

NERC ID	Flowgate Description	Owner	RCF Entities
53	AEP_DOM_flo_Pruntytown_MtStorm500kV	PJM	MISO,PJM
54	AEP_DOM_flo_Culloden_Wyoming765kV	PJM	MISO,PJM
56	AEP_DOM_flo_Bedington_BlackOak500kV	PJM	MISO,PJM
57	AEP_DOM_flo_Cloverda_Jacksons765kV	PJM	MISO,PJM
58	AEP_DOM_flo_Cloverda_765_345_T10_PRESEC	PJM	MISO,PJM
59	AEP_DOM_Interface	PJM	MISO,PJM
251	Baker_Broadford_765_flo_Culloden_Wyoming_765	PJM	MISO,PJM
280	CliftyCr_Drborn_345kV_flo_Jefferson_Grtwn_765kV	PJM	MISO,PJM
501	PntiacWiltonCenter345_flo_DresdenElectricJct345	PJM	MISO,PJM
505	Cordova_Nelson_345_Quad_CitiesH471_345	PJM	MISO,PJM
506	Nelson_345_138_xfmr_84_Nelson_345_138_xfmr_82	PJM	MISO,PJM
507	Nelson_345_138_xfmr_82_Nelson_345_138_xfmr_84	PJM	MISO,PJM
514	Cordova_Nelson345_flo_H471_Nelson345	PJM	MISO,PJM
520	E_Frankfort_GoodingsGr345B	PJM	MISO,PJM
521	E_Frankfort_GoodingsGr345_R	PJM	MISO,PJM
522	EFrankfort_Crete345_flo_Dumont_WiltonCenter765	PJM	MISO,PJM
527	Nelson345_138TR82_flo_Nelson_ElectricJct345	PJM	MISO,PJM
536	Waukegan_Zion138_flo_Zion_Arcadian345	PJM	MISO,PJM
544	7713_Mazon_7713_1_flo_138L0112_KickapooCreek_Lasalle	PJM	MISO,PJM
549	DresdnElwood1222_345_flo_DresdnElectric1223_345	PJM	MISO,PJM
551	17714_55_Hegewisch138_lo_Burnham_Sheffield345	PJM	MISO,PJM
552	CherryValley_SilverLake15616_345kV_line	PJM	MISO,PJM
554	Wilton_Center_xfmr_flo_Wilton_Center_Collins	PJM	MISO,PJM
556	StLine_Roxanna138_flo_WiltonCenter_Dumont765	PJM	MISO,PJM
562	Wilton_Center_TR94_765_345_kV	PJM	MISO,PJM
563	Wilton_Center_TR93_765_345_kV	PJM	MISO,PJM
568	Crescent_Rid_Corbin_138_I_o_Kewanee_Putnam_138_kV	PJM	MISO,PJM
575	Quad_City_Cordova_0402_345_line_I_o_QuadCity_Cordova_0403_345	MISO	MISO
576	Kewanee_6101_138_I_o_Mazon_7713_Crescent_Oglesby_138	PJM	MISO,PJM
582	5574_Kewanee_6101_Hennepin_Tap_138_LO_Nelson_Electric_Junction34	PJM	MISO,PJM
584	GardenPlains_15518_138kV_line_I_o_Nelson_TR84_345_138kV_transfor	PJM	MISO,PJM
585	Albany_Garden_Plain_138kV_I_o_345_138_Nelson_xfmr_84	PJM	MISO,PJM
586	Zion_Waukegan_2218_345kV_Line_I_o_Zion_Waukegan_2219_345kV_Line	PJM	MISO,PJM
587	Nelson_TR_84_loss_of_Nelson_H471_15504_345kV	PJM	MISO,PJM

588	Albany_Garden_Plain_138_I_o_Quad_Cities_H471_345		PJM	MISO,PJM
590	155_Nelson_TR82_345_138kV_I_o_Nelson_15507_Dixon_138kV		PJM	MISO,PJM
591	974_Zion_154_Libertyvil_15423_345kV_I_o_154_Libertyvil_117_P		PJM	MISO,PJM
592	Garden_Plain_138_flo_0405_Quad_Cities_Rock_Creek_345		MISO	MISO
593	Garden_Plain_138_flo_Quad_Cities_345		PJM	MISO,PJM
1006	Maries_161_138_kV_Base_Case		AECI	MISO,AECI
1015	Fairport_Osborn_161kV_flo_St_Joe_Hawthorn_345kV		AECI	MISO,AECI
1017	NewMadrid_Dell_for_loss_of_Shelby_Lagoon_Creek		AECI	MISO,AECI
1018	NewMadrid_Dell_for_loss_of_Ises_Dell		AECI	MISO,AECI
1019	NewMadrid_Dell_for_loss_of_Tiptonville		AECI	MISO,AECI
1020	New_Madrid_345_500_1_for_Loss_of_MarshallCumberland500		AECI	MISO,AECI
1021	New_Madrid_345_500_1_for_Loss_of_Shelby_LagoonCr500		AECI	MISO,AECI
1023	Volunteer_PhippsBnd500_FLO_Jefferson_Rockport765		TVA	MISO,TVA
1024	Volunteer_PhippsBnd500_FLO_Conasauga_Mosteler500		TVA	MISO,TVA
1025	Trimbl_Co_Clifty_Creek_345_Rockport_Jeffrsn_765		LGEE	MISO,LGEE
1026	Madison_Widows_Creek500_flo_Browns_Ferry_Maury_500kV		TVA	MISO,TVA
1030	Palmyra_345_161kV_XFMR_FLO_Adair_ThomasHill_161_kV		AECI	MISO,AECI
1031	Palmyra_345_161kV_XFMR_FLO_Hills_SubT_Louisa_345kV		AECI	MISO,AECI
1036	Shawnee_Marshall_500_flo_San_Souci_Shelby_500		TVA	MISO,TVA
1041	Essex_Lutesvill345kV_flo_Lutesvill_Kelso345kV		AECI	MISO,AECI
1042	Essex_Lutesville345kV_flo_Marshall_Cumberland500kV		AECI	MISO,AECI
1044	Fairport_Cooper345kV_flo_StJoe_Cooper345kV		AECI	MISO,AECI
1045	Fairport_StJoe345kV_flo_StJoe_Cooper345kV		AECI	MISO,AECI
1046	Fairport_Osborn161kV_flo_Fairport_StJoe345kV		AECI	MISO,AECI
1048	NewMadrid_Tiptonvill161_flo_Sansouci_Shelby500		TVA	MISO,TVA
1049	New_Madrid_500_345_XFMR2_flo_New_Madrid_500_345_XFMR1		AECI	MISO,AECI
1050	New_Madrid_500_345_XFMR1_flo_New_Madrid_500_345_XFMR2		AECI	MISO,AECI
1051	New_Madrid_345_161_XFMR1_flo_New_Madrid_345_161_XFMR2		AECI	MISO,AECI
1052	New_Madrid_345_161_XFMR2_flo_New_Madrid_345_161_XFMR1		AECI	MISO,AECI
1057	ThomasHill_Salisbury161_flo_ThomasHill_Higbee161		SWPP	MISO,SWPP
1058	Fairport_Hickory161_flo_Overton_Sibley345		AECI	MISO,AECI
1059	Fairport_Hickory161_flo_StJoe_Hawthorn345_Lakerd_Ala161		AECI	MISO,AECI
1060	Fairport_Hickory161kV_flo_Fairport_StJoe345kV		AECI	MISO,AECI
1061	Fairport_Gentry161kV_flo_StJoe_Midway161kV		AECI	MISO,AECI
1062	ThomasHill_Adair161kV_flo_Palmyra_Spencer345kV		AECI	MISO,AECI

1063	Blackberry_Jasper345kV_flo_Brookline_FlintCreek345kV	AECI	MISO,AECI
1064	Essex_NewMadrid345kV_flo_StFrancis_Gobbler345kV	AECI	MISO,AECI
1065	Franks_Huben345kV_flo_ANO_FtSmith500kV	AECI	MISO,AECI
1066	Franks_Huben345kV_flo_Overton_Sibley345kV	AECI	MISO,AECI
1070	California161_69XF_flo_Barnett_Apache161	AECI	MISO,AECI
1071	Enon_Ethlyn161_flo_Troy_Dardenne161	AECI	MISO,AECI
1072	MarionTap_Spalding161_flo_Palmyra345_161	AECI	MISO,AECI
1073	Dardenne_Troy161_flo_Ethlyn_Enon161	AECI	MISO,AECI
1074	StJoe_Fairport345_flo_StJoe_Cooper345	AECI	MISO,AECI
1075	Fairport_Darlington69_flo_Maryvil_Nodaway161	AECI	MISO,AECI
1076	Enon_Ethlyn161_flo_Montgomery_Spencer345	AECI	MISO,AECI
1077	Enon345_161_flo_Bellau345_161	AECI	MISO,AECI
1078	Dardenne_Troy161_flo_Enon345_161	AECI	MISO,AECI
1079	Warrenton_BigCreek161_flo_Enon_Montgomery345	AECI	MISO,AECI
1087	Enon_Ethlyn161_flo_Palmyra345_161	AECI	MISO,AECI
1088	ThomasHill_Adair161_flo_Palmyra345_161	AECI	MISO,AECI
1089	Adair_Novelty161_flo_Palmyra345_161	AECI	MISO,AECI
1090	Maries_OldMaries138_161_flo_Barnett_Eldon161	AECI	MISO,AECI
1091	SouthRiver_Muldrow69_flo_Spalding_Hannibal161	AECI	MISO,AECI
1095	OMU_Smith_345_138XFMR_flo_Wilson_Davies345	LGEE	MISO,LGEE
1096	Eldon_Barnett161_flo_Franks_Huben345	AECI	MISO,AECI
1098	Fairport345_161_flo_StJoe_Hawthorn345	AECI	MISO,AECI
1099	Barnett161_69_flo_Barnett_Gravois161	AECI	MISO,AECI
1308	Danvil_Dodson_115kV_ftlo__Mt_Olive_Layfield_500kV	MISO	MISO
1317	DardanelleDam_Dardanel_161kv_for_loss_of_ANO_FtSmith_500kv	MISO	MISO
1319	Couch_Lewisvil_115kV_FLO_ANO_FtSmith_500kV	MISO	MISO
1346	DanielSOCO_McKnight	SOCO	MISO,SOCO
1351	NewMadrid_Dell	AECI	MISO,AECI
1357	Couch_Lewisvil_115kV_FLO_DoletHills_SWSHreveport_345kV	MISO	MISO
1365	WestMemphis_BirminghamSteel_ftlo_Dell_SansSouc	TVA	MISO,TVA
1366	NewMadrid_Dell_for_loss_of_Marshall_Cumberland	AECI	MISO,AECI
1367	NewMadrid_Dell_for_loss_of_Shawnee_Marshall	AECI	MISO,AECI
1501	8BRADLEYTN500_8CONASAUGA500	TVA	MISO,TVA
1510	8NORCROS_500_80CONEE_500_1	SOCO	MISO,SOCO
1526	3COLLINS115MAGEE31151	SOCO	MISO,SOCO

1528	RDT	ONLY_Daniel_Mc_Knight_500kV_flo_Miller_WVern_500kV	SOCO	MISO,SOCO
1545		LogtownSlidell_230_flo_DanielMcKnight_500	SOCO	MISO,SOCO
1556	6KILN_230_6LOGTWN_W_230_FTLO_6FANCY_230_6RVRBN_230		SOCO	MISO,SOCO
1557	6WATSON_230_6KILN_230_FTLO_8BOGALUS_500_8FRKLIN_500		SOCO	MISO,SOCO
1559	6DANIEL_230_6MOSSPTE230_FTLO_6NWDIBVL6230_6WADESS230		SOCO	MISO,SOCO
1560	6MOSSPTE230_6NTHEO6230_FTLO_6BIGCK6230_6DANIEL230		SOCO	MISO,SOCO
1561	6OCNSPNE230_6WATSON230_FTLO_6NWDIBVL6230_6WADESS230		SOCO	MISO,SOCO
1562	6WADESS230_6NWDIBVL6230_FTLO_6WATSON230_6OCNSPNE230		SOCO	MISO,SOCO
1563	6GREENCO6_230_6LAUDRDLE_230_FTLO_6GREENCO6_230_6\$YKES_SS_230		SOCO	MISO,SOCO
1564	6PURVIS_230_6HURR_230_230_FTLO_8DANIEL_500_6DANIEL_230		SOCO	MISO,SOCO
1565	6WADE_SS_230_6BARRY_6_230_FTLO_6BIG_CK_6_230_6DANIEL_230		SOCO	MISO,SOCO
1566	6DANIEL_230_6BIG_CK_6_230_FTLO_6DANIEL_230_6WADE_SS_230		SOCO	MISO,SOCO
1567	3MCSW115115_6MCSW230230_FTLO_6CHATOM230_6LOWMAN230		SOCO	MISO,SOCO
1568	3MCSW115115_6MCSW230230_FTLO_6MCSW230230_3MCSW115115		SOCO	MISO,SOCO
1569	6OPP230_6PINCK6230_FTLO_8SNOWDN8500_8FARLEY8500		SOCO	MISO,SOCO
1570	3MAGREE115_3COLLINS115_FTLO_6HATBGSW230_6PURVIS230		SOCO	MISO,SOCO
1571	8SHALL500_6SHALL230_FTLO_8NORCROSS500_8SHALL500		SOCO	MISO,SOCO
1572	Vogtl_Savannah_River_230_kv_flo_Purrysburg_McIntosh_230_kv		SOCO	MISO,SOCO
1573	6VOGTLE230_6SRS2230_FTLO_8OCONEE500_8SHALL500		SOCO	MISO,SOCO
1574	6RACCOONCK230_6MITCHELL230_FTLO_8NTIFTON500_8RACCOONCK500		SOCO	MISO,SOCO
1575	8BRADLEYTN500_8CONASAUGA500_FTLO_8OCONEE500_8SHALL500		TVA	MISO,TVA
1576	8MILLER8500_8EPOINTAL500_FTLO_8BRADLEYTN500_8CONASAUGA500		SOCO	MISO,SOCO
1577	8MILLER8500_8EPOINTAL500_FTLO_8LOWNDESMS500_8VALLEYVIEW500		SOCO	MISO,SOCO
1578	8MILLER8500_8EPOINTAL500_FTLO_8MILLER8500_8WVERNSS500		SOCO	MISO,SOCO
1582	8FARLEY8500_6FARLEY6230_FTLO_8FARLEY8500_6FARLEY6230		SOCO	MISO,SOCO
1583	6BARRY6230_3BARRY3115_FTLO_6WMCTSH6230_6CALVRTSS230		SOCO	MISO,SOCO
1584	3BARRY3115_3MTVERNDS115_FTLO_6WMCTSH6230_6CALVRTSS230		SOCO	MISO,SOCO
1585	6ELLCOTT230_6CALVRTSS230_FTLO_6ELLCOTT230_6BUCKSSS230		SOCO	MISO,SOCO
1586	6ELLCOTT230_6BUCKSSS230_FTLO_6ELLCOTT230_6CALVRTSS230		SOCO	MISO,SOCO
1587	6HURR230230_3HURR115115_FTLO_6HATBGSW230_6PURVIS230		SOCO	MISO,SOCO
1588	3HURR115115_3WIGNSSS115_FTLO_6HATBGSW230_6PURVIS230		SOCO	MISO,SOCO
1589		Kiln_NasaN_115_flo_Kiln_LogtownW_230	SOCO	MISO,SOCO
1590	3NASASO115_3LOGTWNW115_FTLO_6KILN230_6LOGTWNW230		SOCO	MISO,SOCO
1591	8OCONEE500_8SHALL500_FTLO_6BIO230_6HWENERGY230		SOCO	MISO,SOCO
1592	6LOGTWNW230_3LOGTWNW115_FTLO_6KILN230_6LOGTWNW230		SOCO	MISO,SOCO

