NYISO Interconnection Process

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Overview

- When to use the NYISO Interconnection Process
- Overview of process steps
- Where to find more information

DER Interconnection Processes

- SIR Process for Distribution (5MW or less)
- Utility Process (Greater than 5MW)
- NYISO Interconnection Process

  Two Requirements:

  1) Apply to participate in a NYISO market(s)
  2) POI must be FERC Jurisdictional

What is a FERC Jurisdictional Point of Interconnection (POI)?

- Any POI that the TO considers to be a part of their transmission system.

OR

- A POI that is connected to a distribution circuit or bus with a generator (past or present) that participated in a NYISO market(s)

NYISO Interconnection Processes

Two main processes:

- Large Generator Interconnection Process (LGIP, >20MW)
  - Feasibility Study (Optional)
  - System Reliability Impact Study (SRIS)
  - Class Year Facilities Study
- Small Generator Interconnection Process (SGIP, <= 20MW)
  - Pre-Application Request (Optional)
  - Feasibility Study (Optional)
  - System Impact Study (SIS)
  - Stand-Alone Facilities Study or Class Year Facilities Study

Feasibility Study (FES)

- Optional for both the SGIP and LGIP applications
- High level review of the projects impact on the system
  - Thermal; Voltage; Short Circuit
- Allows study of multiple POIs
- Good Faith Cost Estimates (+50%/-50%)
  - Connection of the project
  - Any necessary system upgrades

System Impact Study (SIS)

- Only required for the SGIP
- May be waived depending on the results of an FES
- Detailed review of the project's impact on the system
  - Thermal; Voltage; Short Circuit; Stability
- Good Faith Cost Estimates (+50%/-50%) for:
  - Connection of the project
  - Any necessary system upgrades

Stand-Alone Facilities Study

- Only required for the SGIP
- Applicable if SIS determined that remote upgrades from the POI are not necessary
  - If remote upgrades are necessary, the project must participate in the Class Year Facilities Study
- Determines equipment necessary to interconnect the facility to the POI
- Binding Cost Estimates (+30%/-15%)

Class Year Facilities Study

- Required for the LGIP; conditionally required for the SGIP
- Determines cumulative impacts on the system from a group of projects
- Thermal; Voltage; Short Circuit; Stability; Transfer Limits
- Capacity Delivery (Optional)
    - Required for capacity market

Class Year Facilities Study

- Allocates system upgrade costs among projects and the TOs
- Binding Cost Estimates for:
  - Connection of the projects
  - Any necessary system upgrades
  - Any necessary upgrades for capacity deliverability

More information available:

- https://www.nyiso.com/interconnections
- Interconnection Projects Community Portal
  - ❖ Submissions and Uploads
  - ❖ Notifications and Reminders
  - ❖ Status Tracking
- Additional Training
  - https://www.nyiso.com/online-learning
  - NYISO Interconnection Process – Chapters 1 – 5
    - Approximately 2 hrs
    - Detailed process steps
    - Study costs and study durations

Questions?