOIE)-owned do not have an SGIA, but also because the SGIA in Section 1.14 defines the POI to be the point where ownership changes from the generator to the Transmission Service Provider (TSP), and in many cases, the POI designated in the SGIA is at some location other than the substation. In these cases, it is not clear what point should be considered the POI under the definition of that term.In many cases where the term POI is used in the Protocols, the meaning is material to the application of the provision. For example, in paragraph (1) of Protocol Section 10.3.2.2, Loss Compensation of EPS Meter Data, POI must be understood to refer to the point of ownership change, and not necessarily the TSP’s substation, because the provision applies only when “the EPS Meter is not located at the [POI]” and would therefore have no meaning if the POI was always understood to be at the substation where the EPS Meter is located. In other cases, such as with the Voltage Support Service (VSS) requirements in Protocol Section 3.15, Voltage Support, and Protocol Section 6.5.7.7, Voltage Support Service, POI must be understood to refer to a TSP-owned substation because the TSP metering equipment used to monitor voltage is always located at the substation, and not necessarily at the point of ownership change defined in the SGIA. Given these differing uses of the term POI, ERCOT has concluded that two terms are necessary—one to refer to the point of ownership change, consistent with the definition in the SGIA, and one to refer to the substation downstream of the point of ownership change, or more precisely, to one or more buses in that substation (given that electrical differences may exist at different buses in the same substation, and that, for all instances in the Protocols where POI should be understood to refer to the downstream substation, bus-level measurements appear to be appropriate). For the sake of consistency with the SGIA, ERCOT proposes to modify the existing term POI to conform to the SGIA’s conception of the POI as the point of ownership change. At the same time, ERCOT proposes to remove the reference to the SGIA in that definition, since NOIE generators and certain older generators may not have an SGIA. For the purpose of existing POI references that may be reasonably understood to refer to some point in the TSP’s substation downstream of that point of ownership change, ERCOT is proposing a new term POIB.  |
| ROS Decision | On 6/4/20, ROS voted unanimously via roll call to table RRGRR025. All Market Segments participated in the vote.On 9/3/20, ROS voted unanimously via roll call to recommend approval of RRGRR025 as submitted. All Market Segments participated in the vote.On 10/8/20, ROS voted unanimously via roll call to endorse and forward to TAC the 9/3/20 ROS Report and Impact Analysis for RRGRR025. All Market Segments participated in the vote. |
| Summary of ROS Discussion | On 6/4/20, there was no discussion.On 9/3/20, there was no discussion.On 10/8/20, there was no discussion. |
| TAC Decision | On 10/28/20, TAC voted unanimously via roll call to table RRGRR025. All Market Segments participated in the vote.On 6/23/21, TAC voted unanimously via roll call to recommend approval of RRGRR025 as recommended by ROS in the 10/8/20 ROS Report. All Market Segments participated in the vote. |
| Summary of TAC Discussion | On 10/28/20, participants discussed tabling RRGRR025 to await the related NPRR1005.On 6/23/21, there was no discussion. |
| ERCOT Opinion | ERCOT supports approval of RRGRR025. |

|  |
| --- |
| Sponsor |
| Name | Jay Teixeira |
| E-mail Address | Jay.Teixeira@ercot.com |
| Company | ERCOT |
| Phone Number | 512-248-6582 |
| Market Segment | Not Applicable |

|  |
| --- |
| **Market Rules Staff Contact** |
