

PJM Coordinated Flowgates List

Notes:

1. For those items marked "T" in the column labeled M2M, these flowgates are included in M2M
2. All NERC flowgates in this list have either passed the PJM Coordination test as defined in the Congestion Management Process (Attachment in the PJM-MISO-TVA JRCA) AND/OR PJM M2M test
3. A flowgate with a "X" in the MISO column indicates that the flowgate passed the MISO Coordination test and is thus Reciprocal with PJM
4. The same rule of indicating Reciprocal status with the other Reciprocal entities (MAPP, TVA, SWPP, EKPC, and LGEE) also applies

NERC ID	FLOWGATE_NAME	OWNER	MGR	M2M	PJM	MISO	MAPP	TVA	SWPP	EKPC	LGEE
3	PJM Eastern Interface	PJM	PJM		X						
4	PJM Central Interface	PJM	PJM		X						
5	PJM Western Interface	PJM	PJM		X						
6	Branchburg-Ramapo (5018) 500 kV line	PJM	PJM		X						
7	Hudson-Farragut (B-3402) 345 kV line	PJM	PJM		X						
8	Hudson-Farragut (C-3403) 345 kV line	PJM	PJM		X						
9	Waldwick-South Mahwah (J-3410) 345 kV	PJM	PJM		X						
10	Waldwick-South Mahwah (K-3411) 345 kV	PJM	PJM		X						
11	Linden-Goethals (A-2253) 230 kV line	PJM	PJM		X						
12	Warren-Falconer 115 kV line	PJM	PJM		X						
13	Erie East-South Ripley 230 kV line	PJM	PJM		X						
14	East Towanda-Hillside 230 kV line	PJM	PJM		X						
16	Laurel Lake-Goudey 115 kV	PJM	PJM		X						
17	Homer City-Stolle Road 345 kV line	PJM	PJM		X						
18	Homer City-Watercure Road 345 kV line	PJM	PJM		X						
20	Erie West-Erie South 345 kV line	PJM	PJM		X						
21	Erie West 345/115 kV xfmr I/o Erie West-Erie South 345 kV	PJM	PJM		X						
22	Erie West-Erie South 345 kV I/o Homer City-Stolle Rd 345 kV	PJM	PJM		X						
23	Roseland-Cedar Grove F 230 kV I/o Roseland-Cedar Grove B	PJM	PJM		X						
24	Branchburg-Readington 230 kV line I/o Roseland-Whippany 230	PJM	PJM		X						
25	Erie South-Erie East 230 kV I/o Homer City-Stolle Rd 345 kV	PJM	PJM		X						
50	AP - SOUTH INTERFACE	PJM	PJM		X						
51	AEP-DOM Interface I/o Baker-Broadford 765kV	PJM	PJM		X						
52	AEP-DOM Interface I/o Broadford-Jacksons 765kV	PJM	PJM		X						
53	AEP-DOM Interface I/o Pruntytown-Mt Storm 500kV	PJM	PJM		X	X					
54	AEP-DOM Interface I/o Culloden-Wyoming 765kV	PJM	PJM		X	X			X		
55	AEP-DOM Interface I/o Mt Storm-Valley 500kV	PJM	PJM		X						
56	AEP-DOM Interface I/o Bedington-Black Oak 500kV	PJM	PJM		X	X					
57	AEP-DOM Interface I/o Cloverdale-Jacksons 765kV	PJM	PJM		X	X			X		
58	AEP-DOM Interface I/o Cloverdale 765/345 kV xfmr	PJM	PJM		X	X					
59	AEP-DOM Interface	PJM	PJM		X	X					
60	Black Oak-Bedington 500 kV line I/o Keystone-Juniata 500 kV line	PJM	PJM		X						
61	Black Oak-Bedington 500 kV line I/o Conemaugh-Hunterstown 500 kV line	PJM	PJM		X						

NERC ID	FLOWGATE_NAME	OWNER	MGR	M2M	PJM	MISO	MAPP	TVA	SWPP	EKPC	LGEE
62	Branchburg-Sunnymeade Rd 230 kV I/o Red Oak Combined Cycle	PJM	PJM		X						
63	Branchburg-Sunnymeade Rd 230 kV I/o Branchburg-Readington 230 kV	PJM	PJM		X						
64	Branchburg-Somerville 230 kV I/o Red Oak A and B units	PJM	PJM		X						
65	Branchburg-Somerville 230 kV I/o Branchburg-Readington 230 kV	PJM	PJM		X						
66	Branchburg-Sunnymeade Rd 230 kV	PJM	PJM		X						
67	Branchburg-Somerville 230 kV	PJM	PJM		X						
68	Larrabee-Atlantic 230 kV I/o Atlantic-New Prospect Rd-Smithsburg 230 kV	PJM	PJM		X						
69	Mt. Storm-Doubs 500 kV I/o Black Oak-Bedington 500 kV	PJM	PJM		X						
70	Middlesex-Lake Nelson flo E.Windsor 2 xfmr	PJM	PJM		X						
71	Larrabee-Atlantic 230kV I/o RedOak A and B units	PJM	PJM		X						
73	East Lima - Fostoria Central 345 kV Line	PJM	PJM		X						
100	Kammer #8 xfmr I/o Belmont-Harrison 500	PJM	PJM		X						
101	Kammer #8 xfmr I/o Kammer-South Canton 765 kV line	PJM	PJM		X						
102	Kammer 765/500 kV xfmr I/o Belmont 765/500 kV xfmr	PJM	PJM		X						
111	Sammis-Wylie Ridge 345 kV line I/o Perry-Ashtabula-Erie West	PJM	PJM	T	X	X					
112	Sammis-Wylie Ridge 345 kV line I/o Belmont-Harrison 500 kV	PJM	PJM		X						
113	Sammis-Wylie Ridge 345kV flo BeaverValley-Clinton 345kV	PJM	PJM		X						
114	Sammis-Wylie Ridge 345 kV I/o Tidd-Collier 345 kV	PJM	PJM	T	X	X					
115	Sammis-Wylie Ridge 345 kV I/o Sammis-Star 345 kV	PJM	PJM		X						
116	Sammis-Wylie Ridge 345 I/o Keystone #3 xfmr and Keystone units 1 and 2	PJM	PJM		X						
117	Sammis-Wylie Ridge 345 kV I/o Tidd 345/138 xfmr C+Tidd-Wylie Ridge 345 kV	PJM	PJM		X						
131	Wylie Ridge #5 345/500 kV xfmr I/o Wylie Ridge #7 & #8 xfmrs (CB WK1 Closed)	PJM	PJM		X						
133	Wylie Ridge #6 345/500 kV xfmr I/o Wylie Ridge #7 & #8 xfmrs (CB WK1 Closed)	PJM	PJM		X						
135	Wylie Ridge #7 345/500 kV xfmr I/o Wylie Ridge #5 & #6 xfmrs (CB WK6 Closed)	PJM	PJM		X						
137	Wylie Ridge #8 345/500 kV xfmr I/o Wylie Ridge #5 & #6 xfmrs (CB WK6 Closed)	PJM	PJM		X						
138	Elrama-Mitchell 138 kV I/o Sammis-Beaver Valley 345 kV	PJM	PJM		X						
139	Elrama-Mitchell 138 kV I/o Harrison-Pruntytown 500 kV	PJM	PJM		X						
140	Elrama-Mitchell 138 kV I/o Ft. Martin-Ronco 500 kV	PJM	PJM		X						
141	Elrama-Mitchell 138 kV I/o Sammis-Wylie Ridge 345 kV	PJM	PJM		X						
142	Elrama-Mitchell 138 kV I/o Wylie Ridge-Cabot 500 kV	PJM	PJM		X						
143	Elrama-Mitchell 138 I/o Hatfield-Ronco 500	PJM	PJM		X						
144	Elrama-Mitchell 138kV I/o Tidd-Collier 345kV	PJM	PJM		X						
145	Seneca-Krendale 138 kV I/o Keystone-South Bend 500 kV	PJM	PJM		X						
146	Wylie Ridge 6 500/345kV Xfmr I/o Wylie Ridge-Harrison 500kV Line	PJM	PJM		X						
147	Wylie Ridge 6 500/345 kV I/o Wylie Ridge-Cabot 500 kV	PJM	PJM		X						
148	Wylie Ridge 6 345/500 kV Xfmr I/o Erie West-Ashtabula-Perry 345 kV	PJM	PJM		X						
149	Wylie Ridge 6 345/500 kV Xfmr I/o Belmont-Harrison 500 kV	PJM	PJM		X						
150	Wylie Ridge 7 345/500 kV Xfmr I/o Erie West-Ashtabula-Perry 345 kV	PJM	PJM		X						
151	Wylie Ridge 3 xfmr 345/138 kV I/o Tidd C 345/138 kV xfmr	PJM	PJM		X						
152	Wylie Ridge 7 xfmr 345/500 kV I/o Belmont-Harrison 500 kV	PJM	PJM		X						
153	Wylie Ridge 7 345/500 kV xfmr I/o Kammer-502 Jct 500 kV line + Kammer .200 765/500 kV xfmr	PJM	PJM		X						
200	Tidd-Canton Central 345 kV line I/o Kammer-South Canton 765	PJM	PJM		X						
201	Axton 765/138-kV Tx I/o Jacksons Ferry-Cloverdale 765 kV	PJM	PJM		X						

