



Update on ERCOT Proposals for DER in Planning Models

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ERCOT DER Current Practices

Description	DGR / DESR	SODG	Unregistered DG
Required to Register with ERCOT?	Yes	Yes (>1MW)	No
Size	>1MW	Any	≤1MW
Data in NMMS?	Yes	Yes	No
Inclusion in ERCOT Operations Model	Explicitly Modeled*	Mapped to CIM Load	No
SCED Dispatchable?	Yes	No	No
Resource Telemetry Provided?	Yes	No*	No
Embedded in ERCOT Load Forecast?	No	Yes*	Yes*
ERCOT DER Forecast?	No	No	No*

*May be modified in the future

Modeling Proposal: Background

- NERC System Planning Impacts from Distributed Energy Resources Working Group ([SPIDERWG](#))
- NERC Reliability Guidelines
 - [DER Data Collection for Modeling in Transmission Planning Studies \(Draft\)](#)
 - [Parameterization of the DER A Model](#)
 - [Model Verification of Aggregate DER Models used in Planning Studies \(Forthcoming\)](#)
- [MOD-032-1 SAR](#)
 - Proposed revision to address gaps in data collection for modeling DER
- [AEMO DER Integration](#)

Stakeholder Discussions on DER Proposals

July 2020

- Long-term proposal shared with SSWG

September 2020

- Update on Activities to RPG/PLWG
- Evaluate feedback from SSWG/DWG

August 2020

- Near-term proposal shared with SSWG
- Long-term proposal shared with DWG

October 2020 (Tentative)

- Present updated proposals to RPG/PLWG
- Discuss updates to procedure manuals at SSWG/DWG

Implementation Timeline

- Long-term proposal depends on features included in the Passport Program



- Near-term proposal tentatively planned for implementation in June 2021 SSWG cases
- Some data / functionality needed for the long-term proposal may be available prior to 2024
 - Potential for a mid-term proposal
- Comments or questions can be directed to John.Bernecker@ercot.com

DER-Related Revision Requests

Request Number	Title	Status
NPRR1016	Clarify Requirements for Distribution Generation Resources (DGRs) and Distribution Energy Storage Resources (DESRs)	Approved by Board of Directors (August 2020)
PGRR082	Revise Section 5 and Establish Small Generation Interconnection Process	Pending at ROS
NOGRR212	Related to NPRR1016, Clarify Requirements for Distribution Generation Resources (DGRs) and Distribution Energy Storage Resources (DESRs)	Approved by Board of Directors (August 2020)
RRGRR026	Related to NPRR1016, Clarify Requirements for Distribution Generation Resources (DGRs) and Distribution Energy Storage Resources (DESRs)	Approved by Board of Directors (August 2020)