| **Name** | Brittney Albracht |
| **E-Mail Address** | Brittney.Albracht@ercot.com  |
| **Phone Number** | 512-225-7027 |

|  |
| --- |
| **Comments Received** |
| Comment Author | **Comment Summary** |
| None |  |

|  |
| --- |
| Market Rules Notes |

Please note the baseline language in the following sections has been updated to reflect the incorporation of the following RRGRRs into the Resource Registration Glossary:

* RRGRR023, Related to NPRR1002, BESTF-5 Energy Storage Resource Single Model Registration and Charging Restrictions in Emergency Conditions (incorporated 1/1/21)
	+ Section 2, Unit Information
* RRGRR027, Clarify Models Required to Proceed with an FIS (incorporated 3/1/21)
	+ Section 2, Unit Information

Please note that the following RRGRR(s) also propose revisions to the following section(s):

* RRGRR029, Related to NPRR1077, Extension of Self-Limiting Facility Concept to Settlement Only Generators (SOGs) and Telemetry Requirements for SOGs
	+ Section 2, Unit Information
* RRGRR031, Related to NPRR995, RTF-6 Create Definition and Terms for Settlement Only Energy Storage
	+ Section 2, Unit Information

|  |
| --- |
| Proposed Guide Language Revision |

|  |
| --- |
| **SECTION 2: RESOURCE REGISTRATION GLOSSARY - Effective March 1, 2021** |
| **Resource Registration Data** | **Wind** | **Solar Photovoltaic (PV)** | **[RRGRR023: Insert column "Energy Storage Resource (ESR)" upon system implementation of NPRRs 1002, 1026, and 1029]** | **Conventional Generation (Gen)** | **Combined Cycle (CC)** | **Load Resources** | **Distributed Generation** | **Notes** | **Field Name** | **Definition / Detailed Description** | **Screening Study (SS) (R, C, O, A)** | **Full Interconnect Study (FIS) - Steady-State, Short Circuit, and Facility(R, C, O, A)** | **FIS - Stability Study(R, C, O, A)** | **Planning Model(R, C, O, A)**  | **Full Registration (R, C, O, A)**  |  |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| **Unit Information** |
| Unit Information | X | X | X | X |  |  | X |  | Resource Site Code: | Enter the Site Code established in the General and Site Information tab of the GENERAL\_SITE\_ESIID\_Information workbook. | R | R | R | R | R |  |
| Unit Information | X | X | X | X | X |  | X | All Caps | UNIT NAME | Enter Unit Code for the generator unit (e.g. Cedar Bayou Plant Gen 1 is "CBYG1"). | R | R | R | R | R |  |
| ***[RRGRR023: Replace "Unit Information - UNIT NAME" above with the following upon system implementation of NPRRs 1002, 1026, and 1029:]*** |
| Unit Information | X | X | X | X | X |   | X | All Caps | UNIT NAME | Enter Unit Code for the generator unit (e.g. Cedar Bayou Plant Gen 1 is "CBYG1"). For ESR this is the name of the ESR while discharging. | R | R | R | R | R |   |
| Unit Information | X | X | X | X | X |   | X | Automatic | Resource Name (Unit Code/Mnemonic) | Concatenated mnemonic of Resource Site Code and Unit name (e.g. CBY\_CBYG1). |   |   |   | A | A |   |
| ***[RRGRR023: Insert "Unit Information" rows below upon system implementation of NPRRs 1002, 1026, and 1029:]*** |
| Unit Information |   |   | X |   |   |   |   | All Caps | Energy Storage Resource (ESR) Name  | This name is used to tie ESR discharging and charging, prior to single ESR model era.  | R | R | R | R | R |   |
| Unit Information |   |   | X |   |   |   |   | All Caps | Dispatch Asset Code (provided by ERCOT) | For ESR enter the Dispatch Asset Code (this code will be provided by ERCOT). This code will be used for ESR while charging. |   |   |   |   | R |   |
| Unit Information |   |   | X |   |  |   |   |   | ESIID assigned to meter | ESI ID number assigned to the meter. For NOIEs, the TDSP will create a non-settlement ESI ID. |   |   |   |   | R |   |