NERC ID	FLOWGATE_NAME	OWNER	MGR	M2M	PJM	MISO	MAPP	TVA	SWPP	EKPC	LGEE
202	Axton 765/138-kV Tx I/o Jacksons Ferry-Antioch 500 kV	PJM	PJM		X						
203	Axton-Danville 138 kV (1) I/o Jacksons Ferry-Antioch 500 kV	PJM	PJM		X						
204	Olive 345/138 kV I/o Olive-Cook 345 kV	PJM	PJM	T	X	X					
205	Samms-South Canton 345 kV line I/o Tidd-Canton Central 345	PJM	PJM		X						
210	Cook-Benton Harbor 345 kV line I/o Cook-Palisades 345 kV	PJM	PJM		X						
215	Cook-Benton Harbor 345 kV line I/o Twin Branch-Argenta 345 kV	PJM	PJM		X						
220	Dumont 765/345 xfmr_2 (flo) Dumont-Wilton Center 765	PJM	PJM	T	X	X					
230	Breed-Wheatland 345 kV line I/o Rockport-Jefferson 765 kV line	MISO	MISO	T	X	X					
240	Muskingum River-Ohio Central 345 kV line	PJM	PJM		X						
250	Culloden-Wyoming 765 kV line I/o Baker-Broadford 765 kV line	PJM	PJM	T	X	X			X		
251	Baker-Broadford 765 kV I/o Culloden-Wyoming 765 kV	PJM	PJM		X						
280	Clifty Creek Dearborn flo Jefferson-Greentown	OVEC	PJM		X						
282	Kyger Creek - Sporn 345 kV	PJM	PJM	T	X	X	X				
283	Adkins-Beatty 345 kV	PJM	PJM		X						
284	Adkins-Beatty 345 kV I/o Killen-Marquis 345 kV	PJM	PJM		X						
285	Broadford 765/500 kV I/o Broadford-Jacksons Ferry 765 kV	PJM	PJM		X						
310	Person-Halifax 230 (flo) Wake-Carson 500	PJM	PJM		X						
311	Person-Halifax 230kV Line I/o Cloverdale-Lexington 500kV Line and Lexington 3 500/230kV Xfmr	PJM	PJM		X						
499	Loretto-Wilton Center 345 kV I/o Pontiac-Dresden 345 kV + TR82	PJM	PJM	T	X	X					
500	Pontiac-Wilton Ctr 345 (flo) Pontiac-Dresden 345 + Pontiac 345/138 xfmr	PJM	PJM	T	X	X		X			
501	Pontiac-Wilton Center 345 kV I/o Dresden-Electric Jct. 345 kV	PJM	PJM	T	X	X					
502	Wilton Center 345/765 kV TR93 I/o Wilton Center 765/345 kV TR94	PJM	PJM		X						
503	Lee_Byron345_flo_Nelson_ElectricJunction345	PJM	PJM	T	X	X	X		X		
504	Lee-Nelson 345 kV (15501)	PJM	PJM	T	X	X					
505	Cordova-Nelson 345 (flo) Quad Cities-H471 345	PJM	PJM	T	X	X	X		X		
506	Nelson 345/138 xfmr 84 (flo) Nelson 345/138 xfmr 82	PJM	PJM	T	X	X					
507	Nelson 345/138 xfmr 82 (flo) Nelson 345/138 xfmr 84	PJM	PJM	T	X	X					
508	Nelson-Dixon (15507) 138 kV I/o Nelson-Electric Jct 345 kV	PJM	PJM	T	X	X					
509	Marengo Tap-Pleasant Valley 138 kV I/o Nelson-Electric Jct 345 kV	PJM	PJM		X						
510	Marengo Tap-Pleasant Valley (12204-2) 138 kV I/o Cherry Valley-Silver Lake (15616) 345 kV	PJM	PJM	T	X	X					
512	Quad Cities-Cordova 0402 345kV line I/o Quad Cities-H471 0404 345kV	PJM	PJM	T	X	X					
513	Quad Cities-Cordova 0402 345kV I/o 155 Nelson - H471 15504 345kV	PJM	PJM	T	X	X					
514	Cordova-Nelson 345 kV (15503) I/o H471-Nelson 345 kV (15504)	PJM	PJM	T	X	X					
515	H471-Nelson 345 kV (15504) I/o Cordova-Nelson 345 kV (15503)	PJM	PJM		X						
516	Marengo Tap-Pleasant Valley 138kV (12204) I/o Pleasant Prairie-Arcadian 345kV	PJM	PJM		X						
517	Marengo Tap-Pleasant Valley 138kV (12204) I/o Zion-Arcadian	PJM	PJM		X						
518	Cordova-Nelson 15503 line I/o Byron Unit 1	PJM	PJM		X						
519	Dixon-McGirr Rd 138 kV I/o Nelson-Electric Jct 345 kV	PJM	PJM	T	X	X					
520	East Frankfort-Goodings Grove (11601) 345 kV line	PJM	PJM	T	X	X					
521	East Frankfort-Goodings Grove (11602) 345 kV line	PJM	PJM	T	X	X					
522	East Frankfort-Crete 345 kV I/o Dumont-Wilton Center 765 Kv	PJM	PJM	T	X	X					
523	East Frankfort-Crete 345 kV I/o Braidwood-Davis Creek and Davis TR83	PJM	PJM	T	X	X					
524	Quad Cities-Cordova 0402 tie line I/o Quad Cities-Cordova 0403 line	PJM	PJM		X						

NERC ID	FLOWGATE_NAME	OWNER	MGR	M2M	PJM	MISO	MAPP	TVA	SWPP	EKPC	LGEE
525	Quad Cities-Cordova 0403 line I/o Cordova Bus tie	PJM	PJM		X						
531	Arcadian-Zion 345 kV line I/o Pleasant Prairie-Zion 345 kV line	MISO	MISO	T	X	X					
532	Lakeview-Zion 138 kV line I/o Pleasant Prairie-Zion 345 kV line	MISO	MISO	T	X	X					
533	Zion-Lakeview 138kV I/o Zion-Pleasant Prairie 345kV	MISO	MISO	T	X	X	X				
534	Zion-Lakeview 138kV I/o Zion-Arcadian 345kV	MISO	MISO	T	X	X					
535	Lakeview-Zion 138kV I/o Zion-Arcadian 345kV	MISO	MISO	T	X	X					
536	Waukegan-Zion 138kV I/o Zion-Arcadian 345kV	PJM	PJM	T	X	X					
537	Zion-Waukegan 138kV I/o Zion-Arcadian 345kV	PJM	PJM		X						
540	Powerton Jct-Powerton 138 I/o Havana-Canton-Monmouth 138	PJM	PJM	T	X	X					
542	12 Dresden - 900 Elwood 1222 345 kV line I/o 80 Pontiac - 93 Loretto 8012 345 kV line	PJM	PJM		X						
543	12 Dresden - 900 Elwood 1222 345 kV line I/o 93 Loretto - 112 Wilton Center 11212 345 kV line	PJM	PJM		X						
545	Garden Plains-H71 138 I/o Cordova-Nelson 345_B	PJM	PJM		X						
546	Waukegan-Zion 1609 138kV flo Zion-PleasantPrairie 2221 345kV line	PJM	PJM	T	X	X					
547	Zion-Waukegan 138kV I/o Zion-Pleasant Prairie 345kV	PJM	PJM	T	X	X					
548	Dresden 345/138 kV TR83 I/o Dresden-Elwood 1222 345 kV line	PJM	PJM		X						
549	Dresden-Elwood 1222 345 kV I/o Dresden-Electric 1223 345 kV	PJM	PJM	T	X	X					
552	Cherry Valley-Silver Lake (15616) 345 kV line	PJM	PJM	T	X	X					
553	Cherry-Glidden 138 kV (15627) I/o Cherry Valley-Silver Lake 345 kV (15616)	PJM	PJM		X						
554	112 Wilton Center TR93 345/765 kV xfmr I/o 112 Wilton Center-23 Collins 765 kV	PJM	PJM	T	X	X					
555	E. Frankfort-Crete 345 I/o Wilton Center-Collins 765+Wilton Center TR93	PJM	PJM	T	X	X					
556	StLine_Roxanna138 flo WiltonCenter_Dumont765	MISO	MISO	T	X	X					
557	East Frankfort-Crete 345 kV I/o E. Franfort - U. Park North 345 kV	PJM	PJM	T	X	X					
558	Cordova-Nelson 345 kV	PJM	PJM		X						
560	12205-151 Woodstock 138 kV I/o Cherry Valley-Silver Lake 345 kV	PJM	PJM		X						
562	Wilton Center TR94 765/345 kV	PJM	PJM	T	X	X					
563	Wilton Center TR93 765/345 kV	PJM	PJM	T	X	X					
564	Plano-Electric Jct 16703 345 kV I/o Plano-Electric Jct 16704 345 kV	PJM	PJM		X						
565	Cherry Valley-Silver Lake 345 kV I/o Wempleton-Rockdale 345 kV	PJM	PJM	T	X	X					
566	Wempleton TR84 I/o Byron-Wempleton 345 kV line	PJM	PJM		X						
567	Cherry Valley TR82 I/o Byron-Wempleton 345 kV line	PJM	PJM		X						
600	Collier-Elwyn 138kV I/o Elrama 138/69kV xfmr	PJM	PJM		X						
601	Beaver Valley-Clinton 345kV I/o Crescent-Collier 345kV + Crescent 2 xfmr	PJM	PJM		X						
602	Clinton-Collier 345kV I/o Crescent-Collier 345kV + Crescent 2 xfmr	PJM	PJM		X						
603	Crescent-Collier 345kV I/o Beaver Valley-Clinton 345kV	PJM	PJM		X						
606	Beaver Valley-Sammis 345kV L/O Hoytdale-Mansfield 345kV	PJM	PJM		X						
997	CE-AEPNIPS Interface	PJM	PJM		X						
998	AEPFENIPS-MECS Interface	PJM	PJM		X						
999	AEPFE-PJM Interface	PJM	PJM		X						
1023	Volunteer-PhippsBend 500 kV (flo) Jefferson-Rockport 765 kV	TVA	TVA		X	X		X	X	X	
1024	Volunteer-PhippsBend 500 kV (flo) Conasauga-Mosteller 500 kV	TVA	TVA		X	X		X	X	X	
1025	Trimble Co.-Clifty Creek 345-Rockport-Jefferson 765	TVA	TVA		X	X		X			
1150	Nagel(PJM)-Cane River(CPLW) 230kV	PJM	PJM		X						
1203	Antioch-Jacksons Ferry 500kV PJM-DK Tie	PJM	PJM		X						

NERC ID	FLOWGATE_NAME	OWNER	MGR	M2M	PJM	MISO	MAPP	TVA	SWPP	EKPC	LGEE
1205	Oconee-South Hall 500 kV I/o Conasauga-Mosteller 500 kV	DUK	PJM		X						
1501	Conasaga - Sequoyah 500	TVA	TVA		X			X			
1510	Norcross-South Hall 500 kV	N_SE	PJM		X						
1613	Volunteer - Phipps Bend 500	TVA	TVA		X	X		X	X	X	
1631	Pineville(LGE)-Pineville (TVA) 161kV (flo) Phipps Bend - Pocket 500kV	TVA	TVA		X			X			X
1634	Volunteer-Bull Run&WBN-Volunteer	TVA	TVA		X	X		X	X	X	X
1643	Volunteer500/161 FLO VolunteerPhippsBend 500	TVA	TVA		X			X			
1644	Bull Run - Volunteer 500kV	TVA	TVA		X	X		X		X	
1701	Pruntytown-Mt. Storm 500-kV line	PJM	PJM		X						
1702	Morrisville-Loudoun 500 kV line	PJM	PJM		X						
1704	Person-Halifax 230 kV line	PJM	PJM		X						
1706	Cloverdale-Lexington 500 kV	PJM	PJM		X						
1707	Wake-Carson 500 kV	PJM	PJM		X						
1708	Halifax-Person 230 kV I/o Carson-Wake 500 kV	PJM	PJM		X						
1709	Clover-Halifax 230 kV I/o Clover-Carson 500 kV	PJM	PJM		X						
1710	Chesterfield-Tyler 230 kV I/o Carson-Midlothian 500 kV	PJM	PJM		X						
1713	Dickerson-Pleasant View 230 kV I/o Possum Pt.-Burches Hill 500 kV	PJM	PJM		X						
1714	Everetts-Greenville 230 kV I/o Wake-Carson 500 kV	PJM	PJM		X						
1715	Balcony Falls-Skimmer 115 kV I/o Cloverdale-Lexington 500 kV	PJM	PJM		X						
1717	Fredricksburg-Possum Pt. 230 kV/Ladysmith-Possum Pt. 500 kV	PJM	PJM		X						
1718	Chuckatuk-Kings Fork 230 kV/Fentress-Shawboro 230 kV	PJM	PJM		X						
1719	Mt. Storm-Doubs 500/Mt. Storm-Meadow Brook 500	PJM	PJM		X						
1720	Loudoun 500-230 kV Tx #1/Loudoun 500-230 kV Tx #2	PJM	PJM		X						
1721	Loudoun 500-230 kV Tx #2/Loudoun 500-230 kV Tx #1	PJM	PJM		X						
1722	Clover 230-500 Trans./Wake-Carson 500	PJM	PJM		X						
2000	Clifty Creek-Dearborn 1 345 kV I/o Hanging Rock-Jefferson 765 kV	OVEC	PJM		X						
2004	Marysville 765/345-kV TX	PJM	PJM		X						
2005	Marysville-East Lima 345 kV I/o Marysville-SW Lima 345 kV	PJM	PJM	T	X	X					
2006	South Canton 765/345-kV transformer	PJM	PJM		X						
2012	Twin Branch-Argenta 345 kV	PJM	PJM		X						
2031	Dequine-Westwood 345 flo Cayuga-Veedersburg 230	PJM	PJM		X						
2032	Cayuga-Eugene 345 (flo) Cayuga-Nucor 345	PJM	PJM		X	X					
2034	Greentown 765/230/138 Xfm flo Greentown-Dumont 765	MISO	MISO	T	X	X					
2035	Greentown 765 kV (AEP) & Greentown 138 kV (CIN) Xfmr Bank 1	PJM	PJM		X						
2040	Stuart-Hillcrest 345 kV	PJM	PJM		X						
2041	Foster-Sugar Creek 345	PJM	PJM		X						
2046	Petersburg-Lost River 345 flo Gibson-Bedford 345	MISO	MISO	T	X	X					
2047	Gibson-Petersburg 345 flo Gibson-Bedford 345	MISO	MISO	T	X	X					
2050	Speed-Trimble 345	PJM	PJM		X						
2055	Pierce-Foster 345 flo Stuart-Foster 345	PJM	PJM	T	X	X				X	X
2057	Miami Fort-West Milton 345 flo Foster-Sugarcreek 345	PJM	PJM		X						
2062	085PTBK1 138 16FVE_T 138 1	MISO	MISO	T	X	X					
2063	Whitestown-Guion 345 (flo) Whitestown-Hortonville 345	MISO	MISO	T	X	X					

