Generation Allocation

EMUSTF
April 8th, 2014
• How is additional Generation Allocated?
• Follow the Balancing Operating Reserve Cost Allocation (BORCA)
• How does generation “fall” into the buckets?
• Take a look at the Reliability Analysis section of BORCA
This BORCA process separates the TOTAL COST (credits) of BORs into eight (8) buckets.
Reliability Analysis – Load and Reserves

- Difference Between Day-Ahead bid load and PJM Forecasted Load Reliability Assessment Commitment (RAC)
- Constraints Identified by Power Flow Studies
  - Other Studies: Voltage, Stability, etc.
  - Reliability Engineers, Outage Analysis and Transmission Operations
Reliability Analysis – Conservative Operations

• Uncertainty in Load Forecast
  – Extreme Weather Hot/Cold

• Uncertainty in Unit Performance
  – Combustion Turbines – Start Failure - Cold weather
  – Prolonged hot or cold weather
  – Gas Availability – Curtailment

• Other Weather Events
  – Hurricanes, Geomagnetic Disturbance