1593	3LOGT	WNW115_3NASASO115_FTLO_6KILN230_6LOGTWN	NW230	SOCO	MISO,SOCO
1595	6DANIEL	230_8DANIEL500_FTLO_6FANCY230_6RVRBN	230	SOCO	MISO,SOCO
1596	6DANIEL	230_8DANIEL500_FTLO_6KILN230_6WATSON	230	SOCO	MISO,SOCO
1597	8OCONEE	500_8SHALL500_FTLO_6RUSSEL230_6LEXINGTON	230	SOCO	MISO,SOCO
1598	6WATSON	_230_6KILN_230_FTLO_8DANIEL_500_8MCKNIGHT	_500	SOCO	MISO,SOCO
1599	6DANIEL	230_6MOSSPTE230_FTLO_6BIGCK6230_6DANIEL	230	SOCO	MISO,SOCO
1613		Volunteer_Phipps_Bend_500		TVA	MISO,TVA
1644		Bull_Run_Volunteer_500kV		TVA	MISO,TVA
1660	Coleman_Tap	Paducah_Primary_161_kV_flo_Shawnee_Marshall_500_kV		LGEE	MISO,LGEE
1661		Living_Earlinton161_flo_Livings_Crittenden161		LGEE	MISO,LGEE
1663		Oran_Moreley161_flo_Essex_Lutesville345		AECI	MISO,AECI
1664		MarionTap_Spalding161_flo_ThomasHill_Adair161		AECI	MISO,AECI
1665		OldMaries_Maries138_flo_LooseCreek_Mariosa345		AECI	MISO,AECI
1666		Cooper_Fairport345_flo_StJoe_Cooper345		AECI	MISO,AECI
1667		Fairport_Gentry161_flo_Fairport_Cooper345		AECI	MISO,AECI
1668		Kisker_Cottevill161_flo_Enon345_161		AECI	MISO,AECI
1669		Kisker_Cottleville161_flo_Belleau_Enon345		AECI	MISO,AECI
1671		Adair_Novelty161_flo_Montgomery_Spencer345		AECI	MISO,AECI
1672		Nodaway_Gntry161_flo_Fairport161_345		AECI	MISO,AECI
1673		Spalding161_69_flo_SouthRiver_Palmyra161		AECI	MISO,AECI
1676		Fairport_Gentry161_flo_Palmyra_SubT345		AECI	MISO,AECI
1678		StFrancis_GobblerKnob345_flo_Lutesvil_StFrancis345		AECI	MISO,AECI
1679		Fredericktown_Wedekind161_flo_Lutesvil_StFrancois345		AECI	MISO,AECI
1680		StFrancis_GobblerKnob345_flo_SanSouci_Shelby500		AECI	MISO,AECI
1682		Essex345_161_flo_Essex_Lutesvill345		AECI	MISO,AECI
1684		Fairport345_161XF_flo_StrangrCreek_Iatan345		AECI	MISO,AECI
1685	Fredericktown	FredericktownTap161_flo_7EWFKFT_ShawneeF	airport345	AECI	MISO,AECI
1686		Hannibal_Spalding161_flo_Enon345_161XF		AECI	MISO,AECI
1687		Kisker_Cottleville161_flo_Belleau_Sioux345		AECI	MISO,AECI
1689		Huben345_161XF_flo_Morgan_Brookline345		AECI	MISO,AECI
1690		Lutesvil_Essex345_flo_Marshall_Cumberland500		AECI	MISO,AECI
1691		Troy_Dardenne161_flo_Belleau_Enon345		AECI	MISO,AECI
1694		MissouriCity_ExcelsiorSprings161_flo_Overton_Sibley345		AECI	MISO,AECI
1695		StFrancis_GobblerKnob345_flo_ANO_FtSmith500		AECI	MISO,AECI
1696		Cottlevil_Kisker161_flo_Belleau_Enon345		AECI	MISO,AECI

1697	Fairport345_161XF_flo_Marvill_Nodaway161	AECI	MISO,AECI
1805	8OCONEE500_8SHALL500_FTLO_8BRADLYTN500_8CONASAUGA500	SOCO	MISO,SOCO
1806	Purrysburg_McIntosh_230_flo_SavannahRiver_Vogtl_230	SOCO	MISO,SOCO
1808	Purrysburg_McIntosh_230kV_flo_Bradley_Conasauga_500kV	SOCO	MISO,SOCO
1809	Purrysburg_McIntosh_230kV_flo_Oconee_SouthHall_500kV	SOCO	MISO,SOCO
1810	6LOGTWNW230_6FRNBRA230_FTLO_8FRENCHCAMP500_8CHOCTAWMS500	SOCO	MISO,SOCO
1811	McIntosh_Purrysburg_230_kv_flo_Jasper_McIntosh_115_kv	SOCO	MISO,SOCO
1812	McIntosh_Purrysburg_230_kv_flo_Canadys_Savannah_River_230_kv	SOCO	MISO,SOCO
1816	HarrisSS_N_Selma_230_flo_Duncanvill_Greene_County_230	SOCO	MISO,SOCO
1818	Ocean_Springs_Watson_230_flo_Daniel_McKnight_500	SOCO	MISO,SOCO
1824	Harris_SS_N_Selma_230_kv_flo_S_Bessemer_500_230_kv	SOCO	MISO,SOCO
1897	Daniel_McKnight_500_flo_Franklin_McKnight_500kV	SOCO	MISO,SOCO
1898	Daniel_230_500_Transformer_flo_FRANKLIN_G_GULF_500	SOCO	MISO,SOCO
1909	LibertyGillsberg_115_ftlo_FranklinBogalusa500	MISO	MISO
1910	Fancy_Auto_500_230__for_the_loss_of_McKnightColy_500__	MISO	MISO
1914	White_Bluff_Keo_500_kv_for_the_loss_of_Sheridan_Mabelva_500_kv	MISO	MISO
1973	Russellvil_E_Russellvil_S_161kv_FTLO_ANO_Ft_Smith_500kv	MISO	MISO
2000	CliftyCrk_Dearborn1_345_lo_HangRock_Jefferson765	PJM	MISO,PJM
2089	Clifty_Creek_Trimb_County_345	LGEE	MISO,LGEE
2092	Cloverport_Green_River_Steel_138	LGEE	MISO,LGEE
2204	Burnham_Munster_flo_EastFrank_Crete	PJM	MISO,PJM
2205	Burnham_Munster_flo_Braidwood_E_Frankfort	PJM	MISO,PJM
2206	Burnham_Munster_345_kv_L_O_East_Frankfort_UP_North_345_kv	PJM	MISO,PJM
2268	Smith_Green_River_Steel_138_flo_Smith_345_138_Xfmr	LGEE	MISO,LGEE
2285	Paddys_West_Paddys_Run_138	LGEE	MISO,LGEE
2286	Burnham_Munster_345_flo_Dumont_Wilton_Center_765	PJM	MISO,PJM
2288	Burnham_Sheffield345_flo_Dumont_WiltonCenter765	PJM	MISO,PJM
2294	Clifty_Crk_Carrollton_138_flo_Bakr_Broadford_765	LGEE	MISO,LGEE
2299	Dumont_Stillwell_345_flo_Dumont_Wilton_Center_765	PJM	MISO,PJM
2300	Westwood_345_138_BK1_flo_Westwood_345_138_BK2	PJM	MISO,PJM
2340	TwinBranchArgenta345kv_lo_CookSegreto345_kv	PJM	MISO,PJM
2343	TwinBranchArgenta345kv_lo_CookSegreto345kv_BentonHarbor_S	PJM	MISO,PJM
2349	TwinBranchArgenta345kv_lo_CookSegreto345_Cook_Benton_Ha	PJM	MISO,PJM
2381	TwinBranch_Argenta345_flo_BentHarbor_Palisade345	PJM	MISO,PJM
2393	Crete_St_John_345_kv_line	PJM	MISO,PJM

2417	J_Ferry_Antioch_500kV_Broadford_Sullivan_500_kv	PJM	MISO,PJM
2428	Crete_StJohn_flo_Burnham_Munster	PJM	MISO,PJM
2429	Crete_StJohn_flo_Burnham_Sheffield	PJM	MISO,PJM
2442	Paradise_BR_Tap_161kV_flo_Phipps_Bend_Volunteer_500kV	MISO	MISO
2445	Batesvil_Hubbl_138kV_flo_Tanners_Creek_Miami_Fort_345kV	MISO	MISO
2457	Cayuga_345_230_XFMR_9_flo_Cayuga_345_230_XFMR_10	MISO	MISO
2484	Northside_Clify_Crk138_flo_Trimbl_Clifty_Crk345	LGEE	MISO,LGEE
2497	State_Line_Wolf_Lake_138	PJM	MISO,PJM
2516	Burnham_Munster345	PJM	MISO,PJM
2530	Pierce_Beckjord138_ckt1889_flo_Pierce_Foster345	PJM	MISO,PJM
2563	StLine_Roxana_138kV_flo_Sheffield_345by138kV_xf	PJM	MISO,PJM
2566	MiamiFt_345by138kV_xf9_flo_Tanner_Drborn_345kV	PJM	MISO,PJM
2569	Stateline_WolfLake138_flo_Burnham_Munster345	PJM	MISO,PJM
2577	Roxana_Praxair_138_flo_Wilton_Center_Dumont_765	MISO	MISO
2581	Roxana_Praxair_138_flo_Gary_Ave_Sheffield_345kV	MISO	MISO
2584	Stateline_Roxana_138_flo_GaryAve_Sheffield_345	PJM	MISO,PJM
2586	StateLine_Roxanna_138_flo_StateLine_WolfLake_138	PJM	MISO,PJM
2596	StateLine_WolfLake_138_flo_GaryAve_345_138_Xfm	PJM	MISO,PJM
2600	WMemphis_BirminghamSteel500_flo_Independence_Dell500	TVA	MISO,TVA
2601	WMemphis_BirminghamSteel500_flo_Shelby_SansSouci500	TVA	MISO,TVA
2608	WidowsCreek_Sequoyah500_flo_MauryTN_BrownsFerry500	TVA	MISO,TVA
2609	Clay_WestPoint500_flo_Clay500_161XFMR	TVA	MISO,TVA
2610	Clay_WestPoint500_flo_Freeport_BirminghamSteel500	TVA	MISO,TVA
2611	Freeport500_161XFMR_flo_Freeport_Cordova500	TVA	MISO,TVA
2612	Freeport_Cordova500_flo_Independence_Dell500	TVA	MISO,TVA
2613	Freeport_Cordova500_flo_McAdams_WolfCreek500	TVA	MISO,TVA
2614	BullRun_Volunteer500_flo_WBN_Volunteer500	TVA	MISO,TVA
2617	ValleyView_Lowndes500_flo_WestPoint_BrownsFerry500	TVA	MISO,TVA
2620	Shawnee_Marshall500_flo_NewMadrid_Dell500	TVA	MISO,TVA
2634	Batesvil_EastBatesville161_flo_Batesvil_Oxford161	TVA	MISO,TVA
2636	Caldwell_Barkley161_flo_Wilson_Reid345	TVA	MISO,TVA
2637	Caldwell_Barkley161_flo_EastWFrankfort_Shawnee345	TVA	MISO,TVA
2638	Clay_Aberdeen161_flo_WestPoint_Clay500	TVA	MISO,TVA
2639	WestPoint_StarilleSS161_flo_WestPoint_Clay500	TVA	MISO,TVA
2640	StarilleSS_WestPoint161_flo_WestPoint_Clay500	TVA	MISO,TVA

2644	BREC_Paradise_Tap_Paradise_FP_161_kV_flo_Barkly_Princeton_161_k	MISO	MISO
2647	Monroe_Lallendorf_345kVfloMoroc_Monroe_Milan345kV	MISO	MISO
2648	RDT_ONLY_West_New_Madrid_345_500_flo_New_Madrid	TVA	MISO,TVA
2649	RDT_ONLY_West_New_Madrid_500_345_flo_New_Madrid_W_New_Madrid_500	AECI	MISO,AECI
2650	RDT_ONLY_W_New_Madrid_500_345_flo_New_Madrid_West_New_Madrid_345	AECI	MISO,AECI
2655	Gobbler_Knob_Fletcher_345_kV_flo_Essex_West_New_Madrid_345	AECI	MISO,AECI
2662	Freeport_500_161_kV_XFMR_FLO_Shelby_Sans_Souci_500_kV_line	TVA	MISO,TVA
2664	State_Line_Roxana_138_l_o_Burnham_Sheffield345	PJM	MISO,PJM
2673	Fairport_Osborn_161_flo_Eastown_latan_345	AECI	MISO,AECI
2674	Palmyra_345_161_FLO_Maywood_Herleman_345KV	AECI	MISO,AECI
2677	Paradise_Big_River_Tap_FLO_Wilson1	MISO	MISO
2679	Goodland_Reynolds_138_flo_Bunsonvil_Eugene_345	MISO	MISO
2680	Chicago_Praxair_13831_flo_WiltonCenter_Dumont765	MISO	MISO
2681	Petenwell_ACECBadgrWest138kV_FLO_Arpin_Sigl138kV	MISO	MISO
2682	Petenwell_ACECBadgrWest138kV_FLO_BriggsRd_NMadison345kV	MISO	MISO
2683	Petenwell_ACECBadgrWest138kV_FLO_EauClaire_Arpin345kV	MISO	MISO
2684	Petenwell_ACECBadgrWest138kV_FLO_King_EauClaire345kV	MISO	MISO
2751	MOPI_FG2340	PJM	MISO,PJM
2752	MOPI_FG2349	PJM	MISO,PJM
2753	MOPI_FG2381	PJM	MISO,PJM
2755	MOPI_FG2647	MISO	MISO
2756	MOPI_FG2951	PJM	MISO,PJM
2757	MOPI_FG2983	PJM	MISO,PJM
2801	BrownN_Alcalde345_flo_Baker_Broadford765	LGEE	MISO,LGEE
2802	Buckner_Middletown345_flo_TrimbleCounty_CliftyCreek345	LGEE	MISO,LGEE
2803	Calvert_Livingston161_flo_KentuckyDam_Livingston161	LGEE	MISO,LGEE
2804	GreenRiver_RiverQueenTap161_flo_GreenRiver_CorydonTap161	LGEE	MISO,LGEE
2806	Hardinsburg_NewHardinsburg138_flo_Cloverport_NewHardinsburg138	LGEE	MISO,LGEE
2807	KentuckyDam_Livingston161_flo_Calvert_Livingston161	LGEE	MISO,LGEE
2808	Livingston_Crittenden161_flo_Livingston_NorthPrinceton_161	LGEE	MISO,LGEE
2809	Pinevill345_500Xfm_flo_Baker_Broadford765	LGEE	MISO,LGEE
2810	RiverQueen_EarlingtonN161_flo_GreenRiver_CorydonTap_Madfield161	LGEE	MISO,LGEE
2811	TrimbleCounty_Buckner345_flo_TrimbleCounty_Middletown345	LGEE	MISO,LGEE
2812	TrimbleCounty_Middletown345_flo_Buckner_Middletown345	LGEE	MISO,LGEE
2813	WestLexington345_138_flo_BrownNorth_WestLexington345	LGEE	MISO,LGEE