NERC ID	FLOWGATE_NAME	OWNER	MGR	M2M	PJM	MISO	MAPP	TVA	SWPP	EKPC	LGEE
2069	Buffington-Dearborn 345 kV	OVEC	PJM		X						
2070	Buffington-Pierce 345 kV	OVEC	PJM		X						
2072	New London-Webster 230 flo Jefferson-Greentown 765	MISO	MISO	T	X	X					
2073	Foster-Sugar Creek 345 (flo) Stuart-Clinton 345	PJM	PJM		X						
2074	Stuart-Clinton 345 kV	PJM	PJM		X						
2089	Clifty Creek-Trimble County 345	OVEC	PJM		X						
2103	16PETE 345 16THOMPS 345 1	MISO	MISO	T	X	X					
2131	Sammis-Wylie Ridge 345	PJM	PJM	T	X	X					
2132	Krendale-Seneca 138 kV I/o Cabot-Wylie Ridge 500 kV	PJM	PJM		X						
2134	Wylie Ridge-Tidd 345 kV line	PJM	PJM		X						
2137	Mitchell-Elrama 138 kV	PJM	PJM		X						
2141	Sammis-Beaver Valley 345 kV	PJM	PJM		X						
2142	Seneca-Krendale 138 kV I/o Hatfield-Yukon 500 kV	PJM	PJM		X						
2143	Seneca-Krendale 138 kV I/o Ft Martin-Ronco 500 kV	PJM	PJM		X						
2150	Doubs-Pleasant View 500 kV	PJM	PJM		X						
2151	Mt. Storm-Doubs 500	PJM	PJM		X						
2152	Meadow Brook-Morrisville 500 kV I/o Mt Storm-Meadow Brook 500 kV	PJM	PJM		X						
2153	Mt. Storm-Greenland Gap 500	PJM	PJM		X						
2184	Bay Shore-Monroe 345 flo Lemoyne-Majestic 345	MISO	MISO	T	X	X					
2185	Lemoyne-Majestic 345 kV I/o Bay Shore-Monroe 345 kV	PJM	PJM		X						
2188	W. Lexington-Brown N 345	LGEE	TVA		X	X		X		X	X
2192	Pineville 500/345 Tr. 138	PJM	PJM		X						
2197	Kyger-Sporn 345 kV I/o Amos 765/345 kV xfmr	PJM	PJM	T	X	X					
2199	Ghent-W.Lexington 345kV-Baker-Broadford	LGEE	TVA		X	X		X		X	X
2202	Kyger-Sporn345 for Baker-Broadford 765	PJM	PJM		X						
2209	W.Lex-E.W.Brown345 (flo) Baker-Broadford765	LGEE	TVA		X	X		X		X	X
2221	Munster-Burnham 345 flo Olive-E. Fra 345	PJM	PJM		X						
2223	Dumont-Stillwell 345 flo Olive-Green Acre 345	PJM	PJM		X						
2224	Reynolds 345/138 Tr flo Dequine-Westwood 345	MISO	MISO		X	X					
2236	ALLEN-LULU 345 flo BAY SHORE-MONROE 345	MISO	MISO	T	X	X					
2239	Lemoyne-Fostoria 345 kV I/o Bay Shore-Fostoria 345 kV	PJM	PJM		X						
2241	MONROE-BAY SHORE 345 FLO LULU-ALLEN 345	MISO	MISO	T	X	X					
2242	Bay Shore 345/138 kV I/o Lulu 3-Terminal Line 3	PJM	PJM		X						
2246	Bay Shore-Monroe 345 flo Lemoyne-Davis Besse 345	PJM	PJM		X						
2248	Davis Besse-Beaver 345 flo Kammer-S Canton 765	PJM	PJM		X						
2250	Hoyt-Maple 138 kV I/o Sammis-Wylie Ridge 345 kV	PJM	PJM		X						
2251	Hoytdale-Maple 138 kV I/o Cabot-Wylie Ridge 500 kV	PJM	PJM		X						
2256	Mansfd-Highland 345 flo Mansfd-Hoytdl 345	PJM	PJM		X						
2257	Mansfd-Bvrval 345 #2 flo Mansfd-Crescent 345	PJM	PJM		X						
2259	Sammis-Wylier 345 flo Kam-Har-FtM 3-Term line 500	PJM	PJM	T	X	X					
2260	Wylie Ridge-Sammis 345 flo Kammer-S Canton 765	PJM	PJM		X						
2261	Sammis-Wylier 345 flo Sammis-S Canton 345	PJM	PJM	T	X	X					
2262	Sammis-Highland 345 flo Sammis-Bvrval 345	PJM	PJM		X						

NERC ID	FLOWGATE_NAME	OWNER	MGR	M2M	PJM	MISO	MAPP	TVA	SWPP	EKPC	LGEE
2263	Sammis-Star 345 flo S Canton-Star 345	PJM	PJM		X						
2264	Star-Carlil 345 flo Avon-Juniper 345	PJM	PJM		X						
2270	Perry-Ashtabula 345 (flo) Wylie Ridge-Cabot 500	PJM	PJM		X						
2271	Wheatland-Breed 345 (flo) Rockport-Sullivan 765	MISO	MISO	T	X	X					
2272	Batesville 345/138 Xfmr 3 (flo) Ghent-W. Lexington 345	MISO	MISO	T	X	X				X	
2276	Star-North Medina 345 flo Star-Juniper 345	PJM	PJM		X						
2278	Avon-Beaver 345 #1 flo Avon-Beaver 345 #2	PJM	PJM	T	X	X					
2280	Bay Shore-Fostoria 345 flo Lemoyne-Fostoria 345	PJM	PJM	T	X	X					
2282	Beaver-Davis Besse 345 flo Galion-Fostoria 345	PJM	PJM	T	X	X					
2286	Burnham-Munster 345 flo Dumont-Wilton Center 765	PJM	PJM	T	X	X					
2287	Burnham-Munster 345 flo Dumont-Wilton Center 765 + Op Guide	PJM	PJM		X						
2288	Burnham-Sheffield 345 flo Dumont-Wilton Center 765	PJM	PJM	T	X	X					
2289	Beaver Valley-Hanna 345 flo Mansfield-Chamberlin 345	PJM	PJM		X						
2290	Beaver Valley-Sammis 345 flo Beaver Valley-Hanna 345	PJM	PJM		X						
2292	Chamberlin-Harding 345 flo Star-Juniper 345	PJM	PJM		X						
2293	Gallagher - Paddys West 138 (flo) Speed - Northside 138	MISO	MISO	T	X	X				X	
2296	Munster-Burnham 345 flo University Park North-E. Frankfort 345	PJM	PJM		X						
2298	NewCarlisle_TrailCreek138_flo_UPNorth_EFfort345	MISO	MISO	T	X	X					
2299	Dumont-Stillwell 345 flo Dumont-Wilton Center 765	PJM	PJM	T	X	X			X		
2301	Black Oak-Bedington 500 kV	PJM	PJM		X						
2303	Hatfield-Black Oak 500 kV	PJM	PJM		X						
2304	Hatfield-Yukon 500 kV	PJM	PJM		X						
2305	Wylie Ridge-Cabot 500 kV	PJM	PJM		X						
2309	Collier-Elwyn 138 kV	PJM	PJM		X						
2310	Crescent-North 138 kV	PJM	PJM		X						
2311	Crescent-Mt. Nebo 138 kV	PJM	PJM		X						
2314	Davis Besse-Bayshore 345 kV I/o Davis Besse-Lemoyne 345 kV	PJM	PJM	T	X	X					
2315	Davis Besse-Lemoyne 345 kV I/o Davis Besse-Bayshore 345 kV	PJM	PJM	T	X	X					
2316	Allen 345/138 kV Monroe-Bay Shore 345 kV	PJM	PJM	T	X	X					
2330	Broadford-Jacksons Ferry 765 kV	PJM	PJM		X						
2331	Baker-Broadford 765 kV	PJM	PJM		X						
2332	Jacksons Ferry-Cloverdale 765 kV	PJM	PJM		X						
2333	Kammer-Belmont 765 kV	PJM	PJM		X						
2334	Belmont-Mountaineer 765 kV	PJM	PJM		X						
2336	BentnHrbr-Palisades345/Cook-Palisades345	MISO	MISO	T	X	X					
2337	Cook-Palisades345/BentnHrbr-Palisades345	MISO	MISO	T	X	X					
2338	Cook-Palisades345/TwinBranch-Argenta345	MISO	MISO	T	X	X					
2339	BentnHrbr-Palisades345/TwinBranch-Argenta345	MISO	MISO	T	X	X					
2341	Twin Branch-Argenta 345 (flo) Robison Park-Argenta 345	PJM	PJM	T	X	X					
2349	Twin Branch-Argenta 345 kV I/o Cook-Palisades and Cook-Benton Harbor 345 kV	PJM	PJM	T	X	X					
2350	Belmont 500/765 xfmr I/o Kammer 500/765 xfmr	PJM	PJM		X						
2351	KAMMER500/765TX-BELMNT500/765TX	PJM	PJM		X						
2352	Pruntytown-Mt. Storm 500 kV I/o Black Oak-Bedington 500 kV	PJM	PJM		X						

