Fast Response Regulation (RegD) Resources Operational Impact

Issue Source

PJM Performance Compliance is bringing forward this issue due to observed regulation-D over commitment in certain hours and the potential challenges that can cause for operations.

Stakeholder Group Assignment

OC Special Session

Key Work Activities

Regulation Education

1. Regulation Education

    a. History of regulation signal, performance scoring, regulation requirement, PBR updates

    b. KEMA study and RegA/RegD optimization

    c. Technical details on Regulation Signal

Develop Solution Analysis for RegD operational impacts

2. Re-evaluating benefits curve and Reg-D commitment percentages

    a. Current functionality of benefits curve and possibility for re-definition

    b. RegD commitment percentages; self-schedule, MBF

3. Re-evaluating regulation operation signals

    a. Current RegD signal and possible updates to tuning parameters

    b. Bring back historic RegB signal into operations

4. Evaluating Regulation Market Clearing requirements

    a. Look at updates to 700/525MW regulation requirement; options for dynamic or static requirements

5. Evaluating Regulation resource performance requirements

    a. Test performance and qualification requirements; revisit passing criteria (75%) and scoring criteria (equal weight for accuracy, delay, precision)

b. Operation performance; revisit market participation criteria (40%) and scoring criteria (equal weight for accuracy, delay, precision)

Expected Deliverables

1. Analysis of alternatives for solutions to Reg-D saturation

2. Solution proposal

3. Governing document updates to reflect decisions

Expected Overall Duration of Work

5-6 month duration

Decision-Making Method

Tier 1, consensus on a single proposal.