

NERC Alert Impacted Facilities

- 75 outage and derate tickets
- 57 unique impacted facilities
- Active tickets
 - Derate: 4
 - Outage: 1
- Tickets by voltage class
 - 500kV and above 8
 - 345kV 26
 - 230kV 31
 - 138kV and below 10

- Estimated impact on revenue inadequacy for facilities that have been outaged/derated under the NERC Ratings Alert initiative:

– Erie West – Homer City 345	\$5,000,000
– Brighton – Conastone 500	\$ 100,000

- These values are estimates. Revenue inadequacy is a result of several factors. These outages contributed to the congestion in these areas but were not the only factor resulting in revenue inadequacy.

Outage / Derate Impact Summary

NRITF Facility	Voltage	Zone	Type	Duration	Cause Code	System Impact
Hooversville - Tower51	115kV	PN	Outage	11/5/2010 - 11/7/2010	*	none
Homer City - Quemahoning	230kV	PN	Outage	11/5/2010 - 11/7/2010	*	none
Quemahoning - Hooversville	230kV	PN	Outage	11/5/2010 - 11/7/2010	*	none
Erie West - Wayne	345kV	PN	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	PN	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
Handsome Lake - Homer City	345kV	PN	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
Susquehanna - Jenkins	230kV	PL	Derate	12/15/2010 - 1/31/2011	*	none
Hooversville - Tower51	115kV	PN	Derate	12/17/2010 - 1/4/2011	Immediate	none
Homer City - Quemahoning	230kV	PN	Derate	12/17/2010 - 3/2/2011	Immediate	none
Quemahoning - Hooversville	230kV	PN	Derate	12/17/2010 - 3/2/2011	Immediate	none
Pontiac Midpoint - Blue Mound	345kV	CE	Derate	12/17/2010 - 4/1/2011	Alert	none
Clayburn - Delano	138kV	AEP	Derate	1/19/2011 - TBD	*	none
Erie West - Wayne	345kV	PN	Derate	2/8/2011 - 5/17/2011	Immediate	none
Wayne - Handsome Lake	345kV	PN	Derate	2/8/2011 - 2/17/2011	Immediate	none
Handsome Lake - Homer City	345kV	PN	Derate	2/11/2011 - 3/3/2011	Immediate	none
Kincaid - Lanesville	345kV	CE	Derate	4/5/2011 - 6/2/2011	Near term	none
Brighton - Conastone	500kV	BC	Outage	4/25/2011 - 4/26/2011	Emergency	Glenarm - Windy Edge I/o Graceton - Raphael Road

Outage / Derate Impact Summary

NRITF Facility	Voltage	Zone	Type	Duration	Cause Code	System Impact
Kincaid - Lanesville	345kV	CE	Outage	5/2/2011 - 6/2/2011	Alert	none
Plymouth Meeting - Whitpain (220-13)	230kV	PE	Outage	5/11/2011	Alert	none
Heaton - Warminster	230kV	PE	Outage	5/13/2011	Alert	none
Plymouth Meeting - Whitpain (220-13)	230kV	PE	Outage	5/17/2011 - 5/19/2011	Alert	none
Plymouth Meeting - Whitpain (220-14)	230kV	PE	Outage	5/24/2011 - 5/25/2011	Alert	none
Whitpain - Buxmont	230kV	PE	Outage	6/2/2011 - 6/3/2011	Alert	none
Plymouth Meeting - Whitpain (220-14)	230kV	PE	Outage	6/7/2011 - 6/9/2011	Alert	none
Collier - Tidd	345kV	DU	Derate	6/27/2011 - 6/13/2012	Near term	none
Alburtis - Hosensack	500kV	PL	Derate	7/7/2011 - 12/31/2012	Emergency	
Susquehanna - Wescosville	500kV	PL	Derate	7/7/2011 - 12/31/2012	Emergency	
Alburtis - Wescosville	500kV	PL	Derate	7/7/2011 - 12/31/2012	Emergency	
Plymouth Meeting - Whitpain (220-14)	138kV	PE	Outage	8/22/2011 - 8/26/2011	Alert	none
Byberry - Woodbourne	230kV	PE	Outage	8/31/2011 - 9/2/2011	Alert	none
Collier - Tidd	345kV	DU	Outage	9/12/2011 - 9/14/2011	Alert	none
Belvidere - Pleasant Valley Belvidere - Marengo	138kV	CE	Outage	9/12/2011 - 11/8/2011	Alert	
Crescent - Mansfield	345kV	DU	Derate	9/25/2011 - 8/24/2012	Alert	
Whitpain-Whitemarsh- Jenkintown 220-17	230kV	PE	Outage	10/3/2011 - 10/7/2011	Alert	none
East Lima - Fostoria	345kV	AEP	Derate	10/14/2011 - 10/14/2012	Near term	