NERC ID	FLOWGATE_NAME	OWNER	MGR	M2M	PJM	MISO	MAPP	TVA	SWPP	EKPC	LGEE
2353	Black Oak-Bedington 500 kV I/o Pruntytown-Mt. Storm 500 kV	PJM	PJM		X						
2356	Pruntytown-Mt. Storm 500 kV I/o Hatfield-Black Oak 500 kV	PJM	PJM		X						
2359	Doubs 500/230-kV TX1 I/o Doubs-Brighton 500 kV	PJM	PJM		X						
2360	Aqueduct-Dickerson H 230 kV I/o Doubs-Dickerson H 230 kV	PJM	PJM		X						
2362	Black Oak-Bedington 500 kV I/o Mt. Storm-Doubs 500 kV	PJM	PJM		X						
2363	Mt. Storm - Greenland Gap 500 kV I/o Mt. Storm - Doubs 500 kV	PJM	PJM		X						
2365	FT MARTN-PRNTY500/HARRSN-PRUNTY500	PJM	PJM		X						
2366	Mitchell-Elrama 138 I/o Sammis-Wylie Ridge 345	PJM	PJM		X						
2367	Mitchell-Elrama 138 I/o Wylie Ridge-Cabot 500	PJM	PJM		X						
2368	Sammis-Wylie Ridge 345 kV I/o Kammer 765/345-kV TX	PJM	PJM		X						
2369	Tidd-Wylie Ridge 345 kV line I/o Kammer 765/500 kV xfmr	PJM	PJM		X						
2370	Bedington-Doubs 500 I/o Pruntytown-Mt. Storm 500	PJM	PJM		X						
2376	Pruntytown-Mt. Storm 500 kV I/o Bedington-Doubs 500 kV	PJM	PJM		X						
2377	Darwin - Eugene 345 kV line flo Jefferson - Rockport 765 kV	PJM	PJM	T	X	X					
2378	Breed-Darwin 345 kV I/o Jefferson-Rockport 765 kV	PJM	PJM	T	X	X					
2379	Cook 765/345kV TR-4 I/o Cook-Olive 345 kV	PJM	PJM		X						
2380	Kammer .100 345/138kV xfmr I/o Tidd-WestBellair-Kammer 345kV	PJM	PJM		X						
2381	Twin Branch-Argenta 345 kV I/o Benton Harbor-Palisades 345 kV	PJM	PJM	T	X	X					
2382	Twin Branch-Argenta 345 kV I/o Palisades-Roosevelt 345 kV	PJM	PJM		X						
2383	Pruntytown-Mt. Storm 500 kV I/o Hatfield-Black Oak 500 kV + Black Oak 500/138 kV TR3	PJM	PJM		X						
2400	Dumont 765/345 kV xfmr_1 I/o Cook 765/345 kV xfmr	PJM	PJM	T	X	X					
2401	Dumont 765/345 kV xfmr_1 I/o Dumont-Wilton Center 765 kV	PJM	PJM	T	X	X					
2402	COOK765-345TX-DUMONT765-345TX	PJM	PJM		X						
2403	Kanawha-Matt Funk 345 I/o Baker-Broadford 765 kV	PJM	PJM		X						
2404	Kanawha-Matt Funk 345 I/o Broadford-Jacksons Ferry 765	PJM	PJM		X						
2405	Kammer-West Belair 345 kV I/o Kammer-South Canton 765 kV	PJM	PJM		X						
2406	Cloverdale-Lexington 500 kV I/o Pruntytown-Mt. Storm 500 kV	PJM	PJM		X						
2407	Cloverdale-Lexington 500 kV I/o Mt. Storm-Valley 500 kV	PJM	PJM		X						
2408	Kanawha-Matt Funk 345 kV I/o Pruntytown-Mt. Storm 500 kV	PJM	PJM		X						
2409	Kanawha-Matt Funk 345 kV I/o Culloden-Wyoming 765 kV	PJM	PJM		X						
2410	Kanawha-Matt Funk 345 kV I/o Mt. Storm-Valley 500 kV	PJM	PJM		X						
2412	Waterford-Muskingum 345 kv / Mountaineer-Belmont 765 kv	PJM	PJM	T	X	X					X
2413	S. Canton 765/345 kv Xfmr / Tidd-Canton Central 345 kv	PJM	PJM		X						
2414	S. Canton 765/345 kv Xfmr / Marysvl 765/345 kV Xfmr	PJM	PJM		X						
2415	S. Canton 765/345 kV Xfmr / Kammer 765/500 kV Xfmr	PJM	PJM		X						
2416	Muskingum River-Ohio Central 345 kV / E Lima-Fostoria 345 kV	PJM	PJM		X						
2417	Jacksons Ferry-Antioch 500 kV I/o Broadford-Sullivan 500 kV	PJM	PJM	T	X	X					X
2419	Danville-E. Danville 138 kV I/o Jacksons Ferry-Antioch 500 kV	PJM	PJM		X						
2425	Conesville-Conesville Prep 138 kV I/o Conesville-Corridor 345 kV	PJM	PJM		X						
2426	Conesville-Conesville Prep 138 kV I/o Bixby-Conesville 345 kV	PJM	PJM		X						
2427	Michigan City-Laporte 138kV (flo) Wilton Center 765kV	MISO	MISO	T	X	X					
2428	Crete - St John 345 flo Burnham - Munster 345	PJM	PJM	T	X	X					
2429	Crete - St John 345 kV I/o Burnham - Sheffield 345 kV	PJM	PJM	T	X	X					

NERC ID	FLOWGATE_NAME	OWNER	MGR	M2M	PJM	MISO	MAPP	TVA	SWPP	EKPC	LGEE
2430	Crete-St John 345 kV I/o Burnham-Munster 345 kV + Wilton Center-Dumont 765 kV	PJM	PJM	T	X	X					
2431	Crete-St John 345 kV I/o Burnham-Sheffield 345 kV + Wilton Center-Dumont 765 kV	PJM	PJM	T	X	X					
2432	Crete-St Johns 345 I/o Wltn Ctr TR94+Dmnt-Wltn Ctr+ClIns-Wltn Ctr+Brnhm-Mnstr 345	PJM	PJM	T	X	X					
2433	Danville-East Danville 138kV I/o Cloverdale-Lexington 500kV + Lexington 500/230kV TX3	PJM	PJM		X						
2454	Sugar Creek-Cayuga CT 345 flo Wheatland-Amo 345	MISO	MISO	T	X	X					
2457	Cayuga 345/230 XFMR 9 (flo) Cayuga 345/230 XFMR 10	MISO	MISO	T	X	X					
2464	Frankfort-New London 230 flo Veedersburg-Cayuga 230	MISO	MISO	T	X	X					
2467	Reynolds 345/138 TR	PJM	PJM		X						
2470	Ashtabula-Erie West 345 (flo) Sammis-Wylie Ridge 345	PJM	PJM		X						
2471	Avon-Beaver #2 345 (flo) Avon-Beaver #1 345	PJM	PJM	T	X	X					
2476	Mansfield-Chamberlin 345 (flo) Beaver Valley-Hanna 345	PJM	PJM		X						
2477	Perry-Ashtabula 345 kV I/o Eastlake 345/138 kV 61	PJM	PJM		X						
2478	Ashtabula-Erie West 345(flo) Mansfield-Chamberlin 345	PJM	PJM		X						
2497	State Line-Wolf Lake 138	MISO	MISO	T	X	X					
2504	Hanna-Juniper 345 (flo) Mansfield-Chamberlin 345	PJM	PJM		X						
2505	Perry-Ashtabula 345 (flo) Sammis-W.Ridge 345	PJM	PJM		X						
2513	Monroe-Bay Shore 345KV	PJM	PJM	T	X	X					
2515	Burnham-Sheffield 345	PJM	PJM		X						
2516	Burnham-Munster 345	PJM	PJM	T	X	X					
2517	Northeast Ohio Interface	PJM	PJM	T	X	X					
2518	Northwest Ohio Interface	PJM	PJM		X						
2519	Ohio Eastern Interface	PJM	PJM		X						
2522	Dune Acres-Michigan City 2 138 kV I/o Dune Acres-Michigan City 1 138 kV	MISO	MISO	T	X	X					
2530	Pierce_Beckjord138_ckt1889_flo_Pierce_Foster345	PJM	PJM	T	X	X					
2532	Petersburg_FranCk_flo_Rockport_Jefferson	MISO	MISO	T	X	X					
2554	Burr Oak 345/138 XFMR (flo) Burr Oak - Leesburg 345	MISO	MISO	T	X	X					
2556	Newton - Casey 345 (flo) Neoga - Casey 345]	MISO	MISO	T	X	X					
2558	Coffeen_Pana345Coffeen_CoffeenNorth345	MISO	MISO	T	X	X					
2559	Pierce-Beckjord 138 flo East Bend-Terminal 345	PJM	PJM		X						
2562	New London - Webster 230kv (flo) Rockport - Jefferson 765kv	MISO	MISO	T	X	X					
2563	State Line - Roxana 138kv (flo) Sheffield Xfmr 345/138	MISO	MISO	T	X	X					
2566	Miami Fort 345/138 TB 9 (flo) Dearborn - Tanners Creek 345	PJM	PJM	T	X	X					
2568	Pierce_Foster345_FLO_KygerCreek_Sporn345	PJM	PJM	T	X	X				X	X
2569	Stateline_WolfLake138_flo_Burnham_Munster345	MISO	MISO	T	X	X					
2570	Francis_Creek_Hanna_345_FLO_Nucor_Cayuga_345	MISO	MISO	T	X	X					
2572	Mktown_Inland_Stl_5_138_flo_Wltn_Ctr_Dumont_765	MISO	MISO	T	X	X					
2573	Mktown_Inland_Stl_5_138_flo_Mktn_InlndStl_7_138	MISO	MISO	T	X	X					
2576	Roxana_Praxair_1_138_FLO_Mrktwn_Inlnd_Stl_7_138	MISO	MISO	T	X	X					
2577	Roxana_Praxair_138_flo_Wilton_Center_Dumont_765	MISO	MISO	T	X	X					
2580	Roxana-Praxair 138 kV I/o Roxana-Mitchell Yard 138 kV	MISO	MISO	T	X	X					
2581	Roxana-Praxair 138 kV I/o Gary Ave-Sheffield 345 kV	MISO	MISO		X	X					
2582	Monticello_East_Winamac_138_flo_Schahfer_Burr_Oak_345	MISO	MISO	T	X	X					
2583	Monticello-East Winamac 138 kV I/o Rockport-Jefferson 765 kV	MISO	MISO	T	X	X					

