



MARKET MONITORING ISSUES

Energy Market Committee
February 13, 2002

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Black Start Working Group Issues

- Calculation of black start requirements
 - Transmission owner calculations
 - Generation owner calculations
 - MAAC Criteria
- Estimated cost of black start
 - Generator data received (preliminary)
 - Calculated maximum costs using equal factors
- Transmission tariff black start cost collection?
 - Documentation required
- Review black start operational issues with relevant committees
- Review black start cost data with companies
- Review transmission tariff documentation



Black Start Working Group

Zone	Critical	Critical (MAAC Criteria)
PECO	1763	779
PPL	606	211
GPU-PN	498	498
PSEG	491	491
BGE	370	370
Conectiv-AE	312	312
GPU-ME	266	266
Conectiv-DPL	223	163
GPU-JC	196	196
PEPCO	157	157
APS	140	127
PJM Totals	5022	3570



Estimated Max Black Start Costs

By Zone	BS MW	\$ BS	per BS MW \$/MW-Yr
AE	304	\$962,567	\$3,166
APS	140	\$203,524	\$1,454
BC	370	\$1,037,088	\$2,803
DP	182	\$574,429	\$3,156
JC	226	\$1,689,774	\$7,477
ME	266	\$726,331	\$2,731
PE	1761	\$1,884,333	\$1,070
PEP	157	\$842,793	\$5,368
PL	698	\$3,587,281	\$5,139
PN	295	\$3,568,975	\$12,098
PS	491	\$1,959,451	\$3,991
All	4890	\$17,036,546	\$3,484



Transmission Outage Reporting

- Per FERC's Order, Section 206 filing made January 22, 2002.
- FERC Order in Dockets EL01-122-000 and IN01-7-000 dated December 20, 2001
- PJM filed tariff changes to implement:
 - TORWG changes
 - Changes recommended in PJM Report
 - Additional recommended changes (data requests)



Monthly Fuel Cost Data Reporting

- As announced at the EMC meetings of 7/18/01; 10/3/01; 11/7/01
- Fuel cost data reporting requirement: “eFUELS”
- Fuel cost data monthly
 - Like FERC/EIA 423
 - Fuel costs by plant/unit
- GADS database
 - Card 98U: Unit specific fired fuel cost data
 - Card 98P: Plant specific delivered fuel cost data
 - Card 99: Unit specific fuel volume data
- Authorization: Membership form on pjm.com
- Web based training dates:
 - February 27. 1400-1600
 - March 1. 0900-1100



MMU Data Request Update

- Fuel type specified for each schedule (cost/price)
 - Dual fuel units
 - MUI being modified to require input of fuel type data per drop down menu
- Unit specific cost curves for post 1996 units
- Specify whether cost curves include 10% adder
 - Details of calculation