PJM Uplift Reporting

Chris Callaghan
Engineer
Markets Coordination Department
August 25, 2017
Overview

Existing Reports
- Used to identify high uplift days

Detailed Uplift Analysis
- Used to identify causes of high uplift

Potential External Reports
Existing Internal Reports for Uplift Identification

Reports are used to identify high uplift days and trends for further investigation.

Daily Email Notifications

Unit Specific Uplift Reports
PJM conducts internal analyses to identify causal factors of uplift for a given day:

- Load & interchange forecast
- Outages & congestion
- Unit recommendation tools
- Dispatch, Reliability Engineer, & Day-Ahead feedback
Current External Resources: Reactive Example


REACTIVE CREDIT
Current External Resources: Reactive Example

Current External Resources: Reactive Example

- Quarterly posting of Reactive Service Charges causes
  - Light load in CE zone
  - Actual high voltage problems

- Emergency Procedures
  - High System Voltage Actions
Additional External Resources

• **Uplift by Zone:**

• **Historical Load**

• **Emergency Procedures**

• **Quarterly Reactive Posting**
Potential External Report: Uplift by Fuel Type
Potential External Report: Total Uplift by $/MW
Potential External Report: Total Uplift by Zone