NERC ID	FLOWGATE_NAME	OWNER	MGR	M2M	PJM	MISO	MAPP	TVA	SWPP	EKPC	LGEE
2584	Stateline_Roxana_138 flo GaryAve_Sheffield_345	MISO	MISO	T	X	X					
2585	Babcock_Stillwell_345 flo WiltonCenter_Dumont_765	MISO	MISO	T	X	X		X	X		
2586	StateLine_Roxanna_138 flo StateLine_WolfLake_138	MISO	MISO	T	X	X					
2587	State Line-Roxana 138 kV I/o Wilton Center-Dumont 765+Powerton 5/Joliet 7 (SPS)	MISO	MISO	T	X	X					
2588	State Line-Wolf Lake 138 kV I/o Wilton Center-Dumont 765+Powerton 5/Joliet 7 (SPS)	MISO	MISO	T	X	X					
2590	Babcock-Stillwell 345 kV I/o Wilton Center-Dumont 765+Powerton 5/Joliet 7 (SPS)	MISO	MISO	T	X	X					
2593	Dune Acres-Michigan City 1&2 138 kV I/o Wilton Center-Dumont 765+Powerton 5/Joliet 7 (SPS)	MISO	MISO	T	X	X					
2594	Roxana-Praxair 138 kV I/o Wilton Center-Dumont 765+Powerton 5/Joliet 7 (SPS)	MISO	MISO	T	X	X					
2595	Schahfer-Burr Oak 345 kV I/o Wilton Center-Dumont 765+Powerton 5/Joliet 7 (SPS)	MISO	MISO	T	X	X					
2596	StateLine_WolfLake_138 flo GaryAve_345_138_Xfmr	MISO	MISO	T	X	X					
2597	Michigan City-Laporte 138 kV I/o Wilton Center-Dumont 765+Powerton 5/Joliet 7 (SPS)	MISO	MISO	T	X	X					
2839	Powerton-Powerton Jct 138 kV I/o Pontiac-Loretto 345 kV	PJM	PJM		X						
2859	BAYSHORE-MONROE 345 FLO ALLEN-LULU 345 LULU-MAJESTIC 345 & LULU-MONR	MISO	MISO	T	X	X					
2861	Monroe-Bay Shore 345 flo Fostoria-Bay Shore 345	PJM	PJM		X						
2863	Argenta-Battle Creek 345 flo Argenta-Tompkins 345	MISO	MISO	T	X	X					
2866	Cook-Palisades 345 flo Cook-Benton Harbor 345	MISO	MISO	T	X	X					
2869	Eastlake-Juniper 345 flo Perry-Harding 345	PJM	PJM		X						
2875	Galion-Fostoria 345 flo Beaver-Davis Besse 345	PJM	PJM	T	X	X					
2879	Ghent-West Lexington 345	LGEE	TVA		X	X		X		X	X
2894	Krendale-Seneca 138 flo Mansfield-Hoytdale 345	PJM	PJM		X						
2900	Tangy-Hyatt 345 (flo) Marysville-Orange 765	PJM	PJM		X						
2902	Sammis-Highland 345 (flo) Mansfield-Highland 345	PJM	PJM		X						
2904	Mansfield-Beaver Valley 345 #2 flo Mansfield-Beaver Valley 345 #1	PJM	PJM		X						
2906	Mansfield-Crescent 345 flo Beaver Valley-Crescent 345	PJM	PJM		X						
2907	Mansfield-Hoytdale 345 flo Mansfield-Highland 345	PJM	PJM		X						
2908	Miami Fort 345/138 Xfm flo East Bend-Terminal 345	PJM	PJM	T	X	X					
2917	Ohio Central-Galion 345 flo E. Lima-Fostoria 345	PJM	PJM		X						
2920	Palisades-Benton Harbor 345 flo Twin Branch-Argenta 345	PJM	PJM		X						
2921	Palisades-Cook 345 flo Twin Branch-Argenta 345	PJM	PJM		X						
2923	Phipps Bend-Pocket North 500	LGEE	TVA		X			X		X	X
2929	Sammis-Beaver Valley 345 flo Sammis-Highland 345	PJM	PJM		X						
2931	Sammis-S. Canton 345 flo Sammis-Star 345	PJM	PJM		X						
2932	Sammis-S. Canton 345 flo Sammis-Wylie Ridge 345	PJM	PJM		X						
2934	Sammis-Wylie Ridge 345 flo Tidd-Wylie Ridge 345	PJM	PJM		X						
2935	S. Canton-Star 345 flo Sammis-Star 345	PJM	PJM		X						
2936	Seneca-Krendale 138 flo Wylie Ridge-Cabot 500	PJM	PJM		X						
2937	Seneca-Maple 138 flo Mansfield-Hoytdale 345	PJM	PJM		X						
2938	Seneca-Maple 138 flo Wylie Ridge-Sammis 345	PJM	PJM		X						
2943	Star-Juniper 345 flo Star-Carlisle 345	PJM	PJM		X						
2948	Thetford-Jewell 345 flo Hampton-Pontiac 345	MISO	MISO	T	X	X					
2950	Tompkins-Majestic 345 flo Oneida-Majestic 345	MISO	MISO	T	X	X					
2951	Twin Branch-Argenta 345 flo Cook-Benton Harbor 345	PJM	PJM	T	X	X					
2957	Zimmer-Silver Grove 345 flo Zimmer-Port Union 345	PJM	PJM		X						

NERC ID	FLOWGATE_NAME	OWNER	MGR	M2M	PJM	MISO	MAPP	TVA	SWPP	EKPC	LGEE
2958	Merom-Dresser 345 (flo) Gibson-Petersburg 345	MISO	MISO	T	X	X					
2959	Cayuga-Nucor (flo) Wheatlan-Amo	MISO	MISO	T	X	X					
2960	Greentown 765/138 XFMR 1 (flo) Greentown 765/230/138 XFMR 2	MISO	MISO	T	X	X					
2962	Greentown 765/230/138 XFMR 2 (flo) Greentown-Dumont 765	MISO	MISO		X	X					
2968	Miami Fort 345/138 Xfmr 9 (flo) Zimmer Unit 1	PJM	PJM	T	X	X					
2969	Miami Fort 345/138 Xfmr 9 (flo) Jefferson-Hanging Rock 765	PJM	PJM	T	X	X					
2974	Dune Acres-Michigan City 138 1 (flo) Dune Acres-Michigan City 138 2	MISO	MISO	T	X	X					
2975	Crete-St Johns Tap 345 kV I/o Dumont-Wilton Center 765 kV line	PJM	PJM	T	X	X					
2977	Buckner-Middletown 345 (flo) Trimble Co-Middletown 345	LGEE	TVA		X	X		X		X	X
2980	Dune Acres-Michigan City 138 1&2 (flo) Wilton Center-Dumont 765	MISO	MISO	T	X	X					
2982	Bayshore-Monroe 345	PJM	PJM	T	X	X					
2983	Beaver-Davis Besse 345	PJM	PJM	T	X	X					
2986	Davis Besse-Beaver 345	PJM	PJM	T	X	X					
2990	Mansfield- Beaver Valley 345	PJM	PJM		X						
2993	Benton Harbor-Palisades 345	PJM	PJM		X						
2996	Pierce-Foster 345	PJM	PJM	T	X	X				X	X
2997	Cayuga-Nucor 345	MISO	MISO	T	X	X					
3001	Wempletown-Paddock 345 kV (17102 line)	PJM	PJM		X						
3006	EAU CLAIRE-ARPIN 345 KV	MISO	MISO	T	X	X	X				
3012	PADDOCK XFMR 1 + PADDOCK-ROCKDALE	MISO	MISO	T	X	X					
3038	Paddock-Townline 138 (flo) Paddock-Blackhawk 138	MISO	MISO	T	X	X					
3063	Paddock-Townline 138 (flo) Paddock-Rockdale 345	MISO	MISO	T	X	X					
3067	SE Wisconsin Interface	MISO	MISO	T	X	X	X		X		
3068	Wempletown-Rockdale 345	PJM	PJM		X						
3107	MONTGOMERY-SPENCER 345 KV	MISO	MISO	T	X	X	X	X	X		
3111	XENIA -MT VERNON 345 KV	MISO	MISO	T	X	X		X			
3112	DUCK CREEK-IPAFA 345 KV	MISO	MISO	T	X	X					
3113	NEWTON-CASEY 345 KV	MISO	MISO	T	X	X		X			
3115	COFFEEN-PANA 345 KV	MISO	MISO	T	X	X					
3127	TAYLORVILLE-PAWNEE+COFFEEN-PANA-KINCAID	MISO	MISO	T	X	X					
3131	PAWNE-AUBURN+KINCAID-LATHM	MISO	MISO	T	X	X					
3139	PAWNEE WEST XFMR + PANA-KINCAID	MISO	MISO	T	X	X					
3142	RAMSEY-PANA + COFFEEN-PANA-KINCAID	MISO	MISO	T	X	X					
3145	PANA XFMR + COFFEEN-COFFEEN NORTH	MISO	MISO	T	X	X					
3147	Mason City - Mt Pulaski (1346 A Tap) 138 (flo) Duck Creek - Tazewell 345	MISO	MISO	T	X	X					
3161	Auburn - Chatham 138 (flo) Kincaid - Latham - Blue Mound 345	MISO	MISO	T	X	X					
3171	Gillespie Tap-Laclede Tap 138 (flo) Coffeen-Roxford 345	MISO	MISO	T	X	X					
3172	Havana-Ipava 138 (flo) Havana-Monmouth 138	MISO	MISO	T	X	X					
3173	Newton-Xenia 345	MISO	MISO	T	X	X		X			
3174	Ottawa-Oglesby 138 (flo) Hennepin-Oglesby 138	MISO	MISO	T	X	X					
3175	Palmyra 345/161 Xfm (flo) Montgomery-Spencer 345	AECI	PJM		X						
3177	Sidney 345/138 Xfm (flo) Brokaw-Bloomington 138	MISO	MISO	T	X	X					
3179	E. W. Frankfort-Shawnee 345 (flo) St. Francois-Lutesville 345	MISO	MISO	T	X	X		X	X	X	

