

## 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.