

# NERC Ratings Alert System Impact Update

OC Meeting  
May 17, 2011  
Rich Souder

## Outage / Derate Impact Summary

NRITF Facility	Voltage	Type	Duration	Cause Code	System Impact
Hooversville - Tower51	115kV	Outage	11/5/2010 - 11/7/2010	*	none
Hooversville - Tower51	115kV	Derate	12/17/2010 - 1/4/2011	Immediate	none
Homer City - Quemahoning	230kV	Outage	11/5/2010 - 11/7/2010	*	none
Homer City - Quemahoning	230kV	Derate	12/17/2010 - TBD	Immediate	none
Quemahoning - Hooversville	230kV	Outage	11/5/2010 - 11/7/2010	*	none
Quemahoning - Hooversville	230kV	Derate	12/17/2010 - TBD	Immediate	none
Erie West - Wayne	345kV	Outage	11/5/2010 - 12/30/2010	*	Erie West #1 xfmr I/o Erie South - Erie West Erie West #1 xfmr I/o Erie South - Erie West & #3 xfmr
Erie West - Wayne	345kV	Derate	2/8/2011 - TBD	Immediate	none
Wayne - Handsome Lake	345kV	Outage	11/5/2010 - 12/30/2010	*	Erie West #1 xfmr I/o Erie South - Erie West Erie West #1 xfmr I/o Erie South - Erie West & #3 xfmr
Wayne - Handsome Lake	345kV	Derate	2/8/2011 - TBD	Immediate	none
Handsome Lake - Homer City	345kV	Outage	11/5/2010 - 1/28/2011	*	Erie West #1 xfmr I/o Erie South - Erie West Erie West #1 xfmr I/o Erie South - Erie West & #3 xfmr Armstrong - Burma I/o Erie West - Ashtabula - Perry Butler - Karns City I/o Erie West - Ashtabula - Perry
Handsome Lake - Homer City	345kV	Derate	2/11/2011 - TBD	Immediate	none
Susquehanna - Jenkins	230kV	Derate	12/15/2010 - TBD	*	none
Pontiac Midpoint - Blue Mound	345kV	Derate	12/17/2010 - 2/8/2011	Alert	none
Clayburn - Delano	138kV	Derate	1/19/2011 - TBD	*	none

## Outage / Derate Impact Summary

NRITF Facility	Voltage	Type	Duration	Cause Code	System Impact
Kincaid - Lanesville	345kV	Derate	4/5/2011 - TBD	Near term	none
Brighton - Conastone	500kV	Outage	4/25/2011	Emergency	Glenarm - Windy Edge l/o Graceton - Raphael Road
Plymouth Meeting - Whitpain (220-13)	230kV	Outage	5/11/2011 - 5/12/2011	Alert	
Heaton - Warminster	230kV	Outage	5/13/2011	Alert	
Plymouth Meeting - Whitpain (220-13)	230kV	Outage	5/17/2011 - 5/19/2011	Alert	
Plymouth Meeting - Whitpain (220-14)	230kV	Outage	5/24/2011 - 5/26/2011	Alert	
Plymouth Meeting - Whitpain (220-14)	230kV	Outage	6/7/2011 - 6/9/2011	Alert	
Whitpain - Buxmont	230kV	Outage	6/1/2011 - 6/3/2011	Alert	
Pleasant Valley - 12204 line	138kV	Outage	9/12/2011 - 11/18/2011	Alert	
Glidden - 11106 line	138kV	Outage	10/3/2011 - 12/10/2011	Alert	
Pontiac Midpoint - Lanesville	345kV	Outage	10/17/2011 - 12/10/2011	Alert	
Crete - East Frankfort Crete - St. Johns	345kV	Outage	11/14/2011 - 2/17/2012	Alert	
Belvidere - Pleasant Valley Belvidere - Marengo	138kV	Outage	11/21/2011 - 12/9/2011	Alert	
Nelson - Electric Junction	345kV	Outage	1/9/2012 - 4/27/2012	Alert	

- 11 Total Facilities Impacted by Sag
  - through May 1, 2011
- 17 Total Actions Due to Sag
  - 10 derates
  - 7 outages
- Four outages resulted in N-1 system overloads
- 12 additional outages scheduled

- NERC Alert – Near Term language was updated to allow for the staggering of impactful outages or derates.
  - Outages or derates should be submitted to PJM by the first of the month 1-month in advance if possible but no less than 5 business days in advance for inclusion in PJM study processes.