

Overview of Generation Interconnection Process at PJM and DERRTTF Activities

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Generation Interconnection Process Overview

- Generation resources seeking wholesale market participation must submit an interconnection request to PJM.
 - Capacity Market, Energy Market, etc
- Generation resources seeking participation in retail markets are not required to submit a request to PJM
 - Net metering, load offset, etc

- Two windows to submit requests:
 - April 1 – September 30
 - October 1 – March 31

- Requests submitted within window studied as a batch

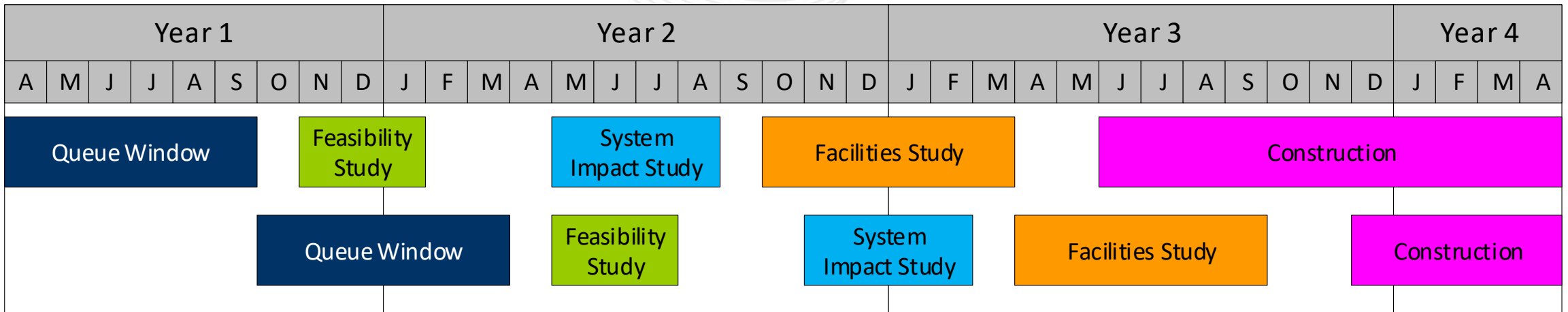
- Multiple applications based on request:

Attachment BB	≤ 10kW inverter based, and energy-only
Attachment Y	≤ 2 MW synchronous, ≤ 5 MW inverter based, and energy-only
Attachment N	Any size generation, energy-only or Capacity Interconnection Rights

Study Phase	Expected Duration	Scope of Study
Feasibility Study	3 months	Interconnection facilities Load flow (summer peak case) Short circuit
System Impact Study	4 months	Interconnection facilities Load flow (summer peak and light load case) Short circuit Stability Reactive capability
Facilities Study	6+ months	Engineering estimates for all required upgrades

Note: Small generation projects (20 MW or less) may be eligible for expedited timing

Agreement	Applicability	Construction Phase
Interconnection Service Agreement (ISA)	Interconnection with the transmission system or a distribution circuit with prior wholesale generation sales	<p>Managed by PJM.</p> <p>Customer will provide security deposit to PJM based on scope of work</p>
Wholesale Market Participation Agreement (WMPA)	Interconnection with a distribution circuit	<p>Managed by local TO</p> <p>Customer will need an interconnection agreement from the local TO.</p>



- PJM Manual 14A: New Service Request Process
- PJM Manual 14G: Generation Interconnection Requests
- PJM Manual 14C: Generation & Transmission Interconnection Facility Construction
- PJM Manual 14D: Generator Operational Requirements
- <https://www.pjm.com/library/manuals.aspx>



DER Ride Through Task Force Activities

- Problem Statement and Issue Charge endorsed by the PJM Planning Committee at the November 2018 Meeting
- Stakeholders have expressed interest in a PJM settings package that can be used in absence of a local utility standard
- Anticipate presenting final solution to the Planning Committee in the Fall.
- Meeting materials posted on the Task Force website:
<https://www.pjm.com/committees-and-groups/task-forces/derrttf.aspx>