

List of Flowgates affected by Western's Termination of Seams Service

NERC FLOWGATE ID	FLOWGATE DESCRIPTION	FLOWGATE OWNER	Reciprocal Entities	
			Before May 1, 2012	Effective May 1, 2012
3006	EAU_CLAIRE_ARPIN_345_KV	MISO	MAPP,MISO	MISO CF
3067	SE_Wisconsin_Interface	MISO	MAPP,MISO,PJM,SWPP	MISO,PJM,SWPP
3107	MONTGOMERY_SPENCER_345_KV	MISO	MAPP,MISO,PJM,SWPP	MISO,PJM,SWPP
3240	2221_Zion_PlsPr_for_9922_Zion_Arcd	MISO	MAPP,MISO,PJM,SWPP	MISO,PJM,SWPP
3529	N_Appleton_WrnWest_345kV	MISO	MAPP,MISO,PJM,SWPP	MISO,PJM,SWPP
3570	PleasantPrairie_ZionCherryValley_SilverLakeR	MISO	MAPP,MISO,PJM,SWPP	MISO,PJM,SWPP
3571	Pleasant_Prairie_Zion_345_flo_Zion_Arcadian_345	MISO	MAPP,MISO,PJM,SWPP	MISO,PJM,SWPP
3587	Zion_Pleasant_Prairie_345	MISO	MAPP,MISO,PJM,SWPP	MISO,PJM,SWPP
3599	SW_Wisconsin_Interface	MISO	MAPP,MISO,PJM	MISO,PJM
3706	Arnold_Hazleton_	MISO	MAPP,MISO,PJM,SWPP	MISO,PJM,SWPP
3724	Arnold_Vinton_161_for_DArnold_Hazleton_345_	MISO	MAPP,MISO	MISO CF
3728	Dysart_Washburn_161_for_DArnold_Hazleton_345_	MISO	MAPP,MISO	MISO CF
3729	Bondurant_BooneJct_161_for_Sycamr_Lehigh_345_	MISO	MAPP,MISO	MISO CF
3730	Bondurant_BooneJct_161_for_Lehigh_Webster_345_	MISO	MAPP,MISO	MISO CF
3735	Cayler_Triboji161_flo_Raun_Lakefield345	MISO	MAPP,MISO	MISO CF
3737	Alliat_Hills_345_161_Xfmr_flo_Tiffin_Duane_Arnold_345	MISO	MAPP,MISO	MISO CF
3742	Lime_Creek_Emery_161_flo_Lehigh_Webster_345	MISO	MAPP,MISO	MISO CF
3744	Vinton_Dysart_161_flo_Arnold_Hazleton_345	MISO	MAPP,MISO	MISO CF
3745	Lime_Creek_Emery_161_flo_Adams_Hazleton_345	MISO	MAPP,MISO	MISO CF
3752	Salem_345_161_XFMR_flo_Tiffin_Arnold_345	MISO	MAPP,MISO	MISO CF
3753	Salem_345_161_XFMR_flo_Hills_Tiffin_345	MISO	MAPP,MISO	MISO CF
3756	Emery_Lime_Creek_161_flo_Emery_Floyd_161	MISO	MAPP,MISO	MISO CF
3758	Hzlton_345by161_xf_21_flo_Hzlton_345by161_xf_22	MISO	MAPP,MISO	MISO CF
3764	FoxLk_Rutland_161kV_flo_LkfldGS_Wilmarth_345kV	MISO	MAPP,MISO	MISO CF
3765	Rutland_Winbago_161kV_flo_LkfldGS_Wilmarth_345kV	MISO	MAPP,MISO	MISO CF
3766	Dundee_Hazleton161_flo_Arnold_Hazleton345	MISO	MAPP,MISO	MISO CF
3771	PleasantPrairie_Zion_345kV	MISO	MAPP,MISO,PJM,SWPP	MISO,PJM,SWPP
3824	PleasantPrairie_Zion_345_flo_ElmRoad_Arcadian345	MISO	MAPP,MISO,PJM,SWPP	MISO,PJM,SWPP
6002	MHEX_S	MISO	MAPP,MISO	MISO CF
6003	MHEX_N	MISO	MAPP,MISO	MISO CF
6012	PRI_BYN	MISO	MAPP,MISO	MISO CF
6060	D602F_500KV	MISO	MAPP,MISO	MISO CF

Note: MISO CF is MISO Coordinated Flowgate not reciprocal with any other entity.