NERC ID	FLOWGATE_NAME	OWNER	MGR	M2M	PJM	MISO	MAPP	TVA	SWPP	EKPC	LGEE
3180	W. Mt. Vernon-E. W. Frankfort 345 (flo) St. Francois-Lutesville 345	MISO	MISO	T	X	X		X		X	
3181	Pana345_138Xfm_flo_Coffeen_Roxford345	MISO	MISO	T	X	X					
3182	St. Francois-Lutesville 345 (flo) E. W Frankfort-Shawnee 345	MISO	MISO		X	X					
3190	Pana 345/138-kV TX I/o Kincaid-Latham-Blue Mnd+Kincaid-Pawnee+Lthm TR1	MISO	MISO	T	X	X					
3191	Rising 345/138 XFMR 1 (flo) Clinton - Brokaw 345kV	MISO	MISO	T	X	X					
3193	Casey - Breed 345 (flo) Rockport - Jefferson 765	MISO	MISO	T	X	X					
3194	Pawnee 345/138 xfmr I/o Kincaid-Latham-Pontiac 345 + Latham 345/138 xfmr	MISO	MISO	T	X	X					
3195	Pana 345/138 xfmr I/o Kincaid-Pawnee 345	MISO	MISO	T	X	X					
3196	Pana 345/138 xfmr I/o Kincaid-Lanesville 345	MISO	MISO	T	X	X					
3197	Ipava South - Macomb 138 (flo) Ipava - Havana - Monmouth 138	MISO	MISO	T	X	X					
3198	Pana_345by138Xfr2_flo_Kncd_2101_2102_UN2_2106	MISO	MISO	T	X	X					
3199	Lnesvle_345by138Xfr_flo_Kncd_2102_2105_UN2_2106	MISO	MISO	T	X	X					
3201	Dumont-Wilton Center 765 kV	PJM	PJM		X						
3202	Wilton Center-Dumont 765 kV	PJM	PJM	T	X	X			X		
3216	0621 Byron-Cherry Valley 345 kV I/o 0622 Byron-Cherry Valley 345 kV	PJM	PJM	T	X	X					
3217	Byron-Cherry Valley 0621 345 kV I/o Byron-Wempletown 345 kV	PJM	PJM	T	X	X					
3218	0622 Byron-Cherry Valley 345 kV I/o 0621 Byron-Cherry Valley 345 kV	PJM	PJM	T	X	X					
3219	0622 Byron-Cherry Valley 345 kV I/o 0624 Byron-Wempletown 345 kV	PJM	PJM		X						
3222	11601 E. Frankfort-Goodings Gr. I/o 11602 E. Frankfort-Goodings Gr.	PJM	PJM	T	X	X					
3223	11602 E. Frankfort-Goodings Gr. I/o 11601 E. Frankfort-Goodings Gr.	PJM	PJM	T	X	X					
3227	0404 Quad Cities-H471 I/o 15503 Cordova-Nelson 345 kV	PJM	PJM	T	X	X	X		X		
3228	0403 Quad Cities-Cordova I/o 0404 Quad Cities-H471 345 kV	PJM	PJM	T	X	X			X		
3229	11604 Goodings Gr.-Lockport I/o 11617 Goodings Gr.-Lockport 345 kV	PJM	PJM		X						
3230	11617 Goodings Gr.-Lockport I/o 11604 Goodings Gr.-Lockport 345 kV	PJM	PJM		X						
3240	2221 Zion-PlsPr for 9922 Zion-Arcd	MISO	MISO	T	X	X	X		X		
3242	9922 Zion-Arcad for 2221 Zion-PIP	MISO	MISO	T	X	X			X		
3245	15616 Cherry Valley-Silver Lake I/o 15502 Nelson-Electric Jct.	PJM	PJM	T	X	X	X		X		
3250	Nelson-Electric Jct (15502) I/o Cherry Val-Silver Lake (15616)	PJM	PJM	T	X	X	X		X		
3252	11622 Elwood-Goodings Gr. I/o Dresden-Electric Jct. + Dresden TR81	PJM	PJM	T	X	X					
3260	Lee County-Nelson (15501) I/o Wempletown-Paddock 345 kV	PJM	PJM		X						
3261	Nelson-Rock Fall (15509) 138 kV I/o Nelson-Electric Jct. (15502) 345 kV	PJM	PJM	T	X	X					
3263	Nelson-Dixon B FLO Nelson-Nelson RT	PJM	PJM		X						
3264	Nelson-Nelson RT FLO Nelson-Dixon B	PJM	PJM		X						
3265	Cherry Valley-Belvidere 138 kV (15623) I/o Cherry-Silver Lake (15616)	PJM	PJM		X						
3266	Garden Plain-Albany 138 flo Quad Cities H471 345	PJM	PJM		X						
3268	Munster-Burnham 345 flo Dumont-Wilton Center 765	PJM	PJM	T	X	X					
3269	Sheffield-Burnham 345 flo Dumont-Wilton Center 765	PJM	PJM		X						
3270	State Line-Wolf Lake 138 flo Burnham-Sheffield 345	MISO	MISO	T	X	X					
3271	State Line-Wolf Lake 138 flo Wilton Center-Dumont 765	MISO	MISO	T	X	X					
3273	Albany-Garden Plain 138 kV I/o Quad Cities-H471 345 kV	PJM	PJM		X						
3274	Nelson-Electric Junction (15502) I/o Byron-Cherry Valley (0621)	PJM	PJM	T	X	X	X		X		
3275	Burnham-Munster 345 I/o Dumont-Wilton Center 765+Powerton 5/Joliet 7 (SPS)	PJM	PJM	T	X	X					
3276	Burnham-Sheffield 345 I/o Wilton Center-Dumont 765+Powerton 5/Joliet 7 (SPS)	PJM	PJM	T	X	X					

NERC ID	FLOWGATE_NAME	OWNER	MGR	M2M	PJM	MISO	MAPP	TVA	SWPP	EKPC	LGEE
3277	Crete-St John 345 I/o Dumont-Wilton Center+Powerton 5/Joliet 7 (SPS)	PJM	PJM	T	X	X					
3278	Dumont #2 765/345 I/o Dumont-Wilton Center 765+Powerton 5/Joliet 7 (SPS)	PJM	PJM	T	X	X					
3279	Dumont #1 765/345 I/o Dumont-Wilton Center 765+Powerton 5/Joliet 7 (SPS)	PJM	PJM	T	X	X					
3280	Dumont-Stillwell 345 I/o Dumont-Wilton Center 765+Powerton 5/Joliet 7 (SPS)	PJM	PJM	T	X	X			X		
3281	Munster-Burnham 345 I/o Dumont-Wilton Center 765+Powerton 5/Joliet 7 (SPS)	PJM	PJM	T	X	X					
3282	Sheffield-Burnham 345 I/o Dumont-Wilton Center 765+Powerton 5/Joliet 7 (SPS)	PJM	PJM	T	X	X					
3283	Stillwell-Dumont 345 I/o Wilton Center-Dumont 765+Powerton 5/Joliet 7 (SPS)	PJM	PJM	T	X	X			X		
3284	6 Byron - 156 Cherry Valley (0621) 345 kV I/o Byron Unit #2	PJM	PJM	T	X	X					
3285	E. Frankfort-Crete 345 I/o Dumont-Wilton Center 765+Powerton 5/Joliet 7 (SPS)	PJM	PJM	T	X	X					
3300	Eastdale-East Springfield 138 kV I/o Kincd-Lthm-Blue Mnd+Kncd-Pawnee+Latham TR1	MISO	MISO	T	X	X					
3304	POWERTON-TAZEWEEL 345 KV	MISO	MISO	T	X	X					
3306	Holland - Mason 138 (flo) Duck Creek - Tazewell 345	MISO	MISO	T	X	X					
3311	Powerton-Tazewell 345 flo Powerton-Goodings Gr. 345 R	MISO	MISO	T	X	X					
3312	Lanesville 345/138kV Xfmr (flo) Lanesville - Brokaw - Pontiac 345kV	MISO	MISO	T	X	X					
3313	Coffeen_NRamsey345_flo_Kincaid_Pana_Coffeen_SPS	MISO	MISO	T	X	X					
3314	Baldwin_MtVernon345_flo_StFrancois_Lutesville345	MISO	MISO	T	X	X					
3352	Lanesville 345/138-kV TX I/o Kincd-Lathm-Blue Mnd+Kincd-Pawnee+Latham TR1	MISO	MISO	T	X	X					
3353	Lanesville 345/138 xfmr I/o Lthm-Kncd+Kncd-Pawnee+Pawnee TX+Kincd U2	MISO	MISO	T	X	X					
3401	SIDNEY XFMR + BUNSONVILLE XFMR	MISO	MISO	T	X	X					
3405	Bunsonville-Eugene 345 kV I/o Casey-Breed 345 kV	MISO	MISO	T	X	X					
3408	PANA-MOWEAQ T + KINCAID-LATHAM	MISO	MISO	T	X	X					
3413	Coffeen-Roxford 345 (flo) Newton-Xenia 345	MISO	MISO	T	X	X					
3419	Xenia-MtVernon 345 for Coffeen-Roxfd 345	MISO	MISO	T	X	X		X			
3428	Galesburg 161/138 Xfm #2 flo Electric Jct.-Nelson B 345	MISO	MISO	T	X	X					
3429	Oak Grove_Galesburg_flo_Nelson_ElectricJct	MISO	MISO	T	X	X					
3430	StLouis_East_Interface	MISO	MISO	T	X	X		X	X	X	
3431	Stillwell_Dumont345_flo_WiltonCenter_Dumont765	PJM	PJM	T	X	X					
3432	Pawnee345by138_flo_Kincaid_Lanesville345	MISO	MISO	T	X	X					
3433	Pana345by138_flo_KncaidUnit2_Kncaid_Lnesvle345	MISO	MISO	T	X	X					
3434	Eastdale-E Springfield 138kV flo Lanesville-Brokaw-Pontiac 345kV	MISO	MISO	T	X	X					
3435	Rising_TR1_FLO_WiltonCenter_Dumont765	MISO	MISO	T	X	X					
3436	Pana TR2 345/138 kV I/o Coffeen-Ramsey-Holland 345 kV	MISO	MISO	T	X	X					
3440	Rising_XFMR_TR1_FLO_Kincaid_Latham_BlueMound345	MISO	MISO	T	X	X					
3441	PowertonJct_Lilly138_flo_DuckCreek_Tazewell_345	MISO	MISO	T	X	X					
3442	Rising_XFMR_TR1_flo_Dresden_Pontiac345	MISO	MISO	T	X	X					
3443	Coffeen_N_Rmsy345flo_PraireSt_W_MtV345W_MtV_TR4	MISO	MISO	T	X	X					
3445	GooseCreek_Rising_345_FLO_Loretta_WiltonCtr_345	MISO	MISO	T	X	X					
3446	Tazewell_345_138kv_T1_flo_Tazewell_345_138kv_T2	MISO	MISO	T	X	X					
3447	Hennepin_LTV_Stl_138_flo_Duck_Crk_Tazewell_345	MISO	MISO	T	X	X					
3448	Flint_E_Peoria_138kv_flo_Edwards_Keystone_138kv	MISO	MISO	T	X	X					
3449	IP_1352_Powerton_JCT_FLO_Clinton_Unit_1	MISO	MISO	T	X	X					
3450	IP_1352_Pwr_Jct_flo_Nelson_Electric_Jct	MISO	MISO	T	X	X					
3451	Edwards_Kewan_138_FLO_Pwrton_Goodings_R_345_SPS	MISO	MISO	T	X	X					