| Unit Information |   |   | X |   |  |   |   | Y/N | Wholesale Delivery Point? | Enter Y or N, if the point of delivery is a wholesale delivery point. |   |   |   |   | R |   |
| Unit Information | X | X | X | X |  |   |   | Y/N | Settlement Only Generator (SOG) | Refer to ERCOT Protocol Section 2.1, Definitions, for the definition of a Settlement Only Generator (SOG).  |   |   |   | R | R |   |
| Unit Information | X | X | X | X |  |   |   |  | PUC Registration Number | Enter the PUCT registration number.  |   |   |   |   | O |   |
| ***[RRGRR023: Insert "Unit Information" rows below upon system implementation of NPRRs 1002, 1026, and 1029:]*** |
| Unit Information | X | X | X |   |   |   |   | Y/N | DC-Coupled Resource | Refer to ERCOT Protocol Section 2.1, Definitions, for the definition of a DC-Coupled Resource | R | R | R | R | R |   |
| Unit Information |   |   | X |   |   |   |   | Y/N | Self-Limiting Resource | Refer to ERCOT Protocol Section 2.1, Definitions, for the definition of a Self-Limiting Resource | R | R | R | R | R |   |
| Unit Information | X | X | X | X | X |   |   | Y/N | Part of Self-Limiting Resource Facility | Refer to ERCOT Protocol Section 2.1, Definitions, for the definition of a Self-Limiting Resource Facility | R | R | R | R | R |   |
| Unit Information | X | X | X | X | X |   |   | # | Self-Limiting Facility #  | Self-Limiting Facility # 1, 2, 3….Leave blank if not Self-Limiting Facility. Refer to definition of Self-Limiting Facility in Protocol Section 2.1, Definitions. | R | R | R | R | R |   |
| Unit Information | X | X | X | X | X |   |   | Automatic | Site\_Self-Limiting Facility# | Automatic field. All Resources that are part of the same Self-Limiting Facility will have same code | R | R | R | R | R |   |
| Unit Information | X | X | X | X | X |   |   |  | ERCOT Interconnection Project Number - Only New Units | Enter the ERCOT INR number. Required for new or upgraded units.  |   | C | C | C | C |   |
| Unit Information | X | X | X | X |  |   |   |  | NERC Number | Enter NERC NCR number. |   |   |   |   | O |   |
| Unit Information | X | X | X | X |  |   |   | Y/N | Qualifying Facility | Refer to ERCOT Protocol Section 2 for the definition of Qualifying Facility.  |   |   |   |   | R |   |
| Unit Information | X | X | X | X | X |   |   | mm/dd/yyyy | Transmission Only MRD | Proposed model load date for RE-owned transmission equipment. |   |   |   |   | O |   |
| Unit Information | X | X | X | X | X |   |   | mm/dd/yyyy | Standard Generation Interconnection Agreement (SGIA) Signature Date | Enter the date the Resource signed SGIA. For NOIEs, use MOU date.  |   |   |   |   | R |   |
| Unit Information | X | X | X | X | X |   | X | mm/dd/yyyy | Unit Start Date (Model Ready Date) | Proposed model load date for unit. Required for new units only. |   |   |   |   | O |   |
| Unit Information | X | X | X | X | X |   |   | mm/dd/yyyy | Commercial Operations Date | Enter the unit's planned Commercial Operations Date. After the unit completes operational performance testing, this field should be updated by the RE with the actual Commercial Operations Date.  | R | R | R | R | R |   |
| Unit Information | X | X | X | X | X |   | X | mm/dd/yyyy | Unit End Date | Entry of a date in this field will result in the unit being removed from the ERCOT model. Enter the model ready date of expected or actual retirement. Leave blank if not known/applicable. |   |   |   |   | O |   |
| Unit Information | X | X | X | X | X |   |   | All Caps | SubStation Code/SubStation Mnemonic | Enter the interconnecting transmission station code. If you need assistance in determining the corresponding ERCOT Substation Code\Mnemonic, please consult your TDSP, or ERCOT. For the SS/FIS, if a substation code cannot be identified, leave field blank and enter the expected electrical connection point as text in the comment section. | O | O | O | R | R |   |