2816	TrimbleCounty_CliftyCreek345_flo_TrimbleCounty_Ghent345	345	LGEE	MISO, LGEE
2818	CliftyCreek_TrimbleCounty345_flo_NorthClark_Spurlock345	345	LGEE	MISO, LGEE
2819	CliftyCreek_Carrollton138_flo_CliftyCreek_TrimbleCounty345	345	LGEE	MISO, LGEE
2820	CliftyCreek_Carrollton138_flo_TrimbleCounty_Ghent345	345	LGEE	MISO, LGEE
2821	CliftyCreek_Northside138_flo_CliftyCreek_TrimbleCounty345	345	LGEE	MISO, LGEE
2822	Smith_DaviessCounty345_flo_GreenRiverSteel_Smith138	138	LGEE	MISO, LGEE
2824	NPrincetn_EarlingtnN161_flo_Mgfield_CrittendenCo_LivingstonCo161	161	LGEE	MISO, LGEE
2830	TrimbleCounty_CliftyCreek345		LGEE	MISO, LGEE
2833	GreenRiverSteel_Cloverport138_flo_Coleman_DaviessCounty345	345	LGEE	MISO, LGEE
2834	Wilson_Matanzas161_flo_GreenRiver_Wilson161	161	LGEE	MISO, LGEE
2837	Wilson_GreenRiver161_flo_Matanzas_Wilson161	161	MISO	MISO
2838	Matanzas_Wilson161_flo_GreenRiver_Wilson161	161	LGEE	MISO, LGEE
2846	Bayshore_345_138kV_T2_loss_of_Bayshore_345_138kV_T1	T1	PJM	MISO, PJM
2883	Green_River_River_Queen_Tap_161		LGEE	MISO, LGEE
2884	GreenRiver_Stl_Cloverprt138_flo_Smith_Hardin345	345	LGEE	MISO, LGEE
2908	Miami_Fort_345_138_Xfm_flo_East_Bend_Terminal_345	345	PJM	MISO, PJM
2951	Twin_Branch_Argenta_345_flo_CookB_Harbor_345	345	PJM	MISO, PJM
2973	SmithXmf_flo_Hardinsburg_HardinCo138	138	LGEE	MISO, LGEE
2975	Crete_St_Johns_Tap_345_kv_I_o_Dum_Wi_Cent_765_kv		PJM	MISO, PJM
2977	Buckner_Middletown_345_flo_Trimbl_County_Middletown_345	345	LGEE	MISO, LGEE
2979	Ghent_NAS_138_flo_Ghent_W_Frankfort_345	345	LGEE	MISO, LGEE
2983	Beaver_Davis_Besse_345	345	PJM	MISO, PJM
3075	Arpin_Sigel138_flo_Arpin_RockyRun345	345	MISO	MISO
3085	MoberlyTap_Moberly161_flo_ThomasHill_Salisbury161	161	MISO	MISO
3175	Palmyra_345_161_Xfm_flo_Montgomery_Spencer_345	345	AECI	MISO, AECI
3200	0622_ByronCherry_Valley_345_kv_L_O_0624_ByronWempletown_345	345	PJM	MISO, PJM
3216	0621_Byron_ChV_B_for_0622_Byr_ChV_R		PJM	MISO, PJM
3217	0621_Byron_ChV_B_for_0624_Byr_Wemp		PJM	MISO, PJM
3218	0622_Byron_ChV_R_for_0621_Byr_ChV_B		PJM	MISO, PJM
3227	0404_Quad_H471_for_15503_Cordo_Nelson		PJM	MISO, PJM
3245	15616_Cher_Silv_for_15502_Nels_EJ		PJM	MISO, PJM
3250	15502_Nels_EJ_for_15616_Cher_Silv		PJM	MISO, PJM
3268	Munster_Burnham345_flo_Dumont_WiltonCenter765	765	PJM	MISO, PJM
3270	State_Line_Wolf_Lake_138_flo_Burnham_Sheffield_345	345	PJM	MISO, PJM
3271	State_Line_Wolf_Lake_138_flo_Wilton_Center_Dumont_765	765	PJM	MISO, PJM

3272	StateLine_WolfLake138_flo_Sheffield345_138xfmr	PJM	MISO,PJM
3274	Nelson_ElectricJct345_flo_Byron_CherryValley345	PJM	MISO,PJM
3288	State_Line_345_138_TR82_lo_Blue_IsInd_Burnham_345_Blue_IsIndTR81	PJM	MISO,PJM
3289	Byron_Cherry_Valley_0621_345kV_l_o_Nelson_Electric_Junction_1550	PJM	MISO,PJM
3291	135_Nelson_345_138kV_TR82_flo_Byron_LeeCo_345kV	PJM	MISO,PJM
3293	Byron_Wempletown_0624_345_kV_line_flo_Byron_Cherry_Valley_0621_3	PJM	MISO,PJM
3294	Crescent_7713_138kV_line_for_l_o_Lockport_Kendall_10805_345kV_	PJM	MISO,PJM
3295	Todhunter_345_138kV_15_Xfmr_l_o_Todhunter_345_138kV_17_Xfmr	PJM	MISO,PJM
3296	Wempletown_345_138kV_84_xfmr_l_o_Byron_Cherry_Valley_0621_345kV	PJM	MISO,PJM
3297	974_Zion_22_Zion_345kV_l_o_Pleasant_Prairie_22_Zion_345kV	PJM	MISO,PJM
3299	Todhunter_345_138_17_Xfmr_loss_of_Todhunter_345_138_15Xfmr	PJM	MISO,PJM
3326	PleasantPrairie_ZionEc345_FLO_PleasantPrairie_Zion345	MISO	MISO
3335	PleasantPrairie_Zion_345kV_flo_PleasantPrairie_Zion_EC_345kV	MISO	MISO
3431	Stillwell_Dumont345_flo_WiltonCenter_Dumont765	PJM	MISO,PJM
3644	Todhunter_Trenton138_flo_TannersCreek_Xfmr_AB	PJM	MISO,PJM
3646	Nucor_Whitestown_345_flo_Rockport_Jefferson_765	MISO	MISO
3825	ATC_Presque_Isl_Area_Import_Interface	MISO	MISO
5128	FORMAN_FORMAN_115kV_TIE_FLO_HANKSON_WAHPETON_230kV	SWPP	MISO,SWPP
5133	EROAVOBEAWAS	SWPP	MISO,SWPP
5143	Raun_FT_Cal_FTLO_BeverCo_Grimes	SWPP	MISO,SWPP
5212	SabSemPirDia	SWPP	MISO,SWPP
5217	SARELHVALLYD	SWPP	MISO,SWPP
5221	RedWillMingo	SWPP	MISO,SWPP
5223	TahH59MusFts	SWPP	MISO,SWPP
5267	RussevilleSouth_DardanelleDam_161kV_flo_ANO_FtSmith_500kV	MISO	MISO
5320	WELLYDWELNWT	SWPP	MISO,SWPP
5375	Neosho_Riverton_161_kV_ftlo_Neosho_Blackberry_345_kV	SWPP	MISO,SWPP
5401	South_Shreveport_Wallace_Lake_138kV_flo_Dolet_Hills_345_230kV_T1	SWPP	MISO,SWPP
5426	FULPATLONSAR	SWPP	MISO,SWPP
5496	Eastown345_161kV_XFR_ftlo_Eastown_StJoe345kV	SWPP	MISO,SWPP
5501	CouncilBluffs_Sub3456_345_ftlo_RollingHills_OrientWind345	SWPP	MISO,SWPP
5502	CouncilBluffs_Sub3456_345_ftlo_ArbHill_Raccn_345	SWPP	MISO,SWPP
5508	NEBS56S40S55	SWPP	MISO,SWPP
5509	SIOTWIRAUHOS	SWPP	MISO,SWPP
5510	SIDOGASIDKEY	SWPP	MISO,SWPP

5514	ARSMCWARSTRI	SWPP	MISO,SWPP
5526	Red_Willow_Mingo_345_ftlo_Axtell_Post_Rock_345	SWPP	MISO,SWPP
5527	Knoll_N_Hays_115_kv_ftlo_Post_Rock_S_Hays_230_kv	SWPP	MISO,SWPP
5537	PATFULSARLON	SWPP	MISO,SWPP
5538	MOBSALTHHSAL	MISO	MISO
5540	EROAVOWASNEO	SWPP	MISO,SWPP
5566	Cooper_StJoe345_ftlo_Cooper_Fairport_StJoe345_Fairport345_161xf	SWPP	MISO,SWPP
5569	Stegall_XFR_345_230	SWPP	MISO,SWPP
5577	TEMP82_Nashua_345_161kv_FTLO_Nashua_Hawthorn_345kv	SWPP	MISO,SWPP
5599	DARCLAAOFTS	SWPP	MISO,SWPP
5618	TURXFRSARLON	SWPP	MISO,SWPP
5642	JEFHOYAUBJEF	SWPP	MISO,SWPP
5646	Beatrice_Harbine_115kv_ftlo_Crete_Sheldon_115kv	SWPP	MISO,SWPP
5651	OGAGENKEYGEN	SWPP	MISO,SWPP
5658	LYDVALNWTVAL	SWPP	MISO,SWPP
5661	PITVALSUNHUG	SWPP	MISO,SWPP
5665	Raun_Tekamah_161kv_ftlo_Raun_Ft_Cal_345kv	SWPP	MISO,SWPP
5708	WBURGE1_WAFB_161kv_FTLO_Sibley_Overton_345kv	SWPP	MISO,SWPP
5717	TMP269_CHARLIE_CREEK_WATFORD_FTLO_CHARLIE_CREEK_PATENT_GATE	SWPP	MISO,SWPP
5725	Fargo_Sheyenne_230kv_ftlo_Buffalo_Jameston_345kv	SWPP	MISO,SWPP
5732	Dakota_Marmoton_161kv_ftlo_Lacygne_Neosho_345kv	SWPP	MISO,SWPP
5736	LACYGNE_NEOSHO_345_FLO_LACYGNE_WGRDNR_345	SWPP	MISO,SWPP
5740	WICHITA_BENTON_345kv_FLO_VIOLA_RENFROW_345kv	SWPP	MISO,SWPP
5749	70BS12WAGS34	SWPP	MISO,SWPP
6001	NDEX	SWPP	MISO,SWPP
6002	MHEX_S	MISO	MISO
6003	MHEX_N	MISO	MISO
6007	GENTLMN3_345_REDWILO3_345_1	SWPP	MISO,SWPP
6012	PRI_NRH	MISO	MISO
6060	Riel_Roseau_Forbes_500kv_M602F_	MISO	MISO
6061	R50M_230KV	MISO	MISO
6072	L20D_230kv	MHEB	MISO,MHEB
6126	S1226_Tekamah_161kv_ftlo_S3451_Raun_345kv	SWPP	MISO,SWPP
6152	SJoe_Mdw_161_ftlo_Frprt_Cooper_and_Frprt_SJoe_345	SWPP	MISO,SWPP
6160	LaVerendry_Ltellier_230kv_line_Y51L	MHEB	MISO,MHEB

6192	Arrowhead_StoneLake345kV	MISO	MISO
6193	MWEX	MISO	MISO
6200	Adams_BeaverCreek_FLO_MitchellCounty_Hazleton345	MISO	MISO
6212	Glenboro_Cornwl_G37C_FLO_Forbes_Roseau_Dorsey	MHEB	MISO,MHEB
6214	BungeHastings_161kV_FLO_Cooper_StJoe_345kV	MISO	MISO
6235	Center_Jamestown_345kV	MISO	MISO
6237	Audubon_Hubbard_230kV	MISO	MISO
6238	BungeHastings161kV_FLO_StJoe_Fairport_Cooper345kV	MISO	MISO
6350	NORFORK_SOUTHLAND_161_FLO_HARRISONEAST_HILLTOP_161	MISO	MISO
6526	Henry_Newcastle138_flo_Noblesvill_SAnderson	MISO	MISO
6575	Forbes_Chisago_601F_500kV	MISO	MISO
6723	Bull_Shoals_Midway_161Kv_ftlo_Norfork_Bull_Shoals_161kV	MISO	MISO
6781	Couch_Lewisvill_115_flo_Sarepta_Longwood_345	MISO	MISO
6785	6ANGIE230_6HATBGSW230_FTLO_6FRNBRA230_6SLIDEL230	SOCO	MISO,SOCO
6786	6ANGIE230_6HATBGSW230_FTLO_8MCADAM500_8WOLFDRK500	SOCO	MISO,SOCO
6793	6HATBGSW230_6ANGIE230_FTLO_6FRNBRA230_6LOGTWNW230	SOCO	MISO,SOCO
6795	6DANIEL230_8DANIEL500_FTLO_6FRNBRA230_6LOGTWNW230	SOCO	MISO,SOCO
6796	6DANIEL230_8DANIEL500_FTLO_8MCKINT500_8FRKLIN500	SOCO	MISO,SOCO
6800	6PURVIS_230_6HURR_230_230_FTLO_6FRNBRA_230_6LOGTWN_W_230	SOCO	MISO,SOCO
6834	ANO_500_161_Xfmr_ftlo_ANOPleasant_Hills_500	MISO	MISO
6839	Grapeland_Slocum138kV_flo_Lebrock_Tenaska345kV	SWPP	MISO,SWPP
7009	ONT_FRONTIER	IMO	MISO,IMO
7101	BLIP_Buchanan_Longwood_Input_	IMO	MISO,IMO
7102	QFW_Queenston_Flow_West_	IMO	MISO,IMO
7104	NEGATIVE_BLIP_Negative_Buch_Lgwd_Input_	IMO	MISO,IMO
7106	FRONTIER_ONT	IMO	MISO,IMO
7111	ONTARIO_MISO_EXPERIMENTAL	IMO	MISO,IMO
7112	MISO_ONTARIO_EXPERIMENTAL	IMO	MISO,IMO
9084	ITC_ONT	IMO	MISO,IMO
9156	NYIS_ONT	IMO	MISO,IMO
9159	ONT_ITC	IMO	MISO,IMO
9160	ONT_NYIS	IMO	MISO,IMO
16886	RDT_ONLY_Volunteer_Phipps_Bend_500kV_FLO_Sequoyah_Bradley_500kV	TVA	MISO,TVA
17480	RDT_ONLY_Volunteer_Phipps_Bend_500_FLO_Baker_Broadford_765	TVA	MISO,TVA
17530	RDT_ONLY_Volunteer_to_Phipps_Bend_500_flo_Volunteer_500_161_xfmr	TVA	MISO,TVA

17564	Volunteer_Phipps_Bend_500_flo_Mountaineer_1	TVA	MISO,TVA
17571	RDT_ONLY_WattsBar_BullRun_500kV_FLO_WattsBar_Volunteer_500kV	TVA	MISO,TVA
17575	RDT_ONLY_Widows_Creek_Madison_500_FLO_Maury_Browns	TVA	MISO,TVA
17609	Widows_Creek_to_Sequoyah_500kV	TVA	MISO,TVA
17884	Volunteer_Phipps_Bend_FLO_Cullod_Wyoming_765	TVA	MISO,TVA
17967	Widows_Creek_500_161_Xfmr_flo_Widows_Creek_Sequoyah_500	TVA	MISO,TVA
19146	Smith_138_345_Xfmr_flo_Green_River_Cloverport_138	LGEE	MISO,LGEE
20032	Palmyra_345_161kV_XFMR	AECI	MISO,AECI
20581	Fairport_Gentry_161kV_flo_St_Joe_Hawthorn_345kV	AECI	MISO,AECI
20603	OMU_Smith_138_345_kV_XFMR_flo_Coleman_Newtonvil_161_kV	LGEE	MISO,LGEE
20678	Batesville161_115_XFMR_flo_Batesville161_230XFMR	TVA	MISO,TVA
20708	Batesvil_Tallahatchie_Ind_Pk_161kV_flo_Choctaw_Clay_500	TVA	MISO,TVA
20831	Palmyra_345_161_XFMR_flo_Montgomery_Enon_Belleau_345	AECI	MISO,AECI
20892	Batesvil_Tallahatchie_Ind_161_flo_Batesvil_230_161_XFMR	TVA	MISO,TVA
20919	Kisker_161_138_TR_FLO_Montgomery_Labadie_345	AECI	MISO,AECI
21078	Fairport_Osborn_161_kV_FLO_St_Joe_Cooper_345	AECI	MISO,AECI
21168	Mayfield_Paris_161_FLO_Marshall_Cumberland_500	TVA	MISO,TVA
21203	Volunteer_500_161kV_Xfmr_1_flo_Volunteer_500_161kV_Xfmr_2	TVA	MISO,TVA
21278	Palmyra_345_161_kV_TR_BK_FLO_OTTUMWA_MONTEZUMA_345_KV	AECI	MISO,AECI
21410	South_Hays_Mulgreen_230_kV_ftlo_Postrock_Spearvil_345_kV	SWPP	MISO,SWPP
21463	Batesvil_Tallahatchie_161_flo_Freeport_500_161_XFMR	TVA	MISO,TVA
21502	Corbalt_Brokaw_GBCS_1_2_138Kv_flo_Vermilion_4N_Champgnw_138Kv	MISO	MISO
21524	Whitestown_WhiteGion34_1_1_138Kv_flo_Petersburg_TRF_E	MISO	MISO
21529	Gibson_ABBROGibso34_1_1_345Kv_flo_Gibson_Merom_345Kv	MISO	MISO
21530	Gibson_GIBSOPETER34_1_1_345Kv_flo_Gibson_Francisco_345Kv	MISO	MISO
21536	Nodaway_Gentry_161KV_FLO_St_Joe_Cooper_345KV_line	AECI	MISO,AECI
21537	Maryvil_Nodaway_161KV_FLO_St_Joe_Cooper_345KV_line	AECI	MISO,AECI
21538	Gentry_Fairport_161KV_FLO_St_Joe_Cooper_345KV_line	AECI	MISO,AECI
21551	GIBSON_PAXTON_138KV	MISO	MISO
21553	CAYUGA345_FLO_CAYUGA_NUCOR_345	MISO	MISO
21555	CAYUGA_230_FLO_CAYCT_CAYUGA_345KV	MISO	MISO
21556	Freeport_Cordova_500KV_FLO_Shelby_Sans_Souci_500KV_line	TVA	MISO,TVA
21563	Bunsonvil_Eugene_345_flo_Rockport_Jefferson_765	MISO	MISO
21564	Hortonvil_Whitestown_345_flo_Whitestown_Guion_345_Guion_Xfmr	MISO	MISO
21585	Bunsonvil_Eugene_345_flo_Sullivan_Xfmr_2_765_345	MISO	MISO