NERC ID	FLOWGATE_NAME	OWNER	MGR	M2M	PJM	MISO	MAPP	TVA	SWPP	EKPC	LGEE
3452	OAKGROVE_GALESBURG161_flo_STERLING_STL_NELSON345	MISO	MISO	T	X	X					
3454	Ottawa_Tap_Oglesby_138_FLO_Kewanee_CrescentR_138	MISO	MISO	T	X	X					
3455	Ottawa_Tap_Oglesby138_FLO_Kewan_IP_Kewan_CE_138	MISO	MISO	T	X	X					
3456	Coffeen_North_Ramsey_345_flo_Newton_Casey_345	MISO	MISO	T	X	X					
3457	Rantoul-Rantoul Jct 138 kV I/o Loretto-Wilton Center 345 kV	MISO	MISO	T	X	X					
3458	Rantoul_RantoulJct_138_FLO_WiltonCenter_Dumont_765	MISO	MISO	T	X	X					
3459	PrairieState_WestMtVermon_FLO_CoffeenRoxford345	MISO	MISO	T	X	X					
3460	BUNSONVILLESIDNEY345IP4501FLOCASEYBREED345	MISO	MISO	T	X	X					
3461	RantoulJct_Sidney138_FLO_Rising_N_Champaign_Mahomet138	MISO	MISO	T	X	X					
3462	Brokaw-N Leroy 138 kV I/o Clinton-Oreana-GooseCrk 345 kV	MISO	MISO	T	X	X					
3463	Rantoul_RantJct_138_flo_NChmpgn_Mahmet_Rsng_138	MISO	MISO	T	X	X					
3464	Edwds_Kewan_138kv_flo_dk_Crk_Tazewell_345kv_AMRN	MISO	MISO	T	X	X					
3465	Rantoul-Rantoul Jct 138 kV I/o Clinton-Brokaw+Brokaw T2	MISO	MISO	T	X	X					
3467	St Louis South Interface	MISO	MISO		X	X		X	X		
3468	Brokaw-State Farm 138 kV I/o S Bloomington-Brokaw 138 kV	MISO	MISO	T	X	X					
3469	Rantoul-Rantoul Jct 138 kV I/o Wilton Center-Dumont 765+Powerton 5/Joliet 7 (SPS)	MISO	MISO	T	X	X					
3470	Rising 345/138 kV Wilton Center-Dumont 765+Powerton 5/Joliet 7 (SPS)	MISO	MISO	T	X	X					
3471	Brokaw-Gibson (Cornbelt) 138 kV I/o Clinton-Oreana-GooseCrk 345 kV	MISO	MISO	T	X	X					
3472	Lanesville 345/138 kV I/o Kincaid-Latham-Blue Mnd+Latham TR1	MISO	MISO	T	X	X					
3473	Brokaw-Gibson (Cornbelt) 138 kV I/o Pontiac-Blue Mound 345 kV	MISO	MISO	T	X	X					
3529	N. Appleton-Rocky Run 345kV	MISO	MISO	T	X	X	X		X		
3537	Kenosha-Lakeview 138 PleasPr-Zion 345	MISO	MISO	T	X	X					
3557	PleasPrairie-Arcadian138 FLO PleasPrairie-Racine345	MISO	MISO	T	X	X					
3558	PleasPrairie-Arcadian345 FLO Zion-Arcadian345	MISO	MISO	T	X	X					
3570	Pleasant Prairie-Zion 345 flo Cherry Valley-Silver Lake 345 R	MISO	MISO	T	X	X	X		X		
3587	Zion-Pleasant Prairie 345KV	MISO	MISO	T	X	X	X		X		
3595	Pleasant Prairie-Racine 345 (flo) Pleasant Prairie-Arcadian 345	MISO	MISO	T	X	X					
3599	SW Wisconsin Interface	MISO	MISO	T	X	X	X				
3641	Schahfer_BurrOak345_flo_WiltonCenter_Dumont765	MISO	MISO	T	X	X					
3642	Pierce - Foster 345kv flo EastBend-Terminal 345kv	PJM	PJM	T	X	X					
3643	ToddHunter_Trenton138_flo_Wmilton_Miami345_XFMR	PJM	PJM	T	X	X					
3644	Toddhunter_Trenton138_flo_TannersCreek_Xfmr_AB	PJM	PJM	T	X	X					
3645	Cumberland_Bush_138_FLO_Westwood_TippecanoeLabs_138	MISO	MISO	T	X	X					
3646	Nucor_Whitestown_345_flo_Rockport_Jefferson_765	MISO	MISO	T	X	X					
3647	Cumberland_Bush_138_flo_Rockport_Jefferson_765	MISO	MISO	T	X	X					
3648	Cumberlnd_Bush_138_FLO_Westwood_LafayetteCat_138	MISO	MISO	T	X	X					
3649	Cumberland_Bush_138_FLO_Cayuga_Veedersburg_230	MISO	MISO	T	X	X					
3650	Westwood_345_138_TR2_FLO_Olive_MeadowLake_345	MISO	MISO	T	X	X					
3651	Westwood_345_138_TR2_FLO_Cayuga_Eugene_345	MISO	MISO	T	X	X					
3652	Bush_Lafayette_138_FLO_Cayuga_Veedersburg_230	MISO	MISO	T	X	X					
3653	Bush_Lafayette_138_FLO_Westwood_LafayetteCat_138	MISO	MISO	T	X	X					
3654	Bush_Lafayette_FLO_Westwood_TippecanoeLabs_138	MISO	MISO	T	X	X					
3655	Bush_Lafayette_138_flo_Rockport_Jefferson_765	MISO	MISO	T	X	X					

NERC ID	FLOWGATE_NAME	OWNER	MGR	M2M	PJM	MISO	MAPP	TVA	SWPP	EKPC	LGEE
3656	Cayuga_345_230_Bank_10_FLO_Jefferson_Rockport765	MISO	MISO	T	X	X					
3658	Purdue_LafyetCin_138_FLO_Westwood_TippecanoeLabs_138	MISO	MISO	T	X	X					
3659	LafCin_LafyetCat_138_FLO_Westwood_TippecanoeLabs_138	MISO	MISO	T	X	X					
3661	Cumberland_Bush_138kV_flo_Cayuga_Cayuga3_345kV	MISO	MISO	T	X	X					
3662	WLafayette_Cumberland_138_flo_Cayuga_Cayuga3_345	MISO	MISO	T	X	X					
3663	W_Lafayette_Cumberland_138_flo_Cayuga_Eugene_345	MISO	MISO	T	X	X					
3664	MiamiFort_345_138_BK10_FLO_TannersCreek_Dearborne_1_345	PJM	PJM	T	X	X					
3665	WLafayte_Cmbrind138_FLO_Wstwood_TippcanoeLbs138	MISO	MISO	T	X	X					
3706	Arnold - Hazleton	MISO	MISO	T	X	X	X		X		
3715	Quad Cities_Rock Creek 345/MEC Cordova-Sub 39	MISO	MISO	T	X	X					
3716	Rock Creek 345/161 TR for Quad-Sub 91 345	MISO	MISO	T	X	X					
3719	Salem 345/138 Quad Cities-Sub 91	MISO	MISO	T	X	X					
3720	Salem 345-138 TR for MEC Cordova-Sub 39 345kV	MISO	MISO	T	X	X					
3721	Salem 345/161 for Quad-Sub 91 TR	MISO	MISO	T	X	X					
3725	Sub_56_Davnprt_ECalamus161_for_Quad_RockCr345_	MISO	MISO	T	X	X					
3736	Salem 345/161 flo Wempletown-Paddock 345	MISO	MISO	T	X	X					
3752	Salem_345_161_XFMR_flo_Tiffin_Arnold_345	MISO	MISO	T	X	X	X				
3753	Salem_345_161Xfm_flo_Hills_Tiffin_345	MISO	MISO	T	X	X					
3763	Quad Cities - Rock Creek 345KV	MISO	MISO	T	X	X					
3771	PleasantPraire_Zion_345kV	MISO	MISO	T	X	X	X		X		
3773	Beaver_Channel_Albany_161_flo_Cordova_Nelson_345	MISO	MISO	T	X	X					
3800	Paris_Albers138kV_flo_Plsant_Prairie_Racine345kV	MISO	MISO	T	X	X					
3807	Coffeen-Pana North 345 kV I/o Holland-Neoga 345 kV	MISO	MISO	T	X	X					
3824	PleasantPrairie_Zion_345_flo_ElmRoad_Arcadian345	MISO	MISO	T	X	X	X		X		
3826	Kenosha-Lakeview 138 kV I/o Arcadian-Zion 345 kV	MISO	MISO	T	X	X					
6009	COOPER_S	SWPP	SWPP		X	X	X		X		
6124	Sub K/Tiffin-Arnold 345kV	MISO	MISO	T	X	X	X		X		
6183	Quad Cities - Sub 91	MISO	MISO	T	X	X	X		X		
6184	Cordova - East Moline	MISO	MISO	T	X	X	X		X		
6185	Sub 92 - Hills	MISO	MISO	T	X	X	X		X		
6193	MWEX	MISO	MISO		X	X	X		X		
6195	Sub 91 TR1 345/161kV FLO Cordova-Sub 39 345kV	MISO	MISO		X	X					
6197	Bondurant - Sycamore 345	MISO	MISO	T	X	X	X		X		
6207	Sub_39_345_161_Xfmr_flo_Quad_Rock_Creek_345	MISO	MISO	T	X	X					
6208	Sub_39_345_161_Xfmr_flo_Quad_Oak_Grove_345	MISO	MISO	T	X	X					
6209	Sub_39_345_161_Xfmr_flo_Quad_Sub_91_345	MISO	MISO	T	X	X					
6229	Oakgrove_Galesburg_161_FLO_Cordova_Nelson_345	MISO	MISO	T	X	X					
7001	DYSINGER	NYIS	PJM		X						
7009	IMO - FRONTIER	NYIS	PJM		X						
7010	IMO - ADIRONDACK	NYIS	PJM		X						
7101	BLIP-(Buchanan Longwood Input)	IMO	PJM		X						
7102	QFW-(Queenston Flow West)	IMO	PJM		X						
7104	NEGATIVE_BLIP(Negative Buch Lgwd Input)	IMO	PJM		X						

