Resource Adequacy Analysis Subcommittee (RAAS) Update

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Planning Committee
November 5, 2015
PJM informed the MRC at its October 22 meeting that the RAAS would re-examine all modeling assumptions for the 2016 Reserve Requirement Study (RRS).

The RAAS will conduct two half-day education sessions in November and December to provide technical background on the RRS.

The RAAS will schedule meetings as needed in the first quarter of 2016 to finalize the RRS assumptions for PC endorsement in April.
• The focus of the RAAS discussion will be on the primary drivers of the IRM/FPR
  – Selection of PJM and World load models
  – Development of capacity models
  – Representation of World area
• RAAS will also consider the potential impact of Capacity Performance (CP) implementation on RRS assumptions
• **IRM/FPR Basics**
  – Rationale for calculating IRM/FPR
  – Software to calculate IRM/FPR
  – Main Inputs
    • Load Model
    • Capacity Model
    • World Region
  – Use of IRM/FPR in the Reliability Pricing Model (RPM)
• **Input #1: Load Model**
  – PJM Load Forecast Model vs. RRS Load Model
  – Load Model Concepts: Magnitude-Ordered Loads, Load Scenarios
  – Load Model Selection Methodology
• **Input #2: Capacity Model**
  – GADS Data
  – Capacity Model Concepts: Outage Rates, Planned Outages, Ambient Derates, Convolution

• **Input #3: World Region**
  – World Member Regions
  – Assumptions used to develop World Region
    • Load Diversity Issues
    • World Reserve Issues
  – Capacity Benefit Margin (CBM)

• **Procedure to Calculate LOLE**

• **Potential Capacity Performance Impact**
RAAS Education Session Dates

- **Session #1**
  - November 24, 2015
  - 1:00 PM – 4:00 PM
  - PJM CTC with WebEx

- **Session #2**
  - December 9, 2015
  - 9:30 AM – 12:30 PM
  - PJM CTC with WebEx