21586	Sullivan_Casey_345_flo_Dumont_Greentown_765	MISO	MISO
21615	Enon_Montgomery_345_flo_Labadie_Montgomery_345	MISO	MISO
21616	Labadie_GraySummit_345_2_flo_Labadie_GraySummit_345_1	MISO	MISO
21619	Sullivan_Casey_345_flo_WiltonCenter_Dumont_765	MISO	MISO
21630	Edwards_Kewanee_138_flo_Hennepin_Woodhall_138	PJM	MISO,PJM
21635	Lutevil_StFrancis_345_flo_PrairieState_MtVernon_345	MISO	MISO
21638	TurkeyHill_Xfmr_345_138_flo_PrairieState_MtVernon_345	MISO	MISO
21640	Tazewell_Xfmr_345_138_2_flo_Tazewell_Xfmr_345_138_1	MISO	MISO
21641	Edwards_Kewanee_138_flo_Tazewell_Xfmr_345_138_2	PJM	MISO,PJM
21731	Freeport_SE_Gate_161_kV_flo_Freeport_Cordova_500_kV	TVA	MISO,TVA
21856	Watts_Bar_Volunteer_500kV_flo_Bull_Run_Volunteer_500kV	TVA	MISO,TVA
21881	MIONT_PAR_BUNCECREEK	MISO	MISO
21882	MIONT_PAR_KEITH	MISO	MISO
21883	MIONT_PAR_LAMBTON51	MISO	MISO
21884	MIONT_PAR__LAMBTON4	MISO	MISO
22061	Ghent_Fairview_138_flo_Ghent_Batesvil_345	LGEE	MISO,LGEE
22214	Temp_99_Ft_Smith_345_161kV_ftlo_Ft_Smith_345_500kV	SWPP	MISO,SWPP
22221	Thomas_Hill_345_161_XFMR_1_flo_Thomas_Hill_345_161_XFMR_2	AECI	MISO,AECI
22222	Thomas_Hill_345_161_XFMR_2_flo_Thomas_Hill_345_161_XFMR_1	AECI	MISO,AECI
22347	Okoboji_Fostoria_69__flo_Cayler_Wisdom_161	SWPP	MISO,SWPP
22539	S_HAYS_GRTBEND_230_FTLO_SMOKYHL_SUMMIT_230	SWPP	MISO,SWPP
22560	ONT_ITC_REGULATE_9159	MISO	MISO
22593	TMP_109_Tupelo_Tap_Tupelo_138kV_ftlo_Semino_Pittsburg_345k	SWPP	MISO,SWPP
22634	Bull_Run_500_161__flo_Bull_Run_Volunteer_500	TVA	MISO,TVA
22647	Batesvil_Tallahatch_Industrial_161	TVA	MISO,TVA
22771	Barkley_Princeton_161_flo_Marshall_Cumberland_500	TVA	MISO,TVA
22895	Neosho_Riverton_161kV_ftlo_Blackberry_Jasper_345kV	SWPP	MISO,SWPP
23044	Tupelo_Tap_Tupelo_138_kV_ftlo_Pittsburg_Valiant_345_kV	SWPP	MISO,SWPP
23148	NewLondon_KokomoHp_230kV_flo_Cayuga_Nucor_345kV	MISO	MISO
23412	Leghorn_Goose_Creek_345_flo_Wilton_Center_Dumont_765	MISO	MISO
23427	Monroe_Lallendorf_I_o_Morocco_Allen_Junction	MISO	MISO
23499	Batesvil_Tallahatchie_161KV_FLo_Union_Benton500KV	TVA	MISO,TVA
23510	TLR_only_5566_Coop_StJoe345_ftlo_Coop_FPT_StJoe_FP345_1	SWPP	MISO,SWPP
23534	Monona_161_69_Transformer	MISO	MISO
23576	Sandburg_XFMR_3_flo_OakGrove_Sandburg_345	MISO	MISO

23655	Nelson_345_138_TR82_I_o_Nelson_345_138_TR81	PJM	MISO,PJM
23687	Volunteer_Phipps_Bend_500_flo_Gavin_Unit_2	TVA	MISO,TVA
23689	Olive_345_138kV_TR2P_I_o_Olive_Cook_345kV	PJM	MISO,PJM
23717	Hattiesburg_SW_Shelby_TP_115kV_FLO_Purvis_Hurricane_Creek_230kV	SOCO	MISO,SOCO
23741	Browns_Ferry_Maury_500kV	TVA	MISO,TVA
23744	Cordova_Haywood_500_flo_Maury_Browns_Ferry_500	TVA	MISO,TVA
23781	Stillwell_Dumont_345kV_I_o_Cook_Dumont_765kV	PJM	MISO,PJM
23912	PrairieIsland_NorthRochester_345_FLO_Hampton_NorthRochester_345	MISO	MISO
23935	SPA_FG_Beaver_Eureka_161_kV_FTLO_Blackberry_Jasper_345_kV	SWPP	MISO,SWPP
24079	BayShore_TR1_345_138_kV_I_o_FostoriaCentral_Lallendorf_345_kV	PJM	MISO,PJM
24274	Nelson_Electric_Jct_15502_345_kV_I_o_Byron_Wayne_0626_345_kV	PJM	MISO,PJM
24286	Benton_Harbor_Segreto_345_kV_I_o_Cook_Segreto_345_kV	PJM	MISO,PJM
24408	TrimbleCounty_CliftyCreek_345kV_flo_JefferRockprt_765kV_RockprtU1	TVA	MISO,TVA
24498	Liberal_Texas_Co_115kV_ftlo_Carpenter_Hitch_345kV	SWPP	MISO,SWPP
24500	MagicCity_Souris_115kV_FLO_LelandOlds_Logan_230kV	MISO	MISO
24513	Benton_Harbor_345_138kV_transformer_I_o_Segreto_Cook_345kV_line	PJM	MISO,PJM
24516	Nebraska_City_Sub_3456_345kV_ftlo_Nebraska_City_103rd_Rokeby	SWPP	MISO,SWPP
24583	Volunteer_Phipps_Bend_500kv_flo_Antioch_Jackson_Ferry_765_50	TVA	MISO,TVA
24586	MOPI_FG23427	MISO	MISO
24587	Batesvil_Tallahatche_161KV_FLO_Ritchie_Moonlake_230KV	TVA	MISO,TVA
24626	PVLYGRE_BYRON2_161kV_flo_PVLYNSP_BYRON2_345kV	MISO	MISO
24635	Dearborn_Pierce_345kV_I_o_Miami_Fort_Terminal_345kV	PJM	MISO,PJM
24665	Garden_Plain_15518_2_138_kV_I_o_Nelson_H471_15504_345_kV	MISO	MISO
24713	Gentry_Fairport_161kV_FLO_Easttown_Iatan_345kV	AECI	MISO,AECI
24810	Toulon_Powerton_138kV	PJM	MISO,PJM
24829	Toulon_Powerton_138kV_I_o_Kewanee_Putnam_138kV	PJM	MISO,PJM
24848	Miami_Fort_345_138_kV_TX9_I_o_Miami_Fort_Terminal_345kV	PJM	MISO,PJM
24858	Richland_Fairview_115_kV_fto_Charlie_Creek_Patent_Gate_345	SWPP	MISO,SWPP
24865	RDT_Muskatap_Gore1_161kV_FTLO_FT_Smith_Muskogee_345kV	SWPP	MISO,SWPP
24881	DickinsonCounty_Triboji_161kV_flo_KossuthCounty_Webster_345kV	MISO	MISO
24908	BASE_BIGSTN_Interface	MISO	MISO
24956	CherryValley_SilverLake_15616_345kV_flo_Byron_Wayne_0626_345kV	PJM	MISO,PJM
25016	El_Dorado_500_345_AT2_flo_El_Dorado_Mount_Olive_500kV	MISO	MISO
25103	Cayuga_HilsdaleN_230_flo_Dresser_SugarCreek_345	MISO	MISO
25125	Nelson_Electric_Junction_15502_345kv_line	PJM	MISO,PJM

25168	TMP116	Cooper_St_Joe_345_kv_ftlo_Ketchem_Sibley_345_kv	SWPP	MISO,SWPP
25211	TMP441	Maryvil_Midway_161_kv_ftlo_Cooper_St_Joe_345_kv	SWPP	MISO,SWPP
25289		Warrenton_Big_Creek_161kv_ftlo_Montgomery_Labadie_345kv	AECI	MISO,AECI
25352		DickinsonCounty_Triboji_161kv_ftlo_Raun_Cherokee_345kv	MISO	MISO
25353		Powerton_Towerline_138kv_l_o_Kewenee_Putnam_138kv	PJM	MISO,PJM
25355		Kewanee_6101_138_kv_l_o_Streator_Kickapo_Marsei_138_kv	PJM	MISO,PJM
25358		Powerton_Towerline_138_ftlo_Fargo_Sandburg_345	PJM	MISO,PJM
25380		MOPI_2343	PJM	MISO,PJM
25381		MOPI_24286	PJM	MISO,PJM
25389	TMP121	NASHUA_HAWTHORN_345kv_ftlo_NASHUA_345_161kv_XF	SWPP	MISO,SWPP
25425		Powerton_Toulon_138_kv_ftlo_Fargo_Sandburg_345_kv	PJM	MISO,PJM
25447		Clay_500_161_KV_TR_BK_FLO_West_Point_Clay_500_KV	TVA	MISO,TVA
25475		MapleSt_Chrysler13811_ftlo_HighlandPark_NewLondon230kv	MISO	MISO
25496		Ellendal_AberdeenJct_115kv_ftlo_Ellendal2_BigStoneSouth_345kv	MISO	MISO
25518		NewLondon_KokomoHglndPk230kv_ftlo_Dumont_Sorenson765KV	MISO	MISO
25525	TMP548	XF_Columbus_230_115_kv_FTLO_LN_Shell_Creek_Columbus_345	SWPP	MISO,SWPP
25534		Maurine_115_230kv_XFMR_FTLO_Maurine_N_Underwood_230kv	SWPP	MISO,SWPP
25550		TMP512_Valliant_Lydia_345_kv_Seams_PTFD	SWPP	MISO,SWPP
25551		TMP514_Muskogee_Ft_Smith_345_kv_Seams_PTFD	SWPP	MISO,SWPP
25552		TMP515_Axtell_Post_Rock_345_kv_Seams_PTFD	SWPP	MISO,SWPP
25556	TMP518	Nashua_Hawthorn_345kv_FTLO_Sibley_Ketchum_345kv	SWPP	MISO,SWPP
25557	TMP516	Valliant_Northwest_Texarkana_345_kv_Seams_PTFD	SWPP	MISO,SWPP
25599		Webster_Wright_161kv_ftlo_Bison_Colby_345kv	MISO	MISO
25616		Ellendal_AberdeenJunction_115kv_ftlo_Ellendal_Oakes_230kv	MISO	MISO
25617		Maurine_230_115kv_XFMR_ftlo_Maurine_N_Underwood_230kv	SWPP	MISO,SWPP
25618		AURORA_FLANDRU_115kv_ftlo_SPLT_RT_WHITE_345kv	SWPP	MISO,SWPP
25632		Batesvil_Tallahatchie_Ind_park_161_FLO_Freepor_Cordova_500	TVA	MISO,TVA
25655	TMP524	Sheffield_161_69_kv_XF_ftlo_Sheffield_Hampton_Tap_161	SWPP	MISO,SWPP
25692	DUMONT	2_STILLWELL_345_kv_l_o_BURR_OAK_SCHAFER_345_kv	PJM	MISO,PJM
25703		POWERTO1_TWRL_BASE_FLOW	PJM	MISO,PJM
25711	TMP_248	IFIP_Farmland_Tap_69kv_ftlo_Nuthatch_Franklin_161kv	SWPP	MISO,SWPP
25727	TMP423	MARYVL_SJ_MIDWAY5_161kv_ftlo_MARYVIL_NODAWAY_161kv	SWPP	MISO,SWPP
25737		Clay_Starkvil_161_FLO_Clay_West_Point_500kv	TVA	MISO,TVA
25749		Argenta_Thompkn_345_ftlo_Argenta_BattleCrk_345	MISO	MISO
25756		MOPI_FG25749	MISO	MISO

25759	Overton_345_161_xfmr_flo_McCredie_Overton_345	MISO	MISO
25764	TMP461_Fargo_Sheyenne_230_kv_ftlo_Prairie_Winger_230_kv	SWPP	MISO,SWPP
25777	Blackberry_Jasper_345kV	AECI	MISO,AECI
25779	Ft_Thompson_Huron_1_230kV_FTLO_Ft_Thompson_Huron_2_230kV	SWPP	MISO,SWPP
25793	Benton_Harbor_345_138_kv_l_o_Argenta_WeedLake_345_kv	PJM	MISO,PJM
25805	Benton_Harbor_1_345_138_kv_l_o_Oive_2_345_138	PJM	MISO,PJM
25833	SplitRock_TR11_FLO_SplitRock_TR10_345_115	MISO	MISO
25845	Nashua_MPS_Liberty_FTLO_Nashua_Hawthorn	SWPP	MISO,SWPP
25874	Quitman_BeeBranch_161kv_flo_HillTop_Dardanel_161kv	MISO	MISO
25881	TMP304_Denison_ManningTap69kv_ftlo_AnitaTap_Anita161kv_AnitaTap	SWPP	MISO,SWPP
25883	NORMANDY_TAP_KEWANEE_138_FLO_NELSON_ELECTRIC_JUNCTION_345	PJM	MISO,PJM
25904	Petersburg_N_Petersburg_115_kv_FLO_Hoskins_Shell_Creek_345_	SWPP	MISO,SWPP
25915	Olive_NewCaris_138kV	PJM	MISO,PJM
25917	California_Apache_Flats_161_flo_McCredie_Montgomery_345	MISO	MISO
25918	FoxLake_Rutland_161kv_flo_LakefieldJct_Huntley_345kv	MISO	MISO
25944	Northwest_tap_Purdue_138_flo_Westwood_W_Lafayette_138	MISO	MISO
25946	Westwood_NW_Tap_138_flo_Cayuga_Cayuga_345	MISO	MISO
25949	SHAYS_MULGRE2_230_FTLO_REDWLO_MINGO_345	SWPP	MISO,SWPP
25953	Moberly_Overton_161kv_flo_Thomas_Hill_McCredie_345kv	MISO	MISO
25957	Francisco_Duff_345_flo_Gibson_Abbrown_345	MISO	MISO
25964	Dearborn_Pierce_345_kv_l_o_East_Bend_Terminal_345_kv	PJM	MISO,PJM
25969	KingdomCity_345_161kv_FLO_McCredie_Montgomery_345kv_line	AECI	MISO,AECI
25970	Macbaine_Macbaine_Tap_161_flo_Montgomery_McCredie_345	MISO	MISO
25979	Cooper_Fairport_345kv_FLO_Sibley_Ketchem_345	AECI	MISO,AECI
26000	Crescent_Rid_7713_138_l_o_Kewanee_East_Bureau	PJM	MISO,PJM
26013	TMP557_MRYVIL_SJ_BRADDCTR_161_KV_FTLO_MARYVIL_CRESTONW_161_KV	SWPP	MISO,SWPP
26016	TEMP39_LN_Tekamho_Sub_1226_161_kv_FTLO_Raun_Fort_Calhoun_345	SWPP	MISO,SWPP
26024	TEMP40_Neosho_Blackberry_345kv_ftlo_Lacygne_W_Gardner_345k	SWPP	MISO,SWPP
26033	Overton_McBaineTp_161_flo_Overton_McCredie_345	MISO	MISO
26048	Powerton_Towerline_138kv_flo_Nelson_ElectricJunction_15502_345kv	PJM	MISO,PJM
26066	Col_Collinsvil_138kv_flo_TannersCreek_Dearborn_345kv	PJM	MISO,PJM
26096	Col_Collinsvil_138_kv_l_o_Dumont_Sorenson_765_kv	PJM	MISO,PJM
26097	Col_Collinsvil_138_kv_l_o_Marysvil_Sorenson_765_kv	PJM	MISO,PJM
26110	BigStone_BrownsValley_230kV	MISO	MISO
26115	Salisbury_Norton_161_kv_FLO_Thomas_Hill_McCredie_345_kv	SWPP	MISO,SWPP