Outage / Derate Impact Summary

NRITF Facility	Voltage	Zone	Type	Duration	Cause Code	System Impact
Pontiac Midpoint - Lanesville	345kV	CE	Outage	10/17/2011 - 12/10/2011	Alert	
Glidden - 11106 line	138kV	CE	Outage	10/31/2011 - 12/10/2011	Alert	
Plymouth Meeting - Whitemarsh	230kV	PE	Outage	11/6/2011 - 11/9/2011	Alert	
Jenkintown - Tabor	230kV	PE	Outage	11/9/2011 - 11/14/2011	Alert	
Crete - East Frankfort Crete - St. Johns	345kV	CE	Outage	11/14/2011 - 12/9/2011	Alert	
Crescent – Mansfield	345kV	DU	Outage	11/19/2011 – 11/23/2011	Alert	
Jenkintown - Tabor	230kV	PE	Outage	11/27/2011 - 11/30/2011	Alert	
Beaver Valley - Clinton Clinton - Collier	345kV	DU	Outage	11/28/2011 - 11/30/2011	Alert	
Beaver Valley - Clinton Clinton - Collier	345kV	DU	Outage	12/5/2011 - 12/6/2011	Alert	
Wood - 12205 line	138kV	CE	Outage	12/5/2011 - 2/10/2012	Alert	
Martins Creek – Siegfried 2	230kV	PL	Derate	12/30/2011 – TBD	Alert	
Kincaid - 2102	345kV	CE	Outage	1/7/2012 - 2/15/2012	Alert	
Brunot Island - Crescent 331 Crescent - Collier 331 Collier - Brunot Island 304	345kV	DU	Outage	2/6/2012 - 2/17/2012	Alert	
Electric Junction – No Aurora 11106 line	138kV	CE	Outage	2/6/2012 – 4/20/2012	Alert	
Dumont - Wilton	765kV	CE	Outage	2/6/2012 - 4/27/2012	Alert	
Nelson - Electric Junction	345kV	CE	Outage	2/13/2012 - 4/20/2012	Alert	

Outage / Derate Impact Summary

NRITF Facility	Voltage	Zone	Type	Duration	Cause Code	System Impact
Brunot Island - Crescent 331 Crescent - Collier 331 Collier - Brunot Island 304	345kV	DU	Outage	3/12/2012 - 3/19/2012	Alert	
Brunot Island - Crescent 331 Crescent - Collier 331 Collier - Brunot Island 304	345kV	DU	Outage	4/2/2012 - 4/9/2012	Alert	
Wood - 12205 line	138kV	CE	Outage	4/23/2012 - 6/1/2012	Alert	
Racoon - Valley Tap Valey Tap - Beaver Valley Beaver Valley - Crescent Crescent - Mansfield	138kV	DU	Outage	4/30/2012 - 5/6/2012	Alert	
East Frankfort - Up North	345kV	CE	Outage	5/7/2012 - 5/18/2012	Alert	
Cherry Valley - Silver Lake	345kV	CE	Outage	9/10/2012 - 11/30/2012	Alert	
Blue Mound - 2102 Line	345 kV	CE	Outage	11/5/12 - 12/29/12	Alert	
Hollymead Tap - Charlottesville (2054A)	230kV	DOM	Derate	12/31/2012 - TBD	Alert	
Harrisonburg - Harrisonburg DP (2017A)	230kV	DOM	Derate	12/31/2012 - TBD	Alert	
Harrisonburg DP - Endless Caverns (2017B)	230kV	DOM	Derate	12/31/2012 - TBD	Alert	
Aydlett - Shawboro (2073A)	230kV	DOM	Derate	12/31/2012 - TBD	Alert	
Aydlett - Point Harbor (2073B)	230kV	DOM	Derate	12/31/2012 - TBD	Alert	

Outage / Derate Impact Summary

NRITF Facility	Voltage	Zone	Type	Duration	Cause Code	System Impact
Clark – Hunter (2005A)	230kV	DOM	Derate	12/31/2012 – TBD	Alert	
Pender – Clifton (2051A)	230kV	DOM	Derate	12/31/2012 – TBD	Alert	
Penniman – Waller (209C1)	230kV	DOM	Derate	12/31/2012 – 12/31/13	Alert	
Lakeview – Clubhouse (254A)	230kV	DOM	Derate	12/31/2012 – 12/31/13	Alert	
Kingsmill – Penniman (209C2)	230kV	DOM	Derate	12/31/2012 – 12/31/13	Alert	
Yorktown – Kingsmill (209D)	230kV	DOM	Derate	12/31/2012 – 12/31/13	Alert	
Cloverdale – Lexington	500kV	DOM	Derate	12/31/2012 – 12/31/13	Alert	
Lexington – Bath County	500kV	DOM	Derate	12/31/2012 – 12/31/13	Alert	
Septa - Surry	500kV	DOM	Derate	12/31/2012 – 12/31/13	Alert	

Outage / Derate Impact Summary

NRITF Facility	Voltage	Zone	Type	Duration	Cause Code	System Impact
Lightfoot - Lanexa (2113A)	230kV	DOM	Derate	12/31/2012 – TBD	Alert	
Waller – Lightfoot (2113B)	230kV	DOM	Derate	12/31/2012 – TBD	Alert	
Point Harbor – Kitty Hawk (2073C)	230kV	DOM	Derate	12/31/2012 – TBD	Alert	