

Results of Market Transition Deliverability Test - August 2005

Released Publicly March 2006

Deliverability constraints¹ for DNR units in ATC footprint

Branch	Contingency	DNR MW Restricted	Potential fix ²
39345 KENOSH45 138 39362 LAKEVIEW 138 1	36421 ZION ; R 345 38849 PLS PR2 345 1	817.4	Further study needed
38852 BAIN 5 138 39345 KENOSH45 138 1	36421 ZION ; R 345 38849 PLS PR2 345 1	460.4	Further study needed
39362 LAKEVIEW 138 37384 ZION ; 138 1	36421 ZION ; R 345 38849 PLS PR2 345 1	422.1	Further study needed
39283 CONCRD5 138 1 38936 ROCKVALE 138*	Base Case	246.3	Rockdale-Concord-Bark River 345 line
39410 PARIS WE 138 39249 ALBERS-2 138 1	39410 PARIS WE 138 39982 RAYMOND 138 1	167.5	Line uprate (2006)
39371 OC CRK-2 138 1 39368 OK CRK-5 230	39367 OK CRK 345 39382 OC CRK N 100 1	166.4	2nd Oak Creek xfmr (2010)
39371 OC CRK-2 138 1 39368 OK CRK-5 230	39371 OC CRK-2 138 39382 OC CRK N 100 1	165.7	2nd Oak Creek xfmr (2010)
38936 ROCKVALE 138 39293 COONEY 138 1 *	Base Case	157.7	Rockdale-Concord-Bark River 345 line
39410 PARIS WE 138 39249 ALBERS-2 138 1	39480 ST MARTIN 138 39982 RAYMOND 138	134.6	Line uprate (2006)
39368 OK CRK-5 230 39369 OK CRK9 230 1	39367 OK CRK 345 39382 OC CRK N 100 1	72.3	2nd Oak Creek xfmr (2010)
39368 OK CRK-5 230 39369 OK CRK9 230 1	39371 OC CRK-2 138 39382 OC CRK N 100 1	71.6	2nd Oak Creek xfmr (2010)
39371 OC CRK-2 138 1 39368 OK CRK-5 230	38853 RACINE2 345 39367 OK CRK 345 1	51.3	2nd Oak Creek xfmr (2010)
39961 CUSTER 69.0 1 38598 MANRAP 69.0	38602 REVERE 69.0 39649 LAKFRONT69.0 1	47.9	Further study needed
39649 LAKFRONT69.0 1 38602 REVERE 69.0	Base Case	23.6	Further study needed

Deliverability constraints¹ for Non-DNR units in ATC footprint

Branch	Contingency	Non DNR MW Restricted	Potential fix ²
38852 BAIN 5 138 39345 KENOSH45 138 1	36421 ZION ; R 345 38849 PLS PR2 345 1	437.3	Further study needed
38757 ONTONAGO69.0 39893 ONT 138 138 1	38787 VICTORIA69.0 38806 RKLAND 69.0 1	30.3	Further study needed ³
38757 ONTONAGO69.0 39893 ONT 138 138 1	38791 UPP-MASS69.0 38806 RKLAND 69.0 1	29.3	
38787 VICTORIA69.0 1 38757 ONTONAGO69.0	38787 VICTORIA69.0 38806 RKLAND 69.0 1	24.4	
38787 VICTORIA69.0 1 38757 ONTONAGO69.0	38791 UPP-MASS69.0 38806 RKLAND 69.0 1	23.4	
38787 VICTORIA69.0 38806 RKLAND 69.0 1	Base Case	14.2	
38757 ONTONAGO69.0 39893 ONT 138 138 1	38791 UPP-MASS69.0 38805 LAKE MIN69.0 1	14	
38806 RKLAND 69.0 1 38791 UPP-MASS69.0	Base Case	13.3	
38795 WPINE VI69.0 38809 TOLLFREE69.0 1	Base Case	11.3	
38809 TOLLFREE69.0 1 38787 VICTORIA69.0	Base Case	9.2	
38791 UPP-MASS69.0 38805 LAKE MIN69.0 1	38757 ONTONAGO69.0 38787 VICTORIA69.0 1	8.7	
38805 LAKE MIN69.0 1 38740 WINON TI69.0	38757 ONTONAGO69.0 38787 VICTORIA69.0 1	8.1	
38791 UPP-MASS69.0 38805 LAKE MIN69.0 1	38995 MASS 69.0 38997 BRUCE CR69.0 1	4.9	
38787 VICTORIA69.0 1 38757 ONTONAGO69.0	38791 UPP-MASS69.0 38805 LAKE MIN69.0 1	4.3	
38757 ONTONAGO69.0 39893 ONT 138 138 1	38995 MASS 69.0 38997 BRUCE CR69.0 1	4.3	
38805 LAKE MIN69.0 1 38757 ONTONAGO69.0	38995 MASS 69.0 38997 BRUCE CR69.0 1	4.1	
38787 VICTORIA69.0 1 38757 ONTONAGO69.0	38740 WINON TI69.0 38805 LAKE MIN69.0 1	3.8	

1) Regional constraints outside of the ATC footprint are not listed, but may restrict the deliverability of units within the ATC footprint.

2) Potential fixes have not been tested in the deliverability process and may not fully resolve constraints.

3) White Pine TSR completed for 35MW partially resolves these limits, however generating capacity above 35MW is available at the site causing need for further study.

*Future Rockvale T-D is postponed and an updated rating for Concord-Cooney is now available. The next round of deliverability studies will reflect these changes.