



Operations Assessment Task Force 2011 Summer Study Results

PJM Operating Committee
Nancy Huang
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- Case Parameters
- 50/50 Non-Diversified Peak Load Study Results
- BGE/PEPCO Import Capability

- **50/50 Non-diversified Peak Load Case**
 - LAS Forecast: 155,240 MW (ATSI: 13,364MW)
 - Case Load: 155,540 MW
 - RTO Net Interchange: Importing 2,159 MW
- **Actual PJM RTO all-time peak load occurred on August 2, 2006 and was 144,644 MW**
 - On this date, PJM called maximum emergency generation into the operating capacity and issued Load Management Curtailment Steps 1, 2, 3, and 4

- PJM RTO Installed Capacity
 - 179,280 MW

- Discrete Outages
 - 14,284 MW

- Load Management
 - Interruptible Load for Reliability (ILR): 8,827 MW
 - Demand Resources (DR): 975 MW
 - Load management values above are subject to change up to June 1, 2011

- No reliability problems identified
- Off-cost and switching used to control local thermal and voltage violations in some TO zones

Interface	Limit (MW)	Limitation	Margin (MW)
Eastern	6550	Non-convergence I/o Susquehanna-Wescosville-Alburtis 500 kV line	300
Central	3900	Non-convergence I/o Susquehanna-Wescosville-Alburtis 500 kV line	200
Western	6500	Non-convergence I/o Susquehanna-Wescosville-Alburtis 500 kV line	200
Bed-Bla	1900	Non-convergence I/o Hunterstown-Conastone 500kV line and Conastone 500kV Cap bank	100
AP South ¹	4700	Non-convergence I/o Black Oak-Bedington 500 kV line	100
AEP-DOM	3300	Non-convergence I/o Black Oak-Bedington 500 kV line	50
Cleveland ²	1650	Non-convergence I/o Hoytdale-Mansfield 345 kV line	200

- Analysis was performed on the non-diversified peak load case
- In the base case:
 - BGE is importing 2,807 MW
 - PEPCO is importing 2,034 MW
 - BGE\PEPCO base case import total = 4,841 MW
- Performed reactive and thermal analysis to determine total import capability
- The BGE\PEPCO import capability in the study is 5,286 MW, which is 445 MW above the base case import total

Questions?