26167	Neosho_Blackberry_345_kV_FTLO_LN_Neosho_Delaware_345_kV	SWPP	MISO,SWPP
26194	Toulon_Powerton_138_kV_I_o_Nelson_Rock_Fall_138_kV	PJM	MISO,PJM
26195	Powerton_Towerline_138_kV_I_o_Nelson_Rock_Fall_138_kV	PJM	MISO,PJM
26202	Sheffield_Hampton_161kV_ftlo_Quinn_Blackhawk_345kV	SWPP	MISO,SWPP
26209	Williamsburg_MontgomeryCity_161kV_FLO_McCredie_Montgomery_345kV	TVA	MISO,TVA
26217	Benton_Harbor_West_Street_138kV_I_o_Segreto_Cook_345kV	PJM	MISO,PJM
26232	Maryvil_Nodaway_flo_Maryvil_Maryvil_161kV_line	TVA	MISO,TVA
26233	Temporary_88_MARMARMARNOD	SWPP	MISO,SWPP
26266	Mebaine_Loy_Martin_161_flo_Mccredie_Montgomery_345	MISO	MISO
26272	Tanners_Creek_Miami_Fort_345_kV_I_o_Marysvil_Sorenson_765kV	PJM	MISO,PJM
26273	Allen_Junction_Morocco_345_kV_I_o_Lallendorf_Monroe_345_kV	PJM	MISO,PJM
26274	MOPI_FG26273	PJM	MISO,PJM
26279	White_Split_Rock_345_kV_FTLO_Hawks_Nest_Lyon_County_345_kV	SWPP	MISO,SWPP
26280	Watertn_345_230_XF_FTLO_Hawkn_Lk_Lyon_Co_345kV	SWPP	MISO,SWPP
26301	Westwood_NWTap13806_flo_Dequine_Eugene345kV	PJM	MISO,PJM
26307	Collinsvil_138_kV_I_o_Tanners_Creek_Miami_Fort_345	PJM	MISO,PJM
26315	Blackberry_to_Jasper_345kV_FLO_GRDA1_to_Toneece_345kV	TVA	MISO,TVA
26328	Forman_230_115_TR1_flo_Hankinson_Wahpeton_230kV	MISO	MISO
26331	Gentry_to_Fairport_161kV_FLO_Maryvil_to_Maryvil_161kV	TVA	MISO,TVA
26334	Nodaway_to_Maryvil_161kV_FLO_Maryvil_KCPL_to_Midway_161kV	TVA	MISO,TVA
26335	Nodaway_to_Maryvil_161kV_FLO_Midway_to_Avenue_City_161kV	TVA	MISO,TVA
26336	Osborn_to_Rockies_Express_161kV_FLO_Fairport_345_161kV_XMFR	TVA	MISO,TVA
26337	Nodaway_to_Maryvil_161kV_FLO_Fairport_345_161kV_XMFR	AECI	MISO,AECI
26338	Nodaway_to_Maryvil_161kV_FLO_Fairport_to_Osborn_161kV	TVA	MISO,TVA
26346	Tanners_Creek_Miami_Fort_345_kV_I_o_East_Bend_Terminal_345_kV	PJM	MISO,PJM
26365	TMP106_Ran_Pelican_69kV_FTLO_Cayler_Wisdom_161_kV	SWPP	MISO,SWPP
26403	Kelso_345_161_xfmr_1_flo_Kelso_345_161_xfmr_2	MISO	MISO
26408	Franks_Huben_345kV_FLO_Lacygne_Neosho_345	TVA	MISO,TVA
26417	Benton_Harbor_Chrystal_138_kV_for_I_o_Olive_345_138_XFMR_2	PJM	MISO,PJM
26421	CaseyW_Neoga_345_flo_Newton_Casey_345	MISO	MISO
26426	Sequoyah_Franklin_500_flo_Plateau_Roane_500	TVA	MISO,TVA
26435	Segreto_Benton_Harbor_345_KV_I_o_Cook_Segreto_345kV	PJM	MISO,PJM
26486	Maryvil_Nodaway_161_FLO_Eastown_IATAN_345	AECI	MISO,AECI
26495	Cook_Olive_345_kV_I_o_Dumont_Cook_765_kV	PJM	MISO,PJM
26505	Morocco_Allen_Junction_345_KV_I_o_Lemoynne_Majestic_345_kV	PJM	MISO,PJM

26506	Morocco_Allen_Junction_345_KV_I_o_Marysvil_Sorenson_765kV	765kV	PJM	MISO,PJM
26507	MOPI_26505_Morocco_AllenJunction345_kv_flo_Lemoyne_Majestic345kV		PJM	MISO,PJM
26508	MOPI_26506_Morocco_Allen_Junction_345_KV_I_o_Marysvil_Soren_765		PJM	MISO,PJM
26509	Morocco_Allen_Junction_345_KV_I_o_Davis_Besse_U1		PJM	MISO,PJM
26510	MOPI_FG26509_Morocco_Allen_Junction_345kV_I_o_DavisBesse_U1		PJM	MISO,PJM
26512	7713_981_Cresent_138_kv_for_loss_of_Powerton_Toulon_0321_138_kv		PJM	MISO,PJM
26513	Toulon_Powerton_138_kv_for_I_o_Fargo_Sandburg_345_kv		PJM	MISO,PJM
26522	Newton_Xfmr_345_138_2_flo_Casey_Newton_345		MISO	MISO
26534	Col_Corner_Collinsvil_138_kv_I_o_Col_Corner_Trento		PJM	MISO,PJM
26564	Garden_Plain_15518_138_kv_I_o_Cordova_Nelson_345_kv		MISO	MISO
26565	Blair_Granite_Falls_230_KV_FLO_Hawksnest_Ln_Lyon_Co_345_kv		SWPP	MISO,SWPP
26570	MiamiFort_XF9_345_138_kv_I_o_MiamiFort_XF10_345_138_kv		PJM	MISO,PJM
26571	CerroGordo_Emerly_161kV_flo_Bison_Colby345kV		MISO	MISO
26572	Osceola_Wilson_161_flo_Sans_Souci_Driver_500_		MISO	MISO
26581	Col_Corner_Collinsvil_138_kv_I_o_Terminal_BK11_345_138		PJM	MISO,PJM
26604	TMP430_Maryvil_Midway_161_kv_ftlo_Nodaway_Gentry_161_kv		SWPP	MISO,SWPP
26608	Moberly_Tap_Moberly_161kV_FLO_Kingdom_McCredie_345kV		AECI	MISO,AECI
26609	Moberly_Tap_Moberly_161kV_FLO_McCredie_Thomas_Hill_345kV		AECI	MISO,AECI
26615	74_KEWAN_6101_138_KV_I_o_KewaneeEast_Bureau_138_kv		PJM	MISO,PJM
26622	Col_Corner_Collinsvil_138_kv_I_o_Red_Bank_Terminal_345_kv		PJM	MISO,PJM
26623	Bigstone_BrownsVally_230kV_flo_Oaks_Ellenda_230kV		MISO	MISO
26642	Prest_Tibb_138_flo_Prairie_State_Mt_Vernon_345		MISO	MISO
26648	Senatoba_Cldwatr_115kV_ftlo_Ritch_Moonlk_230kV		MISO	MISO
26649	Maries138kV_Maries161kV_flo_Bland_Franks_345kV		TVA	MISO,TVA
26658	College_Corner_Collinsville138kV_flo_TannersCreek_EastBend345kV		PJM	MISO,PJM
26659	MOPI_FG26435		PJM	MISO,PJM
26660	MOPI_FG26495		PJM	MISO,PJM
26663	STJOHNS_CRETSTJO_CRE_STJO_345_KV_I_o_Dumont_Greentown_765_kv		PJM	MISO,PJM
26678	Powerton_Towerline_138_kv_flo_Rock_Fall_Schauff_Road_138_kv		PJM	MISO,PJM
26681	Dumont_Stillwell_345_kv_flo_112Wilton_TR93_765_345_kv		PJM	MISO,PJM
26684	7405_Normandy_Tap_Kewanee_138_flo_Nelson_RockFall_138		PJM	MISO,PJM
26690	Colby_Emerly_161kV_ftlo_Colby_Killdeer_345kV		MISO	MISO
26697	Map_Chryslr_13811_flo_Greentown_Delco_13810		MISO	MISO
26708	New_Madrid_345_161_TR_1_FLO_Marshall_Cumberland_500		AECI	MISO,AECI
26731	Glenworth_Hayward161_flo_Barton_Adams161		MISO	MISO

26732	Turkey_Hill_Hilgard_138_flo_Prairie_State_Mt_Vernon_345	MISO	MISO
26737	Temporary_577__S3GRANHAWLYN	SWPP	MISO,SWPP
26745	ToddHunt_17_345_138_XFMR_flo_ToddHunt_Garv_345_and_ToddHunt16_XF	PJM	MISO,PJM
26777	E_Watervliet_Weststre_138_kv_I_o_Cook_Bentonha_345_kv	PJM	MISO,PJM
26797	MARYVIL_CRESTONW_161kv_flo_MARYVIL_NODAWAY_161kv	SWPP	MISO,SWPP
26803	Toddhunt_Woodsdale1_4561_345_I_o_Toddhunt_Woodsdale2_4562_345	PJM	MISO,PJM
26808	Todd_Hunter_345_138_kv_TX_15_I_o_Garver_Todd_Hunter	PJM	MISO,PJM
26834	Joppa_Shawnee_3_161_flo_Joppa_Shawnee_4_161	MISO	MISO
26838	AnitaTap_Anita_161_FLO_Denison_KV1A_230_161	MISO	MISO
26877	Hoot_Lake_FERGSFL7_115_FLO_MORRIS_WALDEN_BENSON_115	MISO	MISO
26899	Hot_Springs_Villa_Hollis_115_kv_flo_ANO_Fort_Smith_500_k	MISO	MISO
26900	Butler_Bluemound_138_5061_flo_Arcadian_Granvil_345	MISO	MISO
26901	Adams_BeaverCreek_161kv_flo_BriggsRd_NorthRochester_345kv	MISO	MISO
26902	BriggsRd_TR9_345_161kv_flo_BriggsRd_NorthMadison_345kv	MISO	MISO
26910	Canby_GraniteFalls_115kv_flo_BrookingsCo_Astoria_345kv	MISO	MISO
26913	Ruston_Vienna_115_kv_FLO_Eldorado_Mt_Olive_500_kv	MISO	MISO
26938	Cook_Segreto_345_kv	PJM	MISO,PJM
26948	CasyW_Sullivan_345_flo_Bunsonvil_Eugene_345	MISO	MISO
26966	981Crescent_4Corbin_138kv_I_o_Hennepin_Putnam_138kv	PJM	MISO,PJM
26983	Layfield_WesternKraft_230kv_flo_Layfield_Hartburg_500kv	MISO	MISO
26992	Livingston_Crittenden_161kv_flo_Barkley_TR_1	TVA	MISO,TVA
27007	New_Madrid_West_New_Madrid_345kv_flo_Driver_Sansouci_500kv	TVA	MISO,TVA
27008	New_Madrid_West_New_Madrid_345kv_flo_New_Madrid_500_345kv_XFMR	TVA	MISO,TVA
27012	Volunteer_500_161kv_XFMR_1_flo_Volunteer_Phipps_Bend_500kv	TVA	MISO,TVA
27030	Shadeland_LafayetteSouth13808_flo_Westwood_NW_Tap_13806	MISO	MISO
27056	Nodway_to_Maryvil_161_FLO_Sibley_to_Ketchem_345kv	TVA	MISO,TVA
27077	Paradise_BR_Tap_161_flo_Gibson_Unit_1	MISO	MISO
27086	Lafayette_138_230_TR1_flo_Lafayette_138_230_TR4	MISO	MISO
27110	Starkvil_Montplier_161_FTLO_Clay_Hamilton_161	TVA	MISO,TVA
27112	Mcleod_TR1_230Kv_115Kv_flo_BlueLake_Mcleod230kv	MISO	MISO
27119	Lafayette_138_230_TR1_flo_Sorenson_Marysvil_765kv	MISO	MISO
27124	Maryvil_Nodaway_161_kv_Base_Case	TVA	MISO,TVA
27148	Batesvil_Tallahatchie_161_FLO_Frport_Southaven500_230	TVA	MISO,TVA
27155	Rising_Xmfr1_flo_Rising_Sidney_345	MISO	MISO
27166	KETCHEM_SIBLEY_345_KV_PTDF	SWPP	MISO,SWPP

27184	Nucor_Whitestown_345_flo_Dresser_SugarCreek345	MISO	MISO
27203	Lansing_Genoa_161kV_flo_Harmony_Genoa_161kV	MISO	MISO
27211	Hettinger_Centipede_115kV_flo_Hettinger_Bowman_230kV	MISO	MISO
27212	Forbes_TR7_500_230kV_flo_Forbes_TR8_500_230kV	MISO	MISO
27222	TMP388_N345_BLACKBRY_345kV_ftlo_SONR1_CLEVLND7_345kV	SWPP	MISO,SWPP
27235	Powerton_Towerline_138_KV_for_I_o_Oak_Grove_Sandburg_345_KV	PJM	MISO,PJM
27240	Morocco_Allen_Junction_345_kV_I_o_Dumont_Sorenson_765_kV	PJM	MISO,PJM
27241	Montgomery_Labadie_4_345_kV_flo_Belleau_Montgomery_345_kV	MISO	MISO
27242	MOPI_27240_Morocco_Allen_Junction_345_kV_I_o_Dumont_Sornsn_765	PJM	MISO,PJM
27261	Leghorn_GooseCreek_345_flo_Faraday_Arlands_345	MISO	MISO
27280	SugarCk_Dresser_345_flo_Cayuga_CayugaCT_345	MISO	MISO
27283	Maryvil_Nodaway_161kV_FLO_Cooper_Atchison_345kV	AECI	MISO,AECI
27290	TMP384_S3_Granit_Falls_115kV_ftlo_Bufford_Yankee_115kV	SWPP	MISO,SWPP
27292	TMP398_Elliott_Enderlin_115_kV_FTLO_Wahpeton_Hankson_230kV	SWPP	MISO,SWPP
27309	Sugar_Creek_Dresser_345_flo_Nucor_Cayuga_345	MISO	MISO
27322	McCracken_Bryan_161_flo_Shawnee_Marshal_161	MISO	MISO
27327	Freeport_Cordova_500_flo_Driver_San_Souci_500	TVA	MISO,TVA
27334	Hayward_Adams_161kV_flo_Hayward_MurphyCreek_161_kV	MISO	MISO
27337	Bayshor2_Davisbes_I_o_L345_FostorialCentral_Lallendorf	PJM	MISO,PJM
27338	MOPI_Bayshor2_Davisbes_I_o_L345_FostorialCentral_Lallendorf	PJM	MISO,PJM
27341	Volunteer_Phipps_Bend_500_flo_Hanging_Rock_Cornu_765	TVA	MISO,TVA
27342	Volunteer_Phipps_Bend_500_flo_Grnsvil_Rogers_Rd_500	TVA	MISO,TVA
27347	Volunteer_Phipps_Bend_500_flo_Jefferson_Rockport_765_Rockpor	TVA	MISO,TVA
27353	Gallatin_F1_West_Trouda_161kV_1_flo_Gallatin_F1_5Gallatin	TVA	MISO,TVA
27356	Elkhorn_North_Lake_Geneva_138_flo_Sunrise_White_Water_138	MISO	MISO
27357	Batesvil_Tallahatchie_Ind_161kV_FLO_Batesvil_E_Batesville161	TVA	MISO,TVA
27362	TMP502_Sioux_City_Split_Rock_345kV_ftlo_Obrien_Lakefield_34	MISO	MISO
27373	Lafayette_138_230_kv_TR1_I_o_Dumont_Sorenson_765_kv	MISO	MISO
27374	Trimb_Co_Ghent_345_flo_Trimb_Co_Clifty_Creek_345	TVA	MISO,TVA
27380	282_Zion_Lakeview_138kV_I_o_974_Zion_Energy_Center_Pleasant_	PJM	MISO,PJM
27391	Genworth_Hayward_161kV_flo_Quinn_Blackhawk_345kV	MISO	MISO
27403	Genworth_Hayward_161kV_flo_Ledyard_Huntley_345kV	MISO	MISO
27410	Old_Maries161kV_Old_Maries138kVckt1_flo_Bland345kV_Bland138kv	AECI	MISO,AECI
27421	Old_Maries_161_138kV_FTLO_Bland_Osa_138kV	AECI	MISO,AECI
27435	Shawnee_Paducah_161_FLO_Marshall_Shawnee_161	TVA	MISO,TVA

