

ISO Transmission Facility Outage Reporting Enhancements

ISO Scheduling & Pricing WG
Market Operations
January 28, 2003

Draft--For Discussion Only

Outage Scheduling Review

Need for Improved Outage Scheduling Transparency

- Market Participant requests for improved outage information
- MP concerns related to forced outage return time extensions –Fall 2002
- SOAS Review of Outage Scheduling & Reporting Process
 - SOAS expressed concerns with the posting of additional outage data (Transmission Owner work reasons) on the unsecured NYISO website
 - ISONE, PJM, and the IMO use unsecured ISO websites
- Market need for improved outage information data posting
 - Additional information similar to previous BIC data posting requests

ISO Notification Requirement – No changes

- 5 days - A1 facilities (facilities under ISO control and typically impacting transfer limit capability)
 - 2 days - A2 facilities (all other transmission facilities)
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Outage Notification for Facilities Impacting Transfer Capability

NYISO TRANSFER LIMITATIONS

Tuesday, October 29, 2002 to Sunday, November 24, 2002

Seasonal Limits

CENTRAL EAST 3100MW STABILITY LIMIT/ 2800 VOLTAGE TRANSFER LIMIT
 TOTAL EAST 6500MW
 UPNY CONED 5100MW
 SPRBRK/DUN SOUTH 4700MW
 DYSINGER EAST 2850MW
 WEST CENTRAL 2350MW

The Total Transfer Capabilities (TTCs) indicated in this report represent predicted values of transfer capability between NYISO LBMP zones as limited by either interface stability limits, voltage transfer limits, or individual transmission facility thermal limitations. Only those transmission facility outages that significantly impact NYISO transfer capability are reported. The DAM and HAM values of TTC may differ from the values indicated in this report due to unanticipated NYISO or external control area limitations.

1385	NORWALK HARB	138-NORTHPORT NE	138 KV O/S	ISONE-NYISO	Capital/Hudson Valley-ISONE	1450 MW
	Tue 10/08/02	to Mon 11/11/02	UPDATED	by LI	10/04/02	Impacts Total Transfer Capability 150 MW
	8:00	Continuous 20:00				TTC with All Lines In Service 1600 MW
	Work scheduled by LI					
PA302	BECK B	345-NIAGARA 3	345 KV O/S	IMO-NYISO	IMO South-NYISO	1200 MW
	Mon 10/21/02	to Fri 11/01/02	UPDATED	by PA	10/03/02	Impacts Total Transfer Capability 1200 MW
	6:00	Continuous 16:30				TTC with All Lines In Service 2400 MW
	Work scheduled by PA					
71	DUNWOODIE	345-RAINEY	345 KV O/S	SPR/DUN-SOUTH	Dunwoodie/Sprainbrook-NYC	3800 MW
	Mon 10/21/02	to Wed 11/27/02	EXT FORCE		10/23/02	Impacts Total Transfer Capability 700 MW
	18:23	Continuous 23:59				TTC with All Lines In Service 4500 MW
	Work scheduled by CE					
W79	EASTVIEW 2N	345-SPRAINBROOK	345 KV O/S	UPNY-CONED	Capital/Hudson Valley-Dunwoodie/Sprainbrook	4350 MW
	Sun 10/27/02	to Fri 11/01/02	UPDATED	by CE	10/25/02	Impacts Total Transfer Capability 450 MW
	13:31	Continuous 23:59				TTC with All Lines In Service 4800 MW
	Work scheduled by CE					
W93	BUCHANAN N.	345-EASTVIEW 2N	345 KV O/S	UPNY-CONED	Capital/Hudson Valley-Dunwoodie/Sprainbrook	4350 MW
	Sun 10/27/02	to Fri 11/01/02	UPDATED	by CE	10/25/02	Impacts Total Transfer Capability 450 MW
	13:31	Continuous 23:59				TTC with All Lines In Service 4800 MW
	Work scheduled by CE					
Y94	RAMAPO	345-BUCHANAN N.	345 KV O/S	UPNY-CONED	Capital/Hudson Valley-Dunwoodie/Sprainbrook	4150 MW
	Sun 10/27/02	to Fri 11/01/02	UPDATED	by CE	10/25/02	Impacts Total Transfer Capability 650 MW
	13:31	Continuous 23:59				TTC with All Lines In Service 4800 MW
	Work scheduled by CE					
MA1	MOSES	230-ADIRONDACK	230 KV O/S	MOSES SOUTH	North-Central	1500 MW
	Mon 10/28/02	to Fri 11/01/02				Impacts Total Transfer Capability 900 MW
	7:00	Continuous 15:30				TTC with All Lines In Service 2400 MW
	Work scheduled by PA					

Outage Info Posting Enhancement

Improve Outage Scheduling Transparency

- Extend reporting period of transmission outages > 30 days
- Provide specific info related to maintenance or forced outages
- Provide more MP friendly website format (CSV)

1. Extend Outage Scheduling Report Period up to 6 months days future for Facilities Impacting Transfer Limitations Report

2. Post Transmission Operator reasons for:

- Initial Outage Work Request
- Extension of Outage or Forced Outage Requests
- Emergency Outage Requests (< 5 days notice for A1 facilities)

Outage Info Posting Enhancement

OUTAGE SCHEDULING WORK REASONS FOR FACILITIES AFFECTING TRANSFER CAPABILITY:

- 1. **BREAKER/DISCONNECT MAINTENANCE**
- 2. **FACILITY OIL LEAK**
- 3. **HOT SPOT REPAIR**
- 4. **FACILITY MAINTENANCE –ANNUAL**
- 5. **FACILITY MAINTENANCE – OTHER**
- 6. **EMERGENCY OUTAGE ***
- 7. **FORCED OUTAGE ***

- 8. **LINE TOWER PAINTING**
- 9. **STRUCTURE REPLACEMENT**

- 10. **REPLACE/REPAIR/CLEAN INSULATORS**
- 11. **REPLACE/REPAIR STATIC OR GUIDE WIRE**
- 12. **REPLACE/REPAIR CCVT OR LIGHTNING ARRESTORS**

- 13. **SAFETY CLEARANCE**

- 14. **SWITCH TO RELEASE/RESTORE EQUIPMENT**

- 15. **RELAY TRIP TESTS**
- 16. **RELAY CALIBRATION/CARRIER CHECKS**
- 17. **DIAGNOSTIC TEST – OTHER**

*** WITH IDENTIFICATION OF SPECIFIC CAUSE**

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