NERC ID	FLOWGATE_NAME	OWNER	MGR	M2M	PJM	MISO	MAPP	TVA	SWPP	EKPC	LGEE
7105	Adirondack-Ontario Hydro	IMO	PJM		X						
7106	FRONTIER - IMO	IMO	PJM		X						
7108	L27N Lambton-Scott 230 kV flo Buchanan-Longwood-Chatham 230 kV	IMO	PJM		X						
7109	L27N Lambton-Scott 230 kV flo Lambton-Chatham 230 kV	IMO	PJM		X						
9021	AEP_METC	MISO	MISO	T	X	X					
9084	MECS-IMO	MISO	PJM		X						
9156	NYIS-IMO	NYIS	PJM		X						
9159	IMO-MECS	MISO	PJM		X						
9160	IMO-NYIS	IMO	PJM		X						
17186	Sheffld_Mrktwn_flo_Sheffld_AMOCO_and_GryAv_ChiAv	MISO	MISO	T	X	X					
17187	Sheffld_Mrktwn_flo_Sheffld_AMOCO	MISO	MISO	T	X	X					
17400	Michigan City-Laporte 138 kV I/o Stillwell-Dumont 345 kV	MISO	MISO	T	X	X					
17444	E. Frankfort-Crete 345 I/o Dumont-Wilton Center 765+Powerton 5/Joliet 7 (SPS)	PJM	PJM		X	X					
17456	Michigan City-Trail Creek 138 kV I/o Wilton Center-Dumont 765+Powerton 5/Joliet 7 (SPS)	MISO	MISO	T	X	X					
17464	Dune Acres-Michigan City 1 138 kV I/o Wilton Center-Dumont 765+Powerton 5/Joliet 7 (SPS)	MISO	MISO	T	X	X					
17465	Dune Acres-Michigan City 2 138 kV I/o Wilton Center-Dumont 765+Powerton 5/Joliet 7 (SPS)	MISO	MISO	T	X	X					
17477	ST_JOHN_345_138_XFMR_2_FLO_GREENACRE_ST_JOHN_345	MISO	MISO	T	X	X					
17483	Brokaw-Gibson (Cornelt) 138 kV I/o Kincaid-Latham-BlueMnd+Latham TR1	MISO	MISO	T	X	X					
17486	Rising 345/138 kV I/o Kncc-Lthm-BlueMnd+Lthm TR1+Clntn-Brkw	MISO	MISO	T	X	X					
17491	St John 345/138 kV I/o Wilton Center-Dumont 765+Powerton 5/Joliet 7 (SPS)	MISO	MISO	T	X	X					
17492	St John 345/138 kV I/o Wilton Center-Dumont 765	MISO	MISO	T	X	X					
17493	St John 345/138 kV I/o Wilton Center-Dumont 765+St John-Green Acres 345	MISO	MISO	T	X	X					
17498	St John-Liberty Park 138 kV I/o St John-Green Acres 345 kV	MISO	MISO	T	X	X					
17510	Brokaw-Gibson (Cornbelt) 138 kV I/o 2102 Line+Kincaid-Pawnee 345+Latham TR1	MISO	MISO	T	X	X					
17520	Brokaw-Gibson (Cornbelt) 138 kV I/o Wilton Center-Dumont 765 kV	MISO	MISO	T	X	X					
17529	St John 345/138 kV I/o Wilton Center TR93	MISO	MISO	T	X	X					
17540	Stillwell 345/138 kV I/o Schahfer-Burr Oak 345 kV	MISO	MISO	T	X	X					
17556	Crete-St John 345 kV I/o Collins-Wilton Center 765+Wilton Center TR93	PJM	PJM	T	X	X					
17565	Stillwll 345/138 xfmr I/o Stillwll - Dumont 345 kV	MISO	MISO	T	X	X					
17566	Stillwll 345/138 xfmr I/o Stillwll-Dumont + Schaffer-Burr Oak	MISO	MISO	T	X	X					
17573	Newlondon Kokhp 230 (flo) Jeff 765 Cliftycreek 345	MISO	MISO	T	X	X					
17574	Monticello_EWinamac_138_FLO_Jefferson_CliftyCrk_345_Jefferson765_345	MISO	MISO	T	X	X					
17588	Miami_Fort_Hebron_138kv_flo_Tanners_Crk_Dearbor1	PJM	PJM	T	X	X					
17590	MichCity_Laport_flo_Babck_Stillwel_WiltCent_Dum	MISO	MISO	T	X	X					
17591	MichCity_Laport_flo_Babck_Stillwel	MISO	MISO	T	X	X					
17593	Bloom_DenoisCK230kV_flo_Jefferson_Rockpt765kV	MISO	MISO	T	X	X					
17595	Miami Fort-Ebnzr 138 kV I/o E. Bend-Terminal 345+Hebron-Constance 138	MISO	MISO	T	X	X					
17596	Miami Fort-Ebnzr 138 kV I/o E. Bend-Terminal 345 kV	PJM	PJM	T	X	X					
17611	Edwds_Kwane_flo_Pwton_GodsGr_Powton_Lokprt_Kndal	MISO	MISO	T	X	X					
17612	MiamiFT_Willey_lo_TanCk_Dearbon_Dearbon_CliftyCK_Dearbon_Pirece_Hebrn_CNSTNC	MISO	MISO	T	X	X					
17614	MimFT_Ednz_flo_Tnck_Drbn_Clfck_Drbn_Pir_Hebrn_Cns	MISO	MISO	T	X	X					
17615	MiamiFt_Edenezer138kV_flo_TanCk_Dearborn345kV_Clifty_Dearborn345kV_Dearborn_Pierce345kV	MISO	MISO	T	X	X					
17616	Miami Fort-Hebron 138kV I/o Eastbend-Terminal 345kV	PJM	PJM	T	X	X					

NERC ID	FLOWGATE_NAME	OWNER	MGR	M2M	PJM	MISO	MAPP	TVA	SWPP	EKPC	LGEE
17617	Miamft_Hebron_flo_Ebend_Terminl_Clif_drborn_Pier	MISO	MISO	T	X	X					
17626	MichCity_Laport_flo_WiltCent_Dum_GrnAcr_GrnAcrTp	MISO	MISO	T	X	X					
17627	StateLin_Roxana_flo_WiltCent_Dum_GrnAcr_GrnAcrTp	MISO	MISO	T	X	X					
17630	FrancoisCk_Hanna345kV_flo_Jefferson_Rockport	MISO	MISO	T	X	X					
17631	Petbug_FrcisCK_flo_Petbug_Thompsn_Jefrsn_Rokprt	MISO	MISO	T	X	X					
17632	FrancoiCk_Hanna_flo_Petbug_Thompsn_Jefrsn_Rokprt	MISO	MISO	T	X	X					
17633	Burnham-Munster 345 I/o Wilton Center-Dumont 765+E. Frankfort-Crete 345	PJM	PJM	T	X	X		X	X		
17645	Erie West 345/115 kV xfmr3 I/o Erie West-Erie South 345	PJM	PJM		X						
17647	Sheffield-Marktown 138 kV I/o Wilton Center-Dumont 765 kV	MISO	MISO	T	X	X					
17648	Lnsvl-Illiop 138 I/o 2102+Kncd-Pwnee345+Lnsvl-BrkwTp345+Pwne TX+Lthm TX+Clntrn U1	MISO	MISO	T	X	X					
17649	Burnham-Munster 345 kV I/o E. Frankfort-Crete 345 kV	PJM	PJM	T	X	X		X			
17653	Green Acres-Olive 345 kV I/o Wltn Ctr-Dmnt 765+Schfr-GrnAcr 345+Schfr-LkGrg 345	MISO	MISO	T	X	X		X			
17654	Green Acres-Olive 345 kV I/o Wilton Center-Dumont 765 kV	MISO	MISO	T	X	X		X			
17656	Burnham-Munster 345 kV I/o Braidwood-E. Frankfort 345 kV	PJM	PJM	T	X	X					
17657	Michigan City-Laport I/o Wilt-Dum SPS+TrailCrk-NewCarile	MISO	MISO	T	X	X					
17658	Michigan City-Laport I/o Babcock-Stillwell +TrailCrk-NewCarile	MISO	MISO	T	X	X					
17659	Michigan City-Laport I/o Olive 345 xfmr	MISO	MISO	T	X	X					
17660	Michigan City-Laport I/o Olive 345 xfmr +TrailCrk-NewCarile	MISO	MISO	T	X	X					
17661	Michigan City-Laport I/o Wilt-Dum +TrailCrk-NewCarile	MISO	MISO	T	X	X					
17662	Sheffld-Mrktwn I/o Sheffld-AMOCO + Calumet-Roxana	MISO	MISO	T	X	X					
17670	Schahfr-BurrOak I/o WiltCent-Dum+SPS+GrnAc-GATp	MISO	MISO	T	X	X		X			
17671	Michigan City-Laport I/o Wilton -Dumont SPS +GreenAcres-GreenAcresTp	MISO	MISO	T	X	X					
17673	Zion-Lakeview 138 I/o Zion-Pleasant Prairie 345+Zion-Arcadian 345 (Preposition)	MISO	MISO	T	X	X					
17683	Wolf Lake-Sheffield 138 kV I/o Dumont-Wilton Center 765+Sheffield 345/138	MISO	MISO	T	X	X					
17684	Wolf Lake-Sheffield 138 kV I/o Dumont-Wilton Center 765 kV	MISO	MISO	T	X	X					
17694	Gary Ave 345/138 kV I/o State Line-Wolf Lake 138 kV	MISO	MISO	T	X	X					
17695	Gary Ave 345/138 kV I/o State Line-Wolf Lake 138+Sheffield 345/138	MISO	MISO	T	X	X					
17697	Cherry Valley TR83 I/o Cherry Valley-Silver Lake 345 kV	PJM	PJM	T	X	X					
25001	PJM-ALTE Interface	PJM	PJM		X						
25002	PJM-ALTW Interface	PJM	PJM		X						
25003	PJM-AMRN Interface	PJM	PJM		X						
25004	PJM-CILC Interface	PJM	PJM		X						
25005	PJM-CIN Interface	PJM	PJM		X						
25006	PJM-CPLE Interface	PJM	PJM		X						
25007	PJM-CPLW Interface	PJM	PJM		X						
25008	PJM-CWLP Interface	PJM	PJM		X						
25009	PJM-DUK Interface	PJM	PJM		X						
25010	PJM-EKPC Interface	PJM	PJM		X						
25011	AEP-FE Interface	PJM	PJM		X						
25013	DUQ-FE Interface	PJM	PJM		X						
25014	PJM-FE Interface	PJM	PJM		X						
25016	PJM-IPL Interface	PJM	PJM		X						
25017	PJM-LGEE Interface	PJM	PJM		X						

NERC ID	FLOWGATE_NAME	OWNER	MGR	M2M	PJM	MISO	MAPP	TVA	SWPP	EKPC	LGEE
25018	PJM-MEC Interface	PJM	PJM		X						
25019	PJM-MECS Interface	PJM	PJM		X						
25020	PJM-NIPS Interface	PJM	PJM		X						
25021	PJM-NYIS Interface	PJM	PJM		X						
25022	PJM-OVEC Interface	PJM	PJM		X						
25023	PJM-TVA Interface	PJM	PJM		X						
25024	PJM-WEC Interface	PJM	PJM		X						
25025	AEP-CPLE Interface	PJM	PJM		X						
25026	DOM-CPLE Interface	PJM	PJM		X						
25027	Edanvill-Roxborough 230 kV Line (AEP-CPLE tie)	PJM	PJM		X						
25028	Edanvill-Yancy Tap 230 kV Line (AEP-CPLE tie)	PJM	PJM		X						
25029	5004/5005 Interface I/o Black Oak-Bedington 500 kV	PJM	PJM		X						
25030	5004/5005 Interface I/o Conemaugh-Keystone 500 kV	PJM	PJM		X						
25031	5004/5005 Interface I/o Conemaugh-Keystone 500 kV	PJM	PJM		X						
25032	5004/5005 I/o Hatfield-Black Oak 500	PJM	PJM		X						
25033	5004/5005 I/o Conemaugh-Hunterstown 500	PJM	PJM		X						
25034	5004/5005 I/o Hunterstown-Conastone 500	PJM	PJM		X						
25035	5004/5005 I/o Peach Bottom-RockSprings 500	PJM	PJM		X						
25036	5004/5005 I/o RockSprings-Keeney 500	PJM	PJM		X						
25037	5004/5005 I/o Susquehanna-Wescosville 500	PJM	PJM		X						
25046	Leeds-Pleasant Valley NY 345 kV I/o Athens-Pleasant Valley NY 345 kV	NYIS	PJM		X						
25047	Leeds-Pleasant Valley NY 345 kV I/o Leeds-Hurley Ave 345 kV	NYIS	PJM		X						
25048	Leeds-Pleasant Valley NY 345 kV I/o Athens-Plsnt Villy NY & Leeds-Hurley Ave	NYIS	PJM		X						