27439	TMP132	Lacygne_Neosho_345kv_LN_ftlo_NeoRid_Neosho_345kv_LN	SWPP	MISO,SWPP
27446		New_Madrid_W_New_Madrid_C1_345_kv_flo_Lutesvil_St_Franco	TVA	MISO,TVA
27454		PaddysWest_Gallagher_138_flo_PaddysWest_KenzigRd_345	LGEE	MISO,LGEE
27460		Webster345_Webster1Kv_Web_ab_wndng1_Flo_Grimes_Bwrcrbc3	MISO	MISO
27464		Bradd_CTR_Maryvil_161kv_ftlo_Cooper_Fairport_St_Joe_345kv	SWPP	MISO,SWPP
27465		Maryvil_Nodaway_161kv_flo_Sibley_Ketchum_345kv	AECI	MISO,AECI
27466		Fairport_St_Joe_345kv_flo_Sibley_Ketchum_345kv	AECI	MISO,AECI
27469		Valliant_Lydia_345kv_ftlo_Valliant_NWTexAR_345kv	SWPP	MISO,SWPP
27476		Maryvil_Nodway_161KV_FLO_Cooper_Fairport_345	AECI	MISO,AECI
27478		Maryvil_Nodaway_FLO_Maryvil_Braddyville	AECI	MISO,AECI
27482		Maryvil_Nodaway_161KV_FLO_Braddyvil_Clarinda_161KV	AECI	MISO,AECI
27486		Stateline_TR82_XFMR_I_o_177_Burnham_150_Calumet_153_Taylor_3	PJM	MISO,PJM
27487		Stateline_TR82_XFMR_I_o_BurnhamCalumetTaylor_345kv17724_Bur	PJM	MISO,PJM
27491		Cayuga_345_230_XFMR_9_flo_Dresser_SugarCreek_345	MISO	MISO
27548	TEMP34	LEEDS2_PENN_TAP_115kv_ftlo_BALTAJCT_RAMSEY_230kv	SWPP	MISO,SWPP
27582		Tazewell_138_345_TR2_FLO_MapleRdg_Tazewell	MISO	MISO
27588		Bigston_Brownsvalley_230_FLO_Ellenda_Twinbrooks_345	MISO	MISO
27596		JohnJct_Morris_115_FLO_Hankinson_Wahpetn_230_nTR2	MISO	MISO
27599		BSSouth_BigStone_230kv_2_flo_BSSouth_BigStone_230kv_1	MISO	MISO
27606		Center_SquareButte_230kv_flo_LelandOlds_Stanton230kv	MISO	MISO
27657		Quitman_Bee_Branch_161kv_flo_ANO_FtSmith_500kv	MISO	MISO
27672	TMP193	KELL_161_115_KV_XFMR_FTLO_COOPER_ST_JOE_345_KV	SWPP	MISO,SWPP
27677		Darvil_Ola_115kv_flo_ArkansasNucOne_FtSmith_500kv	MISO	MISO
27679		FERNALD_RLND_69KV_FTLO_STORY_CO_MTOWNWT_161KV	SWPP	MISO,SWPP
27697		Maxburg_WinterSetJunction_161kv_flo_Nodaway_Maryvil_161kv_	MISO	MISO
27699		University_Park_Olive_345_kv_I_o_Dumont_Wilton_Center_765_kv	PJM	MISO,PJM
27702		Mauer_Lake_Carrrolton_161kv_ftlo_Sibley_Overton_345kv	SWPP	MISO,SWPP
27703		FortDodd_BooneJunction_161kv_flo_BeaverCreek_Grimes_345kv	MISO	MISO
27707		Buckner_Middletown_345_flo_Trimb_Co_Speed_345	TVA	MISO,TVA
27709	TMP320	Braddctr_Maryvil_SJ_161kv_LN_ftlo_CrestonW_Maryvil_161kv	SWPP	MISO,SWPP
27711		Cayuga_345_Cayuga_flo_Rockport_Jefferson_765	MISO	MISO
27720		Trimb_Co_Speed_345_flo_Buckner_Middletown_345	TVA	MISO,TVA
27727	TMP366	LN_Ward_Bismark_230_kv_FTLO_LN_Square_Butte_Stanton_2	SWPP	MISO,SWPP
27742	TEMP66	Brookings_Aurora_115_kv_FLO_White_Split_Rock_345_kv	SWPP	MISO,SWPP
27745		Wrightsvil_Keo_500kv_flo_Keo_WhiteBluff_500kv	MISO	MISO

27746	Keo_WestMemphis_500kv_flo_Independence_HolBot_500KV	MISO	MISO
27748	Hazelton_Arnold_345kv_flo_Hazelton_HickoryCreek_345kv	MISO	MISO
27758	TMP592_FARGO_SHEYNNNE_230_FTLO_CENTER2_JMSTN_OTP_345	SWPP	MISO,SWPP
27759	Adams_Creston_161kv_flo_Maryvil_Creston_161kv	SWPP	MISO,SWPP
27760	Lafayette_230_138_TR1_flo_Lafayette_230_138_TR4	MISO	MISO
27781	Wempletown_TR_84_xfmr_flo_Cherry_Valley_TR82_xfmr	PJM	MISO,PJM
27782	WINNFIELD_WINNPRISON115_FLO_LAYFIELD_CAROLL_230KV	MISO	MISO
27784	Clay_Prairie_161KV_ftlo_WestPoint_Browns_Ferry_Nuclear_500KV	TVA	MISO,TVA
27788	Bondurant_Montezuma_345kv_flo_Killdeer_Quinn_345kv	MISO	MISO
27789	171WempeTown_TR84_I_o_L138_CherryValley_15622_Sabrooke_15622	PJM	MISO,PJM
27792	TMP590_SIOUXCY_230_161_XFMR_KV5A1_FTLO_SIOUXCY_230_161_XFMR_KV1	SWPP	MISO,SWPP
27805	Greentown_765kv_138kv_xfmr_3_flo_Dumont_Sorenson_765	MISO	MISO
27809	Keo_WestMemphis_500_flo_Independence_PowerLine_500	MISO	MISO
27811	Trimb_Co_Speed_345_flo_Trimb_Co_Middletown_345	MISO	MISO
27825	TMP432_Split_Rock_NSP_Sioux_Falls_230kv_ftlo_Split_Rock_WAUE_	SWPP	MISO,SWPP
27837	Ward_Bismark_230_ftlo_Center_SquareButte_230_CK72	SWPP	MISO,SWPP
27841	Keo_WestMemphis_500_flo_SansSouci_Driver_500	MISO	MISO
27844	GREENTOWN_XFMR2_FLO_HANGINGRK_JEFFERSON_765	MISO	MISO
27847	BigStone_Blair_230kv_flo_BrookingsCo_Astoria_345kv	MISO	MISO
27849	Clay_West_Point_500kv_line_base_case_loading	TVA	MISO,TVA
27859	Wempletown_345_138kv_84_xf_l_o_Wempletown_Cherry_Valley_15615	PJM	MISO,PJM
27861	TMP449_FTTHOMP_FTRANDL_230kv_ftlo_GRISLD1_GRPRAIR_HOLT_CO_345kv	SWPP	MISO,SWPP
27862	TMP469_Wellsburg_EI_Dora_69kv_FTLO_M_Town_Timber_Creek_161kv	SWPP	MISO,SWPP
27874	TEMP78_MCHENRY_VOLTAIR_115kv_ftlo_RUGBY230_RUGBY_115kv	SWPP	MISO,SWPP
27885	Forman_Hankson230KV_Flo_Twinbrooks_bigstoneSouth345KV	MISO	MISO
27886	Oakes_Forman_230kv_FLO_Twin_Brooks_Big_Stone_South_345kv	MISO	MISO
27889	Webster_FtDod_161Kv_Flo_BeaverCreek_WindFarm_Grimes_345Kv	MISO	MISO
27890	Adams_BeaverCreek_161KV_flo_Killdeer_Quinn_345kv	MISO	MISO
27896	JohnJct_Morris_115kv_FLO_BrookingsCounty_Astoria_345kv	MISO	MISO
27905	Segreto_Cook_345_kv	PJM	MISO,PJM
27915	Kenzie_Creek_Thomson_345kv_I_o_Cook_Dumont_765kv	PJM	MISO,PJM
27917	Limestone_Limestone_Creek_161_kv_FLO_Madison_Browns_Ferry_50	TVA	MISO,TVA
27924	Essex_Stoddard_FLO_San_Soucci_Driver_500KV	TVA	MISO,TVA
27925	TMP249_SKST_IDALIA_161kv_fito_SANSSU_DRIVER_500kv	SWPP	MISO,SWPP
27933	Fairport_Hickory_161_FLO_Bondurant_Montezuma_345	AECI	MISO,AECI

27936	DELCO	CIN_KOKOMOPS_138_FLO_LEESBURG_DEEDSVL_345	MISO	MISO
27949		BraddyvilleMaryv_161kV_flo_CooperStJoe_345kV	SWPP	MISO,SWPP
27961	74_KEWAN	_6101_138kV_flo_L138_Powerton_Towerline_L1404_Tie_Line	PJM	MISO,PJM
27964		13831ChicagoAve_Praxair3_flo_Burnham_Munster	MISO	MISO
27995		Tazewell_TR2_flo_Nevada_Goodings	MISO	MISO
28000	TLR_ONLY_TMP	306_RAUN_SUB3451_345KV_FLO_BEAVER_CK_GRIMES_345KV	SWPP	MISO,SWPP
28006		HDNW_NEGS_345_FLO_GOOSECRK_RISING_345	MISO	MISO
28019		LondonN_Moreland_161kV_flo_ANO_Mabelval_500kV	MISO	MISO
28024		ANO_LondonN_161kV_flo_ANO_Mabelva_500kV	MISO	MISO
28029		Thomas_Hill_Higbee_flo_Thomas_Hill_McCredie_345kv_line	TVA	MISO,TVA
28033		Joppa_345_S_TAP_161_flo_G_TAP_854_161	MISO	MISO
28038		MagicCity115_Souris115KV_BASECASE	MISO	MISO
28039		Tazewell_138_345_Xfmr2_flo_Nelson_ElectricJct_345	MISO	MISO
28043	Tanners_Creek	_Dearborn_345kV_l_o_L345_TannersCreek_Miami_Fort	PJM	MISO,PJM
28046		ANO_500_161kV_AT1_FLO_ANO_MABELVALE_500kV	MISO	MISO
28052		CBEC_Sub_1206_161kV_FTLO_Rolling_Hills_Orient_345kV	SWPP	MISO,SWPP
28060		St_Joe_Woodbin_161_kv_FLO_St_Joe_Easttown_345_kv	SWPP	MISO,SWPP
28061		Clarksda_Lyon_115kV_flo_Crossroads_Moonlake_230kV	MISO	MISO
28062		Tazewell_138_345_xfmr_2_flo_Powerton_6_unit	MISO	MISO
28064		Labadie_Gray_1_345_flo_Mason_Wildwood_Labadie_3_345	MISO	MISO
28065	Aetna_Praxair_tap	_13805_138_flo_Wilton_Center_Dumont_765	MISO	MISO
28070		Sioux_Roxford_345_flo_Gray_Summit_Labadie_1_345	MISO	MISO
28080		Miami_Fort_TX9_345_138_lo_West_Milton_Miami_Fort_345	PJM	MISO,PJM
28082		Miami_Fort_TX10_345_138_lo_Miami_Fort_TX9_345_138	PJM	MISO,PJM
28083		Todd_Hunter_Becket_138kv_lo_Port_Union_Millikin_Todd_Hunter_138k	PJM	MISO,PJM
28084	TMP386_DAWSONC	_LEWISWP_115_kv_FTLO_CHAR_CK_BELFIELD_345_kv	SWPP	MISO,SWPP
28088		Tazewell_TR2_138_345_Xfmr_flo_Quad_Cities_Sterling_Steel_345	MISO	MISO
28089		Marblehead_North_161_138_xfmr_flo_Maywood_Herelman_345_kv	MISO	MISO
28091	MCALMONT_SOUTH	JACKSONVILLE_115_KV_FLO_KEO_WHITEBLUFF_500_KV	MISO	MISO
28093	TMP334_TWINCHUR	_SIOUXCY_230_kv_FTLO_RAUN_HOSKINS_345kV	SWPP	MISO,SWPP
28096		Tyler_Conway_Conway_West_161_flo_ANO_Mabelval_500	MISO	MISO
28097		MorriltonEast_Gleason_161kV_flo_ANO_Mabelva_500kV	MISO	MISO
28099		MapleSt_Chrysler13811_flo_HighlandPark_DELCO_138	MISO	MISO
28113		Northwest_tap_Purdue_138_flo_Westwood_Tipp_Labs_138	MISO	MISO
28116		CarrolCountySouth_TOYNE_CBPC_69	MISO	MISO

