

Advanced Energy Management Alliance

presentation

MADRI Meeting: Aggregation of DERs and the Need for Better Data

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Advanced Energy Management Alliance

Empowering consumers through demand response and advanced energy management

We are providers and consumers united to overcome barriers to nationwide use of demand response and advanced energy management. We advocate for and educate on policies that empower and compensate consumers.

Barriers to DR and DER in Markets

- PJM Prohibition on Demand Response injecting power
- Challenges with distribution level interconnection policies

PJM Issues and Process

- PJM conducting stakeholder processes on DERs--key issue BTM resources that have net injections.
- Definition of “net injections” may be discussion point – “net” over what period of time and whether period indicates state or federal jurisdiction.
- PJM will work on Ancillary Services 1st.
- Interconnections added issue—what requirements for relatively small injections?
- Key opportunity is value of DER at distribution level and how to identify value and compensate DER sources
- Good news is that in PJM, DER that does not inject has opportunities via demand response programs

Retail Issues

- Retail interconnection should be valued as a service
- Clarify behind-the-meter DER with some flexibility
- Make metering data accessible to consumers
- Untangle overlapping jurisdictional issues

Consumer Access to Data

- IL directly addressing how consumers share data with third party service providers
- Customers should have the right to use and share their own data
- Data access has been issue with NY REV and nearly every other proceeding.

Solutions

- Create access to full value of DER—recognize and credit value of DER to system in tariffs
- Consider Non-Wires Alternatives:
 - Installing DER—like solar downstream--instead of upgrading substation
 - Adding DER—like batteries—to stabilize local circuits
 - Deploying DER—like microgrids-- to island portions of the system for reliability, avoiding redundancy
- States and utilities should share distribution system management information

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