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			Before May 1, 2012	Effective May 1, 2012
6072	L20D_230kV	MISO	MAPP,MISO	MISO CF
6112	ByronMapleLeaf_161_flo_Byron_Pleasant_Valley_345	MISO	MAPP,MISO	MISO CF
6113	ByronMapleLeaf_161_flo_Pleasant_Valley_Adams_345	MISO	MAPP,MISO	MISO CF
6114	Wabaco_Alma_161_flo_Prairie_Island_Byron_345	MISO	MAPP,MISO	MISO CF
6120	Glenboro_Rugby_230kV_line_G82R_South_Flow	MISO	MAPP,MISO	MISO CF
6124	Tiffin_Arnold_345kV	MISO	MAPP,MISO,SWPP	MISO,SWPP
6138	Rugby_Glenboro_230kV_line_G82R_North_Flow	MISO	MAPP,MISO	MISO CF
6151	Adams_345_161_flo_Hazleton_Adams_345_	MISO	MAPP,MISO	MISO CF
6160	LaVerendry_Letellier_230kV_line_Y51L	MISO	MAPP,MISO	MISO CF
6164	Plymth_Sioux_City_161_flo_Raun_Sioux_City_345	MISO	MAPP,MISO	MISO CF
6172	Coal_Creek_Stanton_flo_Coal_Creek_Tap_Stanton	MISO	MAPP,MISO	MISO CF
6174	Coal_Creek_Tap_Stanton_flo_Coal_Creek_Stanton	MISO	MAPP,MISO	MISO CF
6181	Reasnor_DesMoines_161_flo_Montezuma_Bondurant_345	MISO	MAPP,MISO,SWPP	MISO,SWPP
6183	QuadSub91	MISO	MAPP,MISO,PJM,SWPP	MISO,PJM,SWPP
6184	CoordovaSub39	MISO	MAPP,MISO,PJM,SWPP	MISO,PJM,SWPP
6185	Sub92Hills_LouisaSubstation	MISO	MAPP,MISO,PJM,SWPP	MISO,PJM,SWPP
6186	Genoa_Lacrosse_Tap_161_flo_Genoa_Coulee_161	MISO	MAPP,MISO	MISO CF
6187	Adms_Rchstr_161_flo_Byrn_PVS_Adms_Adms_345by161	MISO	MAPP,MISO	MISO CF
6188	Adams_Rochester_161_flo_Byron_345by161	MISO	MAPP,MISO	MISO CF
6189	Adams_Rochester_161_FLO_Byron_Pleasant_Valley345	MISO	MAPP,MISO	MISO CF
6190	Hazleton_Black_Hawk161_FLO_Hazleton_Washburn161	MISO	MAPP,MISO	MISO CF
6192	Arrowhead_StoneLake345kV	MISO	MAPP,MISO	MISO CF
6193	MWEX	MISO	MAPP,MISO,SWPP	MISO,SWPP
6196	Lansing_Genoa161_FLO_Harmony_Genoa161	MISO	MAPP,MISO	MISO CF
6197	Bondurant_Sycamore345_flo_GDMEC_SEPolk345	MISO	MAPP,MISO,PJM,SWPP	MISO,PJM,SWPP
6200	Adams_BeaverCreek_FLO_MitchellCounty_Hazleton345	MISO	MAPP,MISO	MISO CF
6203	Adams_Beaver_Creek161_FLO_Genoa_unit3	MISO	MAPP,MISO	MISO CF
6206	Hazleton_Washburn161_FLO_Hazleton_BlackHawk161	MISO	MAPP,MISO	MISO CF
6210	Drayton_Letellier_230kV_L20D_North_Flow	MISO	MAPP,MISO	MISO CF
6211	Glenboro_Cornwallis_230_FLO_Tioga_Boundary_230	MISO	MAPP,MISO	MISO CF
6213	Rugby_Glenboro_230_FLO_Dorsey_Roseau_Forbes_500	MISO	MAPP,MISO	MISO CF
6214	BungeHastings_161kV_FLO_Cooper_StJoe_345kV	MISO	MAPP,MISO,SWPP	MISO,SWPP
6227	Webster_345_161kV_flo_Raun_Lakefield_345kV	MISO	MAPP,MISO	MISO CF
6228	Webster_TR_345_161kV_flo_Arnold_Tiffin_345_kV	MISO	MAPP,MISO	MISO CF

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			Before May 1, 2012	Effective May 1, 2012
17296	White_Brookings115kV_FLO_Watertown_White345kV	MAPP	MAPP,MISO	MISO CF
17297	White_Brookings115kV_FLO_White_SplitRock345kV	MAPP	MAPP,MISO	MISO CF
17804	OakGrove_Galesburg161_flo_Nelson_Lee345_Nelson_ElectrJct345	MISO	MAPP,MISO,PJM	MISO,PJM
17910	BungeHastings161kV_FLO_StJoe_Fairport_Cooper345kV	MISO	MAPP,MISO,SWPP	MISO,SWPP
17959	OakGro_Galesbug161_flo_Cordo_Nelson_Quad_H471345	MISO	MAPP,MISO,PJM	MISO,PJM

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