28130	Helena_ScottCounty345Kv_Flo_ChubLake_Helena345kv	MISO	MISO
28134	Adams_TR9_161_345kv_flo_Adams_Rochester_161kv	MISO	MISO
28136	Tazewell_138_345_Xfmr2_flo_Loretto_Wilton_Center_345	MISO	MISO
28137	TMP527_S3_GRANITF_115KV_FTLO_LYON_CO_345_115KV_XFMR	SWPP	MISO,SWPP
28141	TMP246_LN_Aurora_Reed_Springs_161_kv_LO_LN_Beaver_Eureka_S	SWPP	MISO,SWPP
28150	Beulah_Coyote115kv_Flo_Center_SquareButteWest230kv	MISO	MISO
28156	Pres_Tibbs_138_flo_NewBourbon_SMNY_138	MISO	MISO
28176	HotSprings_500_115_AT2_flo_Sheridan_MagnetCove_500	MISO	MISO
28177	OAHE_SULLYBT_FTLO_FTTHOMP_CHAPELLE_345	SWPP	MISO,SWPP
28181	Oahe_Sullybutte_230_kv_FTLO_Lelando_Olds_Chapel_34	SWPP	MISO,SWPP
28182	Stillwell_345_138_XFMR_flo_Stillwell_Dumont_345	MISO	MISO
28191	Split_Rock_Stoux_City_345_flo_Nobles_Lakefield_Junction_345	MISO	MISO
28219	TMP209_SUB3456_SUB3455_345kv_ftlo_SUB3456_SUB3459_345kv	SWPP	MISO,SWPP
28224	TMP631_CBLUFFS_SUB1206_161VK_FTLO_CBLUFFS_SUB3456_345KV	SWPP	MISO,SWPP
28246	TMP672_XF_Watertown_345_230_kv_XF_FTLO_LN_Wilmart_Sheas_Lake_3	SWPP	MISO,SWPP
28247	981_Cres_Rid_7713_138kv_lo_Corbin_Hennepin_1516_138kv	PJM	MISO,PJM
28248	TMP267_LN_Fostoria_Wisdom_Junction_69_kv_FTLO_LN_Triboji_Cay	SWPP	MISO,SWPP
28249	ZACH_345_161_TR1_FLO_MAYWOOD_ZACHARY_345	MISO	MISO
28256	TMP251_XF_Watertown_345_230_FTLO_Deuel_County_Bigstone_South_345	SWPP	MISO,SWPP
28264	Astoria_TR1_345_115_Flo_Watertown_White_345	MISO	MISO
28276	Broadford_Sullivan_500kv	PJM	MISO,PJM
28283	Choctaw_FrenchCamp_500kv_flo_WolfCreek_FrenchCamp_500kv	MISO	MISO
28301	Powerton_Towerline_138_kv_lo_L138_KewaneeEast_Bureau	PJM	MISO,PJM
28304	Lallendorf_Monroe345kv_FLO_Lemoyne_Majestic345kv	MISO	MISO
28309	MOPI_28304_Lallendorf_Monroe345kv_FLO_Lemoyne_Majestic345kv	MISO	MISO
28312	Tmp150_MCORE_NW68HOL_345kv_LN_ftlo_103_Roke_Wagener_345kv_LN	SWPP	MISO,SWPP
28317	Monroe_Lallendorf_345kv_FLO_Lemoyne_Majestic345kv	MISO	MISO
28318	MOPI_28317_Monroe_Lallendorf_345kv_FLO_Lemoyne_Majestic345kv	MISO	MISO
28319	Monroe_Lallendorf_345	MISO	MISO
28321	MOPI_28319_Monroe_Lallendorf_345	MISO	MISO
28327	Drayton_Letellier230kv_L20D_North_Flow_Flo_Riel_Roseau_Forbes50	MISO	MISO
28340	TMP293_RUGBY230_RUGBY_115kv_ftlo_RUGBY230_BALTA_CT_230kv	SWPP	MISO,SWPP
28341	TMP674_XF_Watertown_345_230_kv_FTLO_White_Split_Rock_345_kv	SWPP	MISO,SWPP
28346	HOPE_CB_161_69_XF_ftlo_WEBSTER2_WRIGHT2_161_kv	SWPP	MISO,SWPP
28347	LELANDO_LOGANWA_230_kv_FTLO_PATENT_G_CHAR_CK_345_kv	SWPP	MISO,SWPP

28350	LOGANSP_JOAQUIN_138kv_ftlo_CROCKETT_ROCKYC_345kv	SWPP	MISO,SWPP
28368	TMP668_WISDMJCB_WISDOMCB_69kv_ftlo_DICY_LAKEFLD_161kv	SWPP	MISO,SWPP
28379	Paddock_T21_345_138_FTLO_Byron_Wayne_345	MISO	MISO
28383	MORRIS_230_115_kv_XF_Flo_Deuelco_Astoria_345kv	MISO	MISO
28396	Temporary_691_FTSXFRFTSXFR	SWPP	MISO,SWPP
28397	FREBPORT_500_161kv_Bank_flo_Driver_to_San_Souci_500kv	TVA	MISO,TVA
28405	Batevil_to_Tallahachi_TP_161kv_flo_Driver_to_San_Souci_500kv	TVA	MISO,TVA
28411	Sikeston_Miner_161kv_flo_New_Madrid_Essex_Lutesvill_345kv	MISO	MISO
28412	QuadCities_RockCreek_345kv_flo_Cordova_Sub39_345kv	MISO	MISO
28413	SEPolk_9T1_345_161_flo_SEPolk_Norwalk_345	MISO	MISO
28416	TMP669_BVISTA_TURSDLCB_69kv_ftlo_POMEROY_HAYESAVE_161kv	SWPP	MISO,SWPP
28425	TEMP19_LELANDO_345_230_XF2_ftlo_LELANDO_345_230_XF1	SWPP	MISO,SWPP
28430	Bigstone_Highway12_115_FLO_BigstoneSouth_DeuelCo_345	MISO	MISO
28435	Kokomops_TiptonWest_230_flo_Dumont_Sorenson_765	MISO	MISO
28448	OVERTON_345KV_161KV_XFMR_FTLO_KINGDOM_CITY_345KV_161KV_XFMR	MISO	MISO
28449	CALIFORNIA_APACHE_TAP_161KV_FTLO_KINGDOM_MCCREDIE_345KV	MISO	MISO
28459	Bigstone_Brown_230_flo_Brooking_co_Astoria_345	MISO	MISO
28461	RISING_TR1_345_138_FLO_FARADAY_ARLAND_345	MISO	MISO
28462	Mahomet_OCB_1303_flo_Dumont_WiltonCenter_765kv	MISO	MISO
28465	Kingdom_City_161kv_to_Williamsburg_161kv_flo_Overton_to_CalifUE1	AECI	MISO,AECI
28467	Kingdom_City_161kv_to_Williamsburg_161kv_flo_Boone_to_Millersbur	AECI	MISO,AECI
28468	Kingdom_City_161kv_to_Williamsburg_161kv_flo_McCredie_to_Montgom	AECI	MISO,AECI
28469	Henry_County_to_Denmark_161kv_flo_Zachary_to_Hughes_345kv	AECI	MISO,AECI
28470	MaxburgWinterset_161KV_Flo_BeaverCr_Crimes_345kv	MISO	MISO
28477	Forman__TR1_Flo_BigStoneSouth_TwinBrooks345Kv	MISO	MISO
28490	Fletcher_xfmer1_to_Fletcher_flo_St_Francois_to_Lutesville	TVA	MISO,TVA
28505	Labadie_Gray_Summit_2_345_flo_Labadie_Wildwood_Mason_345	MISO	MISO
28514	TMP103_WHITE_BROOKNGS_115_kv_FTLO_HAWKN_LK_LYON_CO_345_kv	SWPP	MISO,SWPP
28520	Tanner_Jasper_138_flo_W_Frankfort_Mt_Vrnon_345	MISO	MISO
28521	Shocky_Dirk_138_flo_Kincaid_Latham_345	MISO	MISO
28523	Mahomet_OCB_1303_138kv_flo_Paxton_Gifford_138	MISO	MISO
28524	TMP487_Sub_1211_Sub_701_161_kv_FTLO_Council_Bluffs_Sub_3456	SWPP	MISO,SWPP
28525	TMP229_Welsh_Diana_345kv_LN_ftlo_Welsh_Diana_345kv_LN	SWPP	MISO,SWPP
28531	Weedman_Mahomet_138_flo_Pontiac_Dresden_345	MISO	MISO
28547	TMP134_BISMARK2_ESTBMRK_ftlo_MANDAN_WARDWA	SWPP	MISO,SWPP

28552	Mabelv_AT2_flo_Mabelv_Sh_EHV_Mabelv_WrightsV_500	MISO	MISO
28554	Maxbug_WinterSetJunction161Kv_Flo_RaccoonTrial_ArborHill161Kv	MISO	MISO
28555	Hampton_BlueLake_345Kv_Flo_ScottCounty_Helena_345Kv	MISO	MISO
28557	SugarCrk_Dresser_345_flo_Cayuga_Eugene_345	MISO	MISO
28559	345_138_111_Electric_Junction_TR81_o_L345_111_Electric_Jct_L	PJM	MISO,PJM
28560	SHEFFLD_AMCO_FLO_BURNHAM_MUNSTER	MISO	MISO
28562	SHEFFLD_AMCO_FLO_WC_DUM	MISO	MISO
28564	FARADAY_138_345KV_FTLO_KINCAID_LATHAM_345KV	MISO	MISO
28565	Weedman_Mahomet_138kv_FTLO_Latham_Kincaid_345kv	MISO	MISO
28569	WISDOM_SPENCER161_FLO_LITTLESOUX_CLIPPER_161	MISO	MISO
28570	BELLEAU_HUSTER_A_138_flo_LABADIE_MONTGOMERY_345	MISO	MISO
28579	SEPolk_9T1_161_345_flo_Norwalk_9T1_345_161	MISO	MISO
28587	McHenry_Voltaire_115_FTLO_Balta_McHenry_230	MISO	MISO
28588	Prairie_TR1_345_230_XF_FTLO_Center_Jamestown_345	MISO	MISO
28590	Overton_McBaine_161kv_flo_McCredie_Kingdom_45kv	MISO	MISO
28601	Batesvil_Hubb_138_flo_Tannerscreek_Dearborn_345	MISO	MISO
28605	Downtown_Tie_to_East_MainSt_138_flo_Kincaid_Austin_345	MISO	MISO
28608	BullShoals_Midway_161kv_flo_Indepen_HolBot_500kv	MISO	MISO
28609	Darvil_Ola_115_flo_RussvIS_DardD_161	MISO	MISO
28617	BSSouth_Big_Stone_230_FTLO_Brookings_Co_Astoria_345	MISO	MISO
28619	Doud_BooneJunction_161kv_flo_Karma_PerryWillis_161kv	MISO	MISO
28620	Eugene_Cayuga_345_FTL_Kansas_SugarCK_345	MISO	MISO
28622	Batesvil_Hubb_138kv_flo_Sorenson_Marysvil_765kv	MISO	MISO
28624	Tanners_Creek_Dearbon_345kv_lo_L765_Marysvil_Sorenson	PJM	MISO,PJM
28625	Overton_345_161_TR1_flo_Bondurant_Montezuma_345	MISO	MISO
28626	Kildeer_TR1_161_345Kv_Flo_Colby_Kildeer_345Kv	MISO	MISO
28629	TMP145_Raun_Tekamho_161kv_LN_flo_Raun_Hoskins_345kv_LN	SWPP	MISO,SWPP
28630	S3_GRANITF_115KV_FLO_LYON_CO_HAZELCRK_345kv	SWPP	MISO,SWPP
28631	Reynolds_345_138_FLO_Reynolds_Burr_Oak_345	MISO	MISO
28634	BSSouth_BigStone_1_230_flo_Ellenda_Oakes_230	MISO	MISO
28635	St_John_XFMR2_345_138_flo_Wilton_Center_Dumont_765	MISO	MISO
28637	BSSouth_Bigstone_1_230_flo_Brookings_Co_Astoria_345	MISO	MISO
28638	Stillwell_Dumont_345kv_lo_Green_Acres_Olive_345	PJM	MISO,PJM
28641	Duneacre_Michcity_1_138_FLO_Babcock_Stillwell_345	MISO	MISO
28643	Sheffield_Amooco_138_FLO_Sheffield_345_138_TR2	MISO	MISO

28649	REDRV	MSFLD_B_FTLO_EEC3W13_SAREPTA_LONGWOOD_345	MISO	MISO
28650		Boonevill_345_161_xfmr_flo_Madison_County_Norwalk_345	MISO	MISO
28653	15518Line	GardenPlains138kv_flo_Sub91QuadCit161kv_SubTR1_345161kv	PJM	MISO,PJM
28655		Boonevill_Maffitt_Lake_Tap_161_flo_Madison_County_Norwalk_3	MISO	MISO
28656		Boonevill_Maffitt_Lake_Tap_161_flo_Norwalk_345_161_TR1	MISO	MISO
28657	ELLEN	NDL_ABDNJCT_115kv_FTLO_ASTORI_DEUELCO_345kv	MISO	MISO
28660		Grimes_AT1_345_161_XFMR_FLO_Grimes_Sycamore_345_1	MISO	MISO
28664		Astoria_TR1_345kv_115kv_Flo_BrookingCounty_Astoria_345Kv	MISO	MISO
28665		Split_Rock_Sioux_Falls_230kv_FLO_Raun_Sioux_City_345kv	SWPP	MISO,SWPP
28666		Pipestone_Split_Rock_115kv_FLO_Nobles_Split_Rock_345kv	MISO	MISO
28668	TMP221	Belfeld_230_345_KU2A_FTLO_Belfeld_345_230_KU1A	SWPP	MISO,SWPP
28676	TMP370	SIOUXCY_230_161_kv_XF_ftlo_EAGLE_230_69_kv_XF	SWPP	MISO,SWPP
28678	TEMP18	FARGO_SHEYNNE_230kv_ftlo_RIEL_RIEL_500kv	SWPP	MISO,SWPP
28679	TMP690	BISMARK2_ESTBMRK_115KV_FTLO_MANDAN_230_115KV_XFMR	SWPP	MISO,SWPP
28682	TMP737	LN_SUB1221_SUB1231_161_kv_FTLO_LN_SUB3459_SUB3456_161	SWPP	MISO,SWPP
28683	TEMP63	FARGO_SHEYNNE_230kv_ftlo_BIGSTON_BROWNSV_230kv	SWPP	MISO,SWPP
28694	TMP408	WELSBGCB_ELDORAC8_69kv_ftlo_WELSBRG_N_BORDER_161kv	SWPP	MISO,SWPP
28696		QuadCities_RockCreek_345kv_flo_MorganValley_Tiffin_345kv	MISO	MISO
28697		QuadCities_RockCreek_345kv_flo_QuadCities_Sub91	MISO	MISO
28701		MapleSt_Chrysler13811_flo_Leesburg_Deedsville345kv	MISO	MISO
28702		StJohn_LibertyPark_138_flo_StJohn_Schahfer_345	MISO	MISO
28703		Batesvil_Hubb_138_flo_EastBend_Terminal_345	MISO	MISO
28704		Mittal_2_Roxana_138_FLO_Amoco_Marktown	MISO	MISO
28706		Kenmare_Stanley_115_flo_Patingate_Charlie_Creek_345	MISO	MISO
28708	TMP232	SUB1226_TEKAMHO_161_kv_FTLO_SHELLCRK_HOSKINS_345KV	SWPP	MISO,SWPP
28709		Ellendal_AberdeenJunction_115_flo_Ellendal_230_345_TR1	MISO	MISO
28711	TMP213	DIANA_345_138_XF_ftlo_DIANA_345_138_XF	SWPP	MISO,SWPP
28718		Kokomo_Tipton_West_230_flo_Nucor_Cayuga_345	MISO	MISO
28731	CHIS	HELBIG_A_FLO_HARTBURG_CYPRESS_500kv	MISO	MISO
28732		Hankinson_Wahpeton_230	MISO	MISO
28733		Hankinson_Wahpeton_230kv_FLO_Mandan_Napoleon_230kv	MISO	MISO
28736		345_138_Pierce_xtr_BK18_for_I_o_L345_TannersCreek_MiamiFort	PJM	MISO,PJM
28737	TMP750	SUB3740_SUB3455_345kv_ftlo_WAGENER_SUB3454_345kv	SWPP	MISO,SWPP
28742		Shawnee_Joppa_3_161_flo_Shawnee_Joppa_4_161	MISO	MISO
28750	TMP67	LN_Burt_Bancroft_69_kv_FTLO_LN_Burt_Osgood_161_kv	SWPP	MISO,SWPP

