



Outage Scheduling and Flowgate Additions

PJM-MISO JCM Meeting

July 12, 2013

Carmel, IN



PJM Revenue Inadequacy Breakdown

Facility	Facility Type	Total Revenue Surplus	% of FTR Revenue Inadequacy	Reason For Inadequacy
Readington - Roseland 230kV line	Internal	-\$83.5	29.9%	Susquehanna - Roseland Construction, Super Storm Sandy/Fuel Shortages
15503 Nelson 345KV Line	FlowGate	-\$23.2	8.3%	Transmission Outages/ High external area flow contribution.
Oak Grove-Galesburg 161kN Line	FlowGate	-\$18.9	6.8%	Stage 1A Infeasible facility/ MISO Transmission outages/High External Area flow Contributions
Monticello-East Winamac Line	FlowGate	-\$18.8	6.7%	MISO Transmission Outages
Bridgewater - Middlesex 230kV Line	Internal	-\$17.5	6.3%	Super Storm Sandy
Kenney - Stockton 69kV Line	Internal	-\$17.1	6.1%	PJM Transmission Outage
Beaver Channel - Albany 161kV Line	FlowGate	-\$12.8	4.6%	MISO Transmission Outages
Michigan City - Laporte 138 kV Line	FlowGate	-\$11.8	4.2%	MISO Transmission Outages
Leonia - New Milford 230kV line	Internal	-\$9.1	3.3%	Super Storm Sandy/Fuel Shortages
Crete-St Johns Tap 345kV Line	FlowGate	-\$8.4	3.0%	MISO Transmission Outages
Amos 345KV Transformer	Internal	-\$7.4	2.6%	PJM Transmission Outage
Clover 500KV Transformer	Internal	-\$6.9	2.5%	High external area flow contribution
Total		-\$235.4	84.3%	



Outage and New Flowage Coordination

- PJM believes increased coordination of transmission outages and further advanced notice of new flowgates is necessary
- Advanced notice of new flowgates will allow for inclusion in short-term FTR auctions, as well as coordination that could minimize congestion on those facilities

- PJM proposes that:
 - PJM and MISO agree on the base list of flowgates prior to the beginning of the RTOs' transmission right allocation and auction processes for a given delivery year
 - Initiation of market-to-market on facilities for which redispatch is required due to transmission outages be permitted only if the non-monitoring RTO was notified of the outage according to its internal outage scheduling deadlines
 - Initiation of market-to-market on a new flowgate be permitted only if the non-monitoring RTO was notified of the new flowgate according to its internal outage scheduling deadlines.

Benefits of PJM Proposal

- The PJM proposal does not suggest that either RTO change its outage scheduling policies or procedures
- The PJM proposal merely prevents negative market impacts on the other RTO for short-term outage scheduling
- Further work is needed in order to prevent future negative operational impacts from short-term outage scheduling