| Unit Information | X | X | X | X | X |   |   | kV | Voltage Level | Enter the nominal voltage level at the Point of Interconnection Bus (e.g. 69kV, 138kV, 345kV). If you need assistance in determining the corresponding Voltage Level, please consult your TDSP, or ERCOT. | R | R | R | R | R |   |
| Unit Information | X | X | X | X | X |   |   | # | PTI Bus Number | Enter the PTI Bus Number at the Point of Interconnection Bus in the planning model. If you need assistance in determining the corresponding PTI Bus Number, please consult your TDSP, or ERCOT. | O | O | O | R | R |   |
| ***[RRGRR023: Insert "Unit Information - Transmission Station Load Name in Network Operations Model" below upon system implementation of NPRRs 1002, 1026, and 1029:]*** |
| Unit Information |   |   | X |   |   |   |   | All Caps | Transmission Station Load Name in Network Operations Model | Enter the Load Name as listed in the ERCOT model as provided by the TDSP to be used by the ESR while charging. |   |   |   |   | R |   |
| Unit Information | X | X | X | X | X |   | X | List | Primary Fuel Type | AB -- Agriculture Byproducts (bagasse, straw, energy crops)BFG -- Blast-Furnace GasBIT -- Bituminous CoalBL -- Black liquorDFO -- Distillate Fuel Oil (diesel, No1 fuel oil, No 2 fuel oil, No 4 fuel oil)GEO -- GeothermalJF -- Jet FuelKER -- KeroseneLFG -- Landfill GasLIG -- LigniteMSW -- Municipal Solid Waste (refuse)NA -- Not ApplicableNG -- Natural Gas (use this fuel type for steam turbines which are part of a Combined Cycle Train)NUC -- Nuclear (uranium, plutonium, thorium)OBG -- Other - Biomass Gas (methane, digester gas)OBL -- Other - Biomass Liquids (ethanol, fish oil, waste alcohol, other gases)OBS -- Other - Biomass Solids (animal manure/waster, medical waste, paper pellets, paper derived fuel)OG -- Other - Gas (butane, coal processes, coke-oven coal, methanol, refinery gas)OO -- Other - Oil (butane, crude, liquid byproducts, oil waste, propane)OTH -- Other (batteries, chemicals, hydrogen pitch sulfur, misc. technologies)PC -- Petroleum CokePG -- PropaneRFO -- Residual Fuel Oil (No 5 and No 6 fuel oil)STM -- Steam from other unitsSLW -- Sludge WasteSUB -- Sub-bituminous CoalSUN -- Solar (photovoltaic, thermal)TDF -- TiresT -- TidalWAT -- Water (conventional, pumped storage)WDL -- Wood/Wood Waste - Liquids (red liquor, sludge wood spent sulfite liquor, other liquors)WDS -- Wood/Wood Waste - Solids (peat, railroad ties, utility poles, wood chips, other solids)WH -- Waste heat WND -- Wind WOC -- Waste / Other Coal | R | R | R | R | R |   |
| ***[RRGRR023: Replace "Unit Information - Primary Fuel Type" above with the following upon system implementation of NPRRs 1002, 1026, and 1029:]*** |
| Unit Information | X | X | X | X | X |   | X | List | Primary Fuel Type | AB -- Agriculture Byproducts (bagasse, straw, energy crops)BFG -- Blast-Furnace GasBIT -- Bituminous CoalBL -- Black liquorDFO -- Distillate Fuel Oil (diesel, No1 fuel oil, No 2 fuel oil, No 4 fuel oil)GEO -- GeothermalJF -- Jet FuelKER -- KeroseneLFG -- Landfill GasLIG -- LigniteMSW -- Municipal Solid Waste (refuse)MWH – Electricity (use this fuel type for battery energy storage)NA -- Not ApplicableNG -- Natural Gas (use this fuel type for steam turbines which are part of a Combined Cycle Train)NUC -- Nuclear (uranium, plutonium, thorium)OBG -- Other - Biomass Gas (methane, digester gas)OBL -- Other - Biomass Liquids (ethanol, fish oil, waste alcohol, other gases)OBS -- Other - Biomass Solids (animal manure/waster, medical waste, paper pellets, paper derived fuel)OG -- Other - Gas (butane, coal processes, coke-oven coal, methanol, refinery gas)OO -- Other - Oil (butane, crude, liquid byproducts, oil waste, propane)OTH -- Other (chemicals, hydrogen pitch sulfur, misc. technologies)PC -- Petroleum CokePG -- PropaneRFO -- Residual Fuel Oil (No 5 and No 6 fuel oil)STM -- Steam from other unitsSLW -- Sludge WasteSUB -- Sub-bituminous CoalSUN -- Solar (photovoltaic, thermal) or DC-Coupled Resources combining photovoltaic and battery energy storageTDF -- TiresT -- TidalWAT -- Water (conventional, pumped storage)WDL -- Wood/Wood Waste - Liquids (red liquor, sludge wood spent sulfite liquor, other liquors)WDS -- Wood/Wood Waste - Solids (peat, railroad ties, utility poles, wood chips, other solids)WH -- Waste heat WND -- Wind and DC-Coupled Resources combining wind and battery energy storage WOC -- Waste / Other CoalWND\_SUN – DC-Coupled Resources combining wind, photovoltaic and battery energy storage | R | R | R | R | R |   |
| Unit Information | X | X | X | X | X |   |   | List | Secondary Fuel Type | Same data entry elements as primary fuel type, but for secondary or start-up fuel. | R | R | R | R | R |   |
| ***[RRGRR023: Replace "Unit Information - Secondary Fuel Type" above with the following upon system implementation of NPRRs 1002, 1026, and 1029:]*** |
| Unit Information | X | X | X | X | X |   |   | List | Secondary Fuel Type | Same data entry elements as primary fuel type, but for secondary or start-up fuel. For DC-Coupled Resource use MWH  | R | R | R | R | R |   |
| Unit Information | X | X |   | X |  |   |   | List | Fuel Transportation Type | CV -- ConveyorPL -- PipelineRR -- RailroadTK -- TruckNA -- Not Applicable |   |   |   |   | R |   |
| U/nit Information | X | X | X | X |  |   | X | List | Resource Category | NuclearHydroCoal and LigniteCombined Cycle ≤ 90 MW\*Combined Cycle > 90 MW\*Gas Steam - Supercritical BoilerGas Steam - Reheat BoilerGas Steam - Non-reheat or Boiler without air-preheaterSimple Cycle ≤ 90 MWSimple Cycle > 90 MWDieselRenewableReciprocating EngineSolarPower StorageOther |   |   |   | R | R |   |
| ***[RRGRR023: Replace "Unit Information - Resource Category" above with the following upon system implementation of NPRRs 1002, 1026, and 1029:]*** |
| Unit Information | X | X | X | X |  |   | X | List | Resource Category | NuclearHydroCoal and LigniteCombined Cycle ≤ 90 MW\*Combined Cycle > 90 MW\*Gas Steam - Supercritical BoilerGas Steam - Reheat BoilerGas Steam - Non-reheat or Boiler without air-preheaterSimple Cycle ≤ 90 MWSimple Cycle > 90 MWDieselRenewableReciprocating EngineSolarBattery Energy Storage DC-Coupled Battery Energy Storage and SolarDC-Coupled Battery Energy Storage and WindDC-Coupled Battery Energy Storage and Solar and WindOther |   |   |   | R | R |   |
| Unit Information | X | X |   | X |  |   | X | Y/N | Renewable | Indicate if the unit is a Renewable Energy Credit (REC) generator, as certified with the PUCT.  |   |   |   |   | R |   |
| Unit Information | X | X |   | X |  |   | X | Y/N | Renewable/Offset | REC offset generators that produce generation to cover offsets they have been approved to provide, as certified with the PUCT.  |   |   |   |   | R |   |
| Unit Information | X | X | X | X | X |   | X | List | Physical Unit Type | CA -- Combined cycle steam turbine part (includes steam part of integrated coal gasification combined cycle)CC -- Combined cycle total unit (use only for plants/generators that are in planning stage, for which specific generator details cannot be provided)CE -- Compressed air energy storageCS -- Combined cycle single shaft (combustion turbine and steam turbine share a single generator)CT -- Combined cycle combustion/gas turbine part (includes comb. turbine part of integrated coal gasification combined cycle)FC -- Fuel CellGT -- Simple-cycle Combustion (gas) turbine (includes jet engine design)HY -- Hydraulic turbine (includes turbines associated with delivery of water by pipeline)IC -- Internal combustion (diesel, piston) engineNA -- Unknown at this time (planned units only)OT -- OtherPS -- Hydraulic Turbine - Reversible (pumped storage)PV -- PhotovoltaicST -- Steam Turbine including nuclear, geothermal and solar. Does not include combined cycle.WT -- Wind Turbine | R | R | R | R | R |   |
| ***[RRGRR023: Replace "Unit Information - Physical Unit Type" above with the following upon system implementation of NPRRs 1002, 1026, and 1029:]*** |
| Unit Information | X | X | X | X | X |   | X | List | Physical Unit Type | BA – Battery Energy StorageBA-PV – DC-Coupled Battery Energy Storage and PhotovoltaicBA-WT – DC-Coupled Battery Energy Storage and Wind TurbineBA-PV-WT – DC-Coupled Battery Energy Storage, Photovoltaic and Wind TurbineCA -- Combined cycle steam turbine part (includes steam part of integrated coal gasification combined cycle)CC -- Combined cycle total unit (use only for plants/generators that are in planning stage, for which specific generator details cannot be provided)CE -- Compressed air energy storageCS -- Combined cycle single shaft (combustion turbine and steam turbine share a single generator)CT -- Combined cycle combustion/gas turbine part (includes comb. turbine part of integrated coal gasification combined cycle)FC -- Fuel CellGT -- Simple-cycle Combustion (gas) turbine (includes jet engine design)HY -- Hydraulic turbine (includes turbines associated with delivery of water by pipeline)IC -- Internal combustion (diesel, piston) engineNA -- Unknown at this time (planned units only)OT -- OtherPS -- Hydraulic Turbine - Reversible (pumped storage)PV -- PhotovoltaicST -- Steam Turbine including nuclear, geothermal and solar. Does not include combined cycle.WT -- Wind Turbine | R | R | R | R | R |   |
| Unit Information | X | X | X | X | X |   | X | MVA | Name Plate Rating | Manufacturer designed MVA Rating of this unit at its rated power factor (gross). | R | R | R | R | R |   |
| Unit Information | X | X | X | X | X |   |   | MW | Real Power Rating | Manufacturer designed MW at rated power factor (gross). | R | R | R | R | R |   |
| Unit Information | X | X | X | X | X |   |   | MVAR | Reactive Power Rating | Manufacturer designed MVAr at rated power factor (gross) | R | R | R | R | R |   |
| Unit Information | X | X |   | X | X |   |   | MW | Turbine Rating | Manufacturer designed MW of the turbine (gross) | C | C | C | R | C |   |
| Unit Information | X | X | X | X | X |   |   | kV | Unit Generating Voltage | Terminal voltage of generating unit, as modeled (typically equivalent to low side of GSU) | R | R | R | R | R |   |
| Unit Information | X | X | X | X | X |   |   |  | Governor Droop Setting | The percent change in frequency that will cause generator output to change from no Load to full Load. (e.g. for 5%, use .05) |   |   |   |   | C |   |
| Unit Information | X | X | X | X | X |   |   | Hz | Governor Dead-band | The range of deviations of system frequency (+/-) that produces no Primary Frequency Response. |   |   |   |   | R |   |
| Unit Information | X | X | X | X | X |   |   | degree F | Design Max Ambient Temperature | This is the plant design maximum (high) air temperature.  |   |   |   |   | O |   |
| Unit Information | X | X | X | X | X |   |   | degree F | Design Min Ambient Temperature | This is the plant design minimum (low) air temperature.  |   |   |   |   | O |   |
| ***[RRGRR019 and RRGRR023: Insert applicable portions of "Unit Information - Switchable Generation Resource" below upon system implementation of RRGRR019 or NPRRs 1002, 1026, and 1029 respectively:]*** |
| Unit Information | X | X | X | X | X |   |   | Y/N | Switchable Generation Resource | Is the unit able to switch between the ERCOT Control Area and a non-ERCOT Control Area? | R | R | R | R | R |   |