

Appendix A: Generator Static Fields



Appendix A will provide definitions for the static data fields for a REC generator registration. The tables below are organized by their respective tabs in the M-RETS generator registration interface.

Required fields are indicated with an asterisk *

General Tab

General Information	
<i>Facility Name*</i>	Name of the facility.
<i>Unit Name*</i>	Name of the unit that is being registered as part of the overall facility registration. (e.g: Facility Name: Hoover Dam, Unit Name: Hoover Dam Unit 1).
<i>EIA Number</i>	The EIA plant ID (only assigned to generators that are above 1 MW in nameplate capacity).
<i>Qualifying Facility?</i>	Yes: The facility is a qualifying facility under ⊕ PURPA Qualifying Facilities . No: The facility is not approved as a qualifying facility.
<i>Qualifying Facility ID</i>	The qualifying facility ID assigned by NERC.
Location	
<i>Country*</i>	Country where the facility is located.
<i>State or Province*</i>	State or Province where the facility is located.
<i>County or Municipality*</i>	County where the facility is located.
<i>Facility Photo</i>	A photo of the facility.
Reporting and Issuance	
<i>Reporting Entity*</i>	Organization that reports generation data for the Generator. (e.g: Self Reporting, QRE, or MISO and SPP).
<i>Reporting Unit ID</i>	RTO Market Settlement Node (MISO & SPP reporting) or user created identifier.
<i>Issuance Account*</i>	Active account that all issued certificates will be deposited.

Owner Tab

General Ownership Information	
<i>Single Owner Facility? *</i>	<p>Yes: The facility has one owner.</p> <p>No: The facility is owned by multiple organizations. Input the additional owners.</p>
Ownership Type and Registration Rights	
<i>Ownership Types*</i>	The organization type that owns the generator (e.g: Independent Power Producer, Irrigation District).
<i>Do you have a PPA?</i>	<p>Yes: The facility is being used to fulfill a PPA. The PPA should be uploaded under documents.</p> <p>No: The facility is not being used to fulfill a PPA.</p>
<i>Assignment of Registration Rights</i>	<p>Yes: Facility is a single owner facility or the Schedule A is signed by both the owner and the responsible party.</p> <p>No: Not applicable.</p>
<i>Assignment of Registration Rights Date</i>	Date the Schedule A - Designation of Registration Rights was signed by the facility owner.
<i>Court/Regulator Assignment of Rights</i>	<p>Yes: Registration rights are assigned by a Court/Regulator.</p> <p>No: Registration rights were not assigned by a Court/Regulator.</p>
<i>Court/Regulator Assignment of Rights Date</i>	Date the Court or Regulator Assigned the Registration Rights; Upload a copy of the documentation validating the registration rights.
Owner Contact Information	
<i>Contact Information*</i>	The contact information for the organization or individual that owns the facility.

Operator Tab

Facility Operator Information	
Facility Operator Information *	The contact information of the organization or individual that operates the facility.

Engineering Tab

Interconnection Information	
Generator Classification: Wholesale Generation	Generators that are directly connected to the electric distribution network and sell the generated electricity directly to the wholesale market.
Generator Classification: Wholesale Generation Also serving On-site Loads	Generators that are directly connected to the electric distribution network and sell the generated electricity directly to the wholesale market as well as consume it on-site.
Generator Classification: Customer- Sited Distributed Generation	On-site customer generation also known as Distributed Energy Resources.
Balancing Authority	The responsible entity that integrates resource plans ahead of time, maintains load interchange-generation balance within a balancing authority area, and supports interconnection frequency in real time(e.g: MISO, South Eastern Power Administration, etc).
Balancing Authority ID	Identification code for the Balancing Authority (if applicable).
Interconnected Utility	The owner or operator of an electrical utility distribution system that a Generator asset will be connected to for purposes of charging or discharging energy. The Interconnecting Utility issues the Interconnection Agreement and Certificate of Completion. (e.g: Xcel Energy, Seminole Electric Cooperative Inc, etc).
Interconnected Utility ID	Identification code for the Interconnected Utility (if applicable).

Engineering Tab Continued

Metering Information	
Aggregate Metering*	<p>Yes: Multiple facilities that share the same essential generating characteristics but are metered separately.</p> <p>No: The facilities are metered separately but do not share the same essential generating characteristics.</p>
Aggregate Metering Information	
Aggregate Metering: Yes, selected:	
<p><i>Is this a new group or an addition? :</i></p> <p>Create New Group</p>	<p>Meter ID: Serial Number or Model Number of the Meter</p> <p>Reporting Unit ID: User created identifier.</p> <p>Qualified Reporting Entity: Organization that reports generation data for the aggregate group. (e.g: Self Reporting, QRE, or MISO and SPP).</p>
<p><i>Is this a new group or an addition? :</i></p> <p>Add to an existing group</p>	<p>Meter ID: Serial Number or Model Number of the Meter</p> <p>Reporting Unit ID: User created identifier.</p>
<p><i>Is this a revenue quality meter? *</i></p>	<p>Yes/No</p> <p>Definition: For Generators that are interconnected, a revenue quality meter is any meter used by the reporting control area operator for settlements. The preferred source for the data is a meter data acquisition system. If the control area does not have an electronic source for collecting revenue meter data, then manual meter reads will be accepted.</p>
Meter ID	Serial Number or Model Number of the Meter.

Engineering Tab Continued

<i>Engineering</i>	
<i>Commenced Operation Date*</i>	Commercial Operation marks the start of a project's revenue-generating activity, when electricity generated is fed into the grid. It signifies that construction and commissioning of the facility have concluded with minimal nonessential issues, and that the facility is compliant with relevant grid codes and standards, allowing it to be operated safely and as intended. The COD is the date established on the utility assigned Certificate of Completion (COC) that marks the approved date of operations.
<i>Nameplate Capacity (MW A/C) *</i>	The maximum rated output of a facility expressed in (MW) A/C.
<i>Capacity Factor *</i>	The ratio of the electrical energy produced by a Generating Unit for the period of time considered to the electrical energy that could have been produced at continuous full power operation during the same period.
<i>Maximum Annual Energy</i>	Maximum annual output in MWh of the facility in 365 days.
<i>Biomass Net Generation (BTU/kWh)</i>	Heat rate is one measure of the efficiency of a Generator or power plant that converts a fuel into heat and into electricity. The heat rate is the amount of energy used by an electrical Generator or power plant to generate one kilowatt hour (kWh) of electricity. The U.S. Energy Information Administration (EIA) expresses heat rates in British thermal units (Btu) per net kWh generated.
<i>Repower Date(s)</i>	If a facility is re-powered, the in-service date of the re-powering.

Fuel(s) Tab

<i>New Fuel</i>	
<i>Fuel Type*</i>	The type of fuel or other naturally occurring energy source that the Generating Unit or Generator uses to create electricity.
<i>Fuel Source(s)*</i>	The specific source or origin of the fuel being used at a Generating Unit or Generator. Fuel source will be indicated during Generator registration if the fuel type has more than one potential fuel source and where indication of the fuel source is relevant to eligibility for one or more state or provincial program.
<i>Label(optional)</i>	An optional label that is applied to the fuel type.
<i>Program Eligibility</i>	Datapoint available on the generator registration and applied to all issued certificates that allows certificates to be used in compliance or voluntary programs. Voluntary eligibilities can also be applied to generators (Minnesota Habitat Friendly Solar Standard, Ecologo Certified, etc). Eligibilities may require supporting documentation.

Documents Tab

All documents supporting the generator registration should be uploaded here, including but not limited to:

- Schedule A
- Power Purchase Agreement (PPA)
- Interconnection Agreement (IA)
- Program Eligibility Documentation
- Air Permits
- Regulatory Orders
- FERC or PURPA Qualifying Facility Documentation
- MISO or SPP Data Release
- Design Documentation