

Order 2222 Overview & Electric Distribution Company Coordination

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Allows DER aggregations to participate in PJM wholesale markets, where technically capable, taking into account physical and operational characteristics.

- Opt-in provisions applicable to “Small Utilities”

“Distributed energy resource” or “DER” is “any resource located on the distribution system, any subsystem thereof or behind a customer meter.” (114)

“[t]hese resources may include, but are not limited to, electric storage resources, distributed generation, demand response, energy efficiency, thermal storage, and electric vehicles and their supply equipment.” (114)

“DER Aggregator” is “the entity that aggregates one or more DERs for purposes of participation in the capacity, energy and/or ancillary service markets of the RTOs/ISOs.” (118)

1. Allow DER aggregations to **participate directly in RTO/ISO markets**, and establish **DER aggregators as a type of market participant** (130);
2. Allow DER aggregators to register DER aggregations under one or more participation models that **accommodate the physical and operational characteristics of the DER aggregations** (130);
3. Establish a **minimum size requirement** for DER aggregations that does not exceed **100 kW** (171);
4. Establish **locational requirements for DER aggregations** that are as **geographically broad as technically feasible** (204);
5. Address **distribution factors and bidding parameters** for DER aggregations (225);

6. Address **information and data requirements** for DER aggregations (236);
7. Address **metering and telemetry** hardware and software requirements for DER aggregations (262);
8. Address **coordination between the RTO/ISO, the DER aggregator, the distribution utility, and the relevant electric retail regulatory authorities ("RERRA")** (278);
9. Address **modifications to the list of resources** in a DER aggregation (335); and
10. Address **market participation agreements for DER aggregators** via adoption of a standard market participation agreement for DER aggregations (352).

Q4 2020

- Order 2222 education
- Stakeholder input and reaction to the Order
- Review status quo for DER wholesale market participation in PJM

Q2 2021

- Stakeholder feedback on straw proposal
- Recommendations and iteration to PJM proposal

Q1 2021

- Stakeholder feedback and recommendations
- PJM Staff – straw proposal development

Compliance

- Drafting and submission of compliance filing
- Due: July 19, 2021



OCT 2020 NOV DEC JAN FEB MAR APR 2021 MAY JUN JUL

Ensuring the safety and reliability of the transmission and distribution system.

- Utility Review

- Define a distribution utility review process
- Study/interconnection process
- EDC review for DERA participation
 - Will not pose any risk to reliability or operation of the distribution system
 - Has properly interconnected with the utility
 - Will not be providing “double counted” services
 - Is not in a “small utility”, and if so has opt-in.
- Timeline for review process
- Dispute resolution

- Operational Coordination

- Ongoing coordination for data flows
- Dispatch override for reliability

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