28754	Dandanel_Dam_Hilltop_161kV_FLO_Quitman_Clinton_West	SWPP	MISO,SWPP
28771	CORDOVA_SUB_39_345_kV_FLO_QUADCITY_SUB_91_345_kV	MISO	MISO
28773	QUADCITY_SUB_91_345_kV_FLO_CORDOVA_SUB_39_345_kV	MISO	MISO
28775	Weisburg_Hubb138kV_flo_Miamifort_Tanners345kV	MISO	MISO
28777	TMP799_SIDNEYM_SIDNEY_230kV_fto_SIDNEYM_KEYSTONE_345kV	SWPP	MISO,SWPP
28778	Cayler_Wisdom_161_kV_FLO_Irvington_Webster_345_kV	MISO	MISO
28779	Lakeview_Zion_138_flo_PleasantPraire_ZionEC_345	PJM	MISO,PJM
28783	TMP684_EXIRAWA_ANTA_TP_161_kV_FTLO_BVRCRFBG_GRIMES_345kV	SWPP	MISO,SWPP
28790	Cordova_Sub_39_345_kV_FLO_Quadcity_Sterling_Steel_345_kV	MISO	MISO
28791	TMP752_SIBLY161_ORRICK9_161_kV_ftlo_GRAINVLS_BLSPE_161_kV	SWPP	MISO,SWPP
28802	Hilltop_StJoe_161_FLO_BullShoals_TableRock_161	MISO	MISO
28821	RDT_HICKORY_NEWTON_115_FLO_WOLF_CREEK_MCADAMS_500	MISO	MISO
28822	RDT_LOST_GAP_HICKORY_115_FLO_WOLF_CREEK_MCADAMS_500	MISO	MISO
28831	Chicago_Usstock_138_FLO_Wilton_Center_Dumont_765	MISO	MISO
28835	Powerton_Tazewell_345_FTLO_Dresden_Mulberry_345	MISO	MISO
28836	Mchenry_TR1_115_230_flo_Center_Prairie_345	MISO	MISO
28839	TMP118_TMP3456_SUB1206_161kV_ftlo_SUB3456_SUB345_345kV	SWPP	MISO,SWPP
28841	Mallard_Souris_115_kV_flo_Voltair_Garrison_115_kV	MISO	MISO
28845	Sikeston_Miner_161_flo_Dell_SanSouci_500	MISO	MISO
28846	Minot_Souris_115_KV_Basecase	MISO	MISO
28847	Laurel_Jasper_161_flo_Dysart_Traer_161	MISO	MISO
28848	Mittal_2_Roxanna_138_FLO_Roxanna_Mitchell_Yard_138	MISO	MISO
28850	Sikeston_Miner_161_flo_Sanssu_Driver_500	MISO	MISO
28852	TMP756_WELSBGCB_WELSBRGEA_69kV_ftlo_WELSBRG_Madison_161kV	SWPP	MISO,SWPP
28854	TMP329_Garriss_Voltair_115kV_ftlo_Center_Prairie_345kV_LN	SWPP	MISO,SWPP
28859	Magnolia_East_Magnolia_Steel_115kV_flo_El_Dorado_500_345_AT2	MISO	MISO
28860	OZARKBEACH_OMAHA_161_kV_FLO_OSAGE_GRANDVIEW_161_kV	MISO	MISO
28861	Northwest_tap_WestLafayette138_flo_MeadowLk_Reynold345_34531	MISO	MISO
28865	Majestic_Lemoyn_345_flo_Morocco_Monroe_Milan	MISO	MISO
28883	LTVSteel_Hennepin_138_FLO_Powerton_TWRL_138	PJM	MISO,PJM
28884	Petersburg_TR1_345_138_flo_Petersburg_Gibson345	MISO	MISO
28885	Kewanee_Hennepin_1552_flo_Hennepin_Woodhall_1512	PJM	MISO,PJM
28886	NW_Tap_West_Lafayette_138_flo_Reynolds_765_345_xfmr	MISO	MISO
28890	TMP543_BROADDUS_PINELAND_138_kV_ftlo_HARTBG_LAYFIELD_500_kV	SWPP	MISO,SWPP
28891	BUREAU_LTVSTEEL_1552_138kv	PJM	MISO,PJM

28894	TMP369_BROADDADDUS_PINELAND_138_kv_ftlo_TENASKA_CROCKETT_345_k	SWPP	MISO,SWPP
28899	sub_70_sub88_161_kv_FLO_Cordova_sub_39_345_kv	MISO	MISO
28900	Northwest_tap_WestLafayette138_flo_Springboro_Monticello_13807	MISO	MISO
28901	Sub_74_sub_58_161_kv_FLO_Sub_56_Sub_91_345_kv	MISO	MISO
28902	sub_71_sub_88_161_kv_FLO_Cordova_sub_39_345_kv	MISO	MISO
28903	sub88_sub_70_161_kv_FLO_Cordova_sub_39_345_k	MISO	MISO
28905	Hayes_FE_Avery_138kv_line_for_l_o_Beaver_Lake_Ave_Ckt_1_345kv	PJM	MISO,PJM
28906	Hayes_FE_345_138_TR1_for_l_o_Beaver_Hayes_345kv	PJM	MISO,PJM
28911	Sub_77_Sub_74_161_kv_FLO_Sub_56_Sub_91_345_kv	MISO	MISO
28912	Sub_91_Enron_161_kv_FLO_Sub_56_Sub_91_345_kv	MISO	MISO
28913	Sub_91_Utica_Rid_161_kv_FLO_Cordova_Sub_39_345_kv	MISO	MISO
28918	Karma_Perry_Willis_161kv_flo_Grimes_Beaver_Creek_Wind_Farm_345KV	MISO	MISO
28919	New_Bourbon_Seminary_138_kv_FLO_Prairie_St_W_Mt_Vernon_345_kv	MISO	MISO
28924	TMP788_Grand_Forks_230_115kv_XFMR_ftlo_Prairie_Drayton_OTP_230	SWPP	MISO,SWPP
28925	L138_Nasa_Beaver_for_l_o_L345_Beaver_Hayes	PJM	MISO,PJM
28926	08NW_WLAFY_138kv_FLO_CAYUGA_CAYUGA_345	MISO	MISO
28927	Bureau_LTV_Steel_138_kv_l_o_L138_Corbin_Rutland	PJM	MISO,PJM
28928	Bureau_LTV_Steel_138_kv_l_o_Fargo_Sandberg_345_kv	PJM	MISO,PJM
28930	Doud_Boone_Junction_161kv_flo_Story_County_Marshall_Town_161kv	MISO	MISO
28933	TMP813_TH_HILL_SALISBRY_161_kv_FTLO_TH_HILL_MCO2_345KV	SWPP	MISO,SWPP
28936	Weisburg_Hubb_138kv_flo_Batesvil_Ghent_345kv	MISO	MISO
28937	BULL_SHOALS_MIDWAY_161_FLO_BULL_SHOALS_GAINESVILLE_161	MISO	MISO
28942	TMP814_Raun_Tekamho_FTLO_BeaverCreek_Grimes	SWPP	MISO,SWPP
28943	MUDLAKE_RIVR_230_BASECASE	MISO	MISO
28951	LYON_CLARKSDALE_115_kv_FLO_DELTA_CLARKSDALE_115_kv	MISO	MISO
28965	TMP828_Voltair_Denbight_115kv_FTLO_COAL_CR_UNDERWOOD_HARVEY	SWPP	MISO,SWPP
28967	TMP842_Creston_Maryvil_161_kv_FTLO_Cooper_Fairport_St_Joe	SWPP	MISO,SWPP
28969	Hills_Tiffin_345kv_flo_QuadCities_RockCreek_345kv	MISO	MISO
28973	TMP845_WAGENER_SUB3454_345kv_ftlo_SUB3740_NEBRASKA_CITY_345kv	SWPP	MISO,SWPP
28975	Duneacre_Michigan_City_13843_138_flo_Wilton_Center_Dumont_765	PJM	MISO,PJM
28978	Macksburg_Winterset_Jct_161kv_flo_Maryvil_Maryvil_St_Joe_161kv	MISO	MISO
28979	Ritchie_Tunica_230kv_flo_Sans_Souci_Driver_500kv	MISO	MISO
28980	Lehigh_Webster_345kv_flo_Raun_Ida_County_West_345kv	MISO	MISO
28981	O'Brien_County_Lakefield_345kv_flo_Ledyard_Kossuth_County_345kv	MISO	MISO
28982	West_Memphis_AT1_500_161kv_flo_Independence_Holland_Bottom_500	MISO	MISO

28985	Emery_Colby_161kV_flo_Killdeer_T1_345_161kV		MISO	MISO
28986	Clarksda_Lyon_115kV_flo_Delta_Shelby_Clarksda_15kV		MISO	MISO
28993	Louisa_Sub_T_345_FLO_Quad_Cities_Rock_Creek_345		MISO	MISO
28994	Sub_56_345_161_XF_FLO_Cordova_Sub_39_345		MISO	MISO
28995	Sub_56_345_161_XF_FLO_Quad_Cities_Rock_Creek_345		MISO	MISO
28997	Sub_T_Louisa_FLO_Hugh_Zachary_345		MISO	MISO
29002	Big_Stone_Hwy12_115kV_flo_Blair_Big_Stone_230kV		MISO	MISO
29013	TMP271_LN_Tekamho_Raun_161_kv_FTLO_LN_Fort_Calhoun	Raun_345	SWPP	MISO,SWPP
29015	Dunearo_Michigan_City_13839_138kv_flo_Wilton_Center_Dumon_765		PJM	MISO,PJM
29016	Northwest_Tap_West_Lafayette_138_flo_Rockport_Jefferson_765		MISO	MISO
29020	Clarinda_Hastings_161_FLO_Cooper_Fairport_StJoe_345		MISO	MISO
29021	Lime_Creek_Barton_161kV_flo_Sheas_Lake_Helena_345kV		MISO	MISO
29022	Sheas_Lake_Helena_345kV_Basecase		MISO	MISO
29024	Orient_NBoro_345_FLO_Norwalk_345_161_Xfmr		MISO	MISO
29025	Atchison_Cooper_345_FLO_MadisonCo_Orient_345		MISO	MISO
29026	Maxburg_Creston_161_FLO_Ottumwa_Hugh_345		SWPP	MISO,SWPP
29032	NorthwestTap_WestLafayette138_flo_Cayuga345_230XF9		MISO	MISO
29033	Sheffield_Amoco13877_flo_Sheffield_Marktown13878		MISO	MISO
29037	HORN LAKE_FREEPORT_161_kv_FLO_FREEPORT_500_230_XF		MISO	MISO
29039	TMP827_NEBRCTY_SUB3456_345kV_FTLO_WAGENER_SUB3454_345kV		SWPP	MISO,SWPP
29044	Anita_Tap_Anita_161kV_flo_Macksburg_Wintersest_Jct_161kV		MISO	MISO
29047	SBPIC_CORALRDG_161_FLO_HILLS_TIFFIN_345		MISO	MISO
29050	Webster_Wright_161kV_flo_Colby_Killdeer_345kV		MISO	MISO
29056	TMP867_SIOUXFL_FLANDRU_FTLO_SHEASLK_WILMART_345kV		SWPP	MISO,SWPP
29059	WallLake_Franklin_161_flo_Ledyard_Kossuth_345		MISO	MISO
29062	SplitRock_SiouxCity_345_flo_Ledyard_Huntley_345		MISO	MISO
29072	Thomas_Hill_Moberly_Tap_161_flo_Thomas_Hill_to_McCredie_345		TVA	MISO,TVA
29074	Big_Stone_Hiway12_115kV_FLO_Deuel_Co_Astoria_345kV		MISO	MISO
29076	Cooper_Atchisn_345_FLO_Ottumw_Hugh_345		MISO	MISO
29078	TMP609_WaterTown_SummitW_115kv_LN_ftlo_CrockerW_Groton_345kv_LN		SWPP	MISO,SWPP
29087	Vermillion_Tilton_138_FTLO_Sidney_Bunsonvil_345		MISO	MISO
29088	Lawrencevil_South_Vincennes_138_flo_Sugar_Creek_Kansas_345		MISO	MISO
29089	TMP872_RAUN_FT_CAL_345_kv_FTLO_SHELLCRK_HOSKINS_345kV		SWPP	MISO,SWPP
29090	TMP868_VOITAIR_MCHENRY_115_kv_FTLO_COAL_CR_STANTON2_230kV		MISO	MISO
29091	ATCHISNM_COOPER_345_FLO_PONYCRK_ROLLHILLS_345		MISO	MISO

29093	CANBY_GRANITF_115_FLO_HELENAMN_SHEASLK_345		MISO	MISO
29094	MAXBURG_CRESTON_161_FLO_ROLLHILLS_ORIENT_345		SWPP	MISO,SWPP
29095	Canby_GraniteFalls_115kV_FLO_Bigstone_BrwnsValley_NewEfrngtn_230		MISO	MISO
29104	Lyon_Co_TR9_345_115kV_flo_Sheas_Lake_Wilmarth_345kV		MISO	MISO
29107	TMP900_SIBL_KCP_OVER_345_kV_FTLO_MEC_BONDRNT_MNT_ZUMA_345kV		MISO	MISO
29108	Guion_345_138_xfmr_N_flo_Hortonvill_Whitestown_345		MISO	MISO
29112	Cayuga_HillsdN230_flo_Nucor_Cayuga345		MISO	MISO
29114	SUB56_SUB85_161_FLO_CORDOVA_SUB39_345		MISO	MISO
29120	WallaceLake_IPMansfield_138_FLO_SWSHrevport_DoletHills_345		MISO	MISO
29126	Albion_South_Gibson_345_flo_Kansas_Sugar_Creek_345		MISO	MISO
29131	Zachary_Adir_161kV_flo_Zachary_Maywood_345V		MISO	MISO
29133	Hankinson_Wahpeton_230kV_FLO_BrookingsCo_Astoria_345		MISO	MISO
29136	TMP883_FARGO_SHEYNNE_230kV_FTLO_OTP_HANKSON_WAHPETN_230kV		SWPP	MISO,SWPP
29142	Allen_RPMone_345kV_I_o_L765_Marysvil_Sorenson		PJM	MISO,PJM
29144	MCLEODN_TR1_FLO_SCOTTO_HELENAMN_345kV		MISO	MISO
29145	Mcleod_230kV_115_kV_XFMR_TR1_Basecase		MISO	MISO
29151	S3_GraniteFalls115_FLO_Hawks_Nest_Lyon_Co345_Red_Pine_Generation		SWPP	MISO,SWPP
29152	Watertown_345_230_FLO_HawksNest_Lyon_Co_345_Red_Pine_Generation		SWPP	MISO,SWPP
29153	Split_Rck_White_345_FLO_HawkNest_Lyon_Co_345_Red_Pine_Generation		SWPP	MISO,SWPP
29159	TMP897_HAMP_TP_HAMPTON2_161kV_FTLO_ACKLYACK_BUTLER2_161kV		SWPP	MISO,SWPP
29161	Lehigh_Webster_345kV_flo_HighlandWind_ObrienCounty_345kV		MISO	MISO
29162	Leeds_Plymouth_161kV_flo_Raun_SiouxCity_345kV		MISO	MISO
29163	Adams_TR9_161_345kV_flo_Adams_MitchelCountry_345kV		MISO	MISO
29166	Allen_RPMone_345_kV_I_o_Hanging_Rock_Jefferson_765_kV		PJM	MISO,PJM
29168	SUB56_SUB85_161_FLO_SUB39_OAKGROVE_345		MISO	MISO
29180	Moro_Lacledesteel_N_tp_138_FLO_Moro_Roxford_345_kV		MISO	MISO
29186	Rezzy_Moro_138_flo_Moro_Coffeen_North_4551_345		MISO	MISO
29188	TMP911_LONGWOO_OAK_PHEC_138_FTLO_LONGWOO_SWSHREV_345		SWPP	MISO,SWPP
29192	Coleman_Davies_345_kV_flo_AB_Brown_Reid_345_kV		LGEE	MISO,LGEE
29193	BR_tap_Paradise_flo_Paradise_CC_2		TVA	MISO,TVA
29194	Iowa_Falls_Industrial_Farmland_Tap_69kV_flo_Abbott_Traer_161		MISO	MISO
29202	Morris_GrantCounty_115kV_FLO_Fargo_Moorhead_230kV		MISO	MISO
29204	HILLS_SUB89_161_FLO_SUB93_SUB92_HILLS_WALCOTT_345		MISO	MISO
29206	HILLS_SUB92_345_FLO_QUADCITY_ROCK_CK_345		MISO	MISO
29219	St_John_345_138kv_Xfmr_flo_Green_Acre_St_john_345_kv		MISO	MISO

29224	TMP745_CRESTON	NW_MAXBURG_161_FTLO_GENTRY_NODAWAY	FAIRPORT_161	SWPP	MISO,SWPP
29230	TMP808_RANG	PLCN_69KV_FTLO_LAKEFLD_DICY_161KV		SWPP	MISO,SWPP
29233		Mittal_2_Roxanna_138_FLO_Marktown_Mittal_5_138		MISO	MISO
29234		Mittal_2_Roxanna_138_FLO_Mittal_5_Chicago_Ave_138		MISO	MