

Market-Based Demand Response in Surrounding Regions

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- Overview of Market-Based Demand Response in:
 - New York ISO (New York State)
 - PJM RTO (Pennsylvania, New Jersey, Maryland, etc.)
 - ISO-New England (New England states)
 - Midcontinent ISO (Michigan, Minnesota, Illinois, Indiana, etc.)

- Demand Response in New York ISO:
 1. Day-ahead Demand Response Program
 2. ICAP Special Case Resources
 3. Demand Side Ancillary Services

- Day-ahead Demand Response Program allows participants to offer load reductions into the Day-ahead energy market and economic offers are paid the day-ahead zonal price
- Special Case Resources are part of NYISO's Installed Capacity Market
 - Participants receive standby payments in advance for being available to reduce load and energy payments in real-time if activated
 - Unlimited activations

- Demand Side Ancillary Services Program provides participants with the ability to offer load curtailment into the operating reserve and regulation service markets

- Demand Response in PJM:
 - Economic Load Response
 - Emergency Load Response

- Economic Load Response participants respond to PJM energy and reserve prices by reducing consumption and receiving payment
 - Payments based on respective day-ahead or real-time price against a threshold price
- Emergency Load Response program is a commitment to reduce load during supply shortage or emergency operating conditions
 - Participants receive standby payments in advance for being available to reduce load and energy payments in real-time if activated

- Demand Response in ISO-New England:
 1. Day-ahead Demand Response
 2. Real-time Demand Response
 3. Demand Response in Capacity Market

- Demand Response resources participate by submitting demand reduction offers into day-ahead and real-time markets to be compensated at market prices for reducing load
- Demand Response resources can also participate in ISO-New England's Capacity Market
 - Participants receive standby payments in advance for being available to reduce load and energy payments in real-time if activated
 - Unlimited activations

- Demand Response Resources in Midcontinent ISO are capable of supplying energy to the market through load interruption, behind-the-meter generation or controllable load
 - Participants receive standby payments in advance for being available to reduce load and energy payments in real-time if activated
 - Unlimited activations

- Surrounding regions have incorporated electricity market pricing in their Demand Response triggers and compensation
- Use of market pricing increases efficiency and transparency