

Generator registration static data guide

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Definitions for every static data field collected during a Generator registration on the CleanCounts Electricity Registry. Sections follow the tabs of the registration interface.

REQUIRED FIELDS

Fields marked with an asterisk (*) in the interface are required to complete a registration. They carry the Required marker throughout this guide.

REGISTRATION TABS

01 General

02 Owner

03 Operator

04 Engineering

05 Fuel(s)

06 Documents

1 General

GENERAL INFORMATION

Facility Name Required

Name of the facility.

Unit Name Required

Name of the unit that is being registered as part of the overall facility registration.

Example: Facility Name, Hoover Dam. Unit Name, Hoover Dam Unit 1.

EIA Plant ID Number Required

The EIA Plant ID. Only required for Generators greater than 1 MW in nameplate capacity.

Facility Location Required

Latitude and longitude of the facility.

- 1 Open an online mapping platform, such as Google Maps or Bing Maps.
- 2 Enter an address or location identifying the location of the project.
- 3 Once the project's location is found on the map, right-click on its location and record the latitude and longitude of the facility.

Qualifying Facility?

Yes The facility is a qualifying facility under PURPA Qualifying Facilities.

No The facility is not approved as a qualifying facility.

Qualifying Facility ID

The qualifying facility ID assigned by NERC.

LOCATION

Country Required

Country where the facility is located.

State or Province Required

State or province where the facility is located.

County or Municipality Required

County or municipality where the facility is located.

Facility Photo

A photo of the facility.

REPORTING AND ISSUANCE**Reporting Entity** Required

Organization that reports generation data for the Generator, for example self-reporting, a QRE, or an ISO/RTO.

Reporting Unit ID

ISO/RTO market settlement node (ISO/RTO reporting only) or a user-created identifier.

Issuance Account Required

Active account into which all certificates issued from the facility will be deposited.

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Owner**GENERAL OWNERSHIP INFORMATION****Single Owner Facility?** Required

Yes The facility has one owner.

No The facility is owned by multiple organizations. Input the additional owners.

OWNERSHIP TYPE AND REGISTRATION RIGHTS**Ownership Types** Required

The organization type that owns the Generator, for example independent power producer or irrigation district.

Do you have a PPA?

Yes The facility is being used to fulfill a Power Purchase Agreement (PPA). The PPA contract shall be uploaded under Documents.

No The facility is not being used to fulfill a PPA.

Assignment of Registration Rights

Yes The facility is a single-owner facility, or a Schedule A form is signed by both the owner and the responsible party assigned registration rights.

No Not applicable.

Assignment of Registration Rights Date

Date the Schedule A, Designation of Registration Rights, was signed by the facility owner.

Court / Regulator Assignment of Rights

Yes Registration rights are assigned by a court or regulator.

No Registration rights were not assigned by a court or regulator.

Court / Regulator Assignment of Rights Date

Date the court or regulator assigned the registration rights. A copy of the documentation validating the registration rights must be uploaded.

OWNER CONTACT INFORMATION**Contact Information** Required

The contact information for the organization or individual that owns the facility.

3 Operator

Facility Operator Information Required

The contact information of the organization or individual that operates the facility.

4 Engineering

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.

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 a portion of the electricity behind the interconnection bus bar (excluding any station service or parasitic loads associated with power production).

Customer-sited distributed generation

Generators, often referred to as distributed energy resources, sited on the customer side of a retail utility billing meter (for example a net meter) where generated electricity is intended to serve end-use electricity demand.

Balancing Authority

The regional entity responsible for maintaining the continuous balance between electricity supply and demand within a designated, metered geographic area where the registered facility is interconnected or located. The U.S. Department of Energy's Balancing Authority Lookup Tool (8.58 MB, XLS) may help estimate your facility's Balancing Authority.

Balancing Authority ID

Identification code for the Balancing Authority, if applicable. See Balancing Authority above.

Interconnected Utility

The owner or operator of an electrical utility distribution system that a Generator asset will be interconnected to for purposes of serving electricity demand. The interconnecting utility issues the Interconnection Agreement and Certificate of Completion, for example Xcel Energy or Seminole Electric Cooperative Inc.

Interconnected Utility ID

Identification code for the interconnected utility, if applicable. These ID numbers are often found on the interconnection agreement.

METERING INFORMATION

Aggregate Metering Required

- Yes** Multiple facilities that share the same essential generating characteristics but are metered separately.
- No** The facilities are metered separately but do not share the same essential generating characteristics.

If aggregate metering is Yes

Create a new group, or add to an existing group.

- Create new group: Meter ID, the serial number or model number of each meter. Reporting Unit ID, a user-created identifier. Qualified Reporting Entity, the organization that reports generation data for the aggregate group (self-reporting, QRE, or RTO/ISO).
- Add to an existing group: Meter ID, the serial number or model number of each meter. Reporting Unit ID, a user-created identifier.

Is this a revenue quality meter? Required

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, manual meter reads will be accepted. The expectation is that revenue quality meters meet ANSI C.12.20 for Generators greater than 1 MW in capacity.

Meter ID

Serial number or model number of the meter.

ENGINEERING SPECIFICATIONS**Commenced Operation Date** Required

The Commercial Operation Date (COD) 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.

Nameplate Capacity (MW DC) Required

The maximum rated output of a facility expressed in MW DC (megawatts, direct current).

Nameplate Capacity (MW AC) Required

The maximum rated output of a facility expressed in MW AC (megawatts, alternating current).

Capacity Factor Required

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.

Maximum Annual Energy

Estimated maximum annual output of the facility in MWh over 365 days.

Biomass Net Generation (BTU/kWh)

Heat rate is one measure of the efficiency of a Generator or power plant that converts a fuel into heat and into electricity, the amount of energy used 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.

Repower Date(s)

If a facility is repowered, the in-service date of the repowering. Repowerment status must be substantiated through engineering and other documentation.

5 Fuel(s)**NEW FUEL****Fuel Type** Required

The type of fuel or other naturally occurring energy source that the generating unit or Generator uses to create electricity.

Fuel Source(s) Required

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.

Label Optional

An optional label that is applied to the fuel type.

Program Eligibility

Datapoint available on the Generator registration and applied to all issued certificates, allowing certificates to be used in compliance or voluntary programs. Voluntary eligibilities can also be applied to Generators (Minnesota Habitat Friendly Solar Standard, EcoLogo Certified, and others). Eligibilities may require supporting documentation.

6**Documents**

All documents supporting the Generator registration should be uploaded on the Documents tab, including but not limited to the following.

- Schedule A
- Power Purchase Agreement (PPA)
- Interconnection Agreement (IA)
- Program eligibility documentation
- Air permits
- Regulatory orders
- FERC or PURPA qualifying facility documentation
- RTO/ISO data release forms
- Design documentation

TIP

Break up larger documents into their composite parts to make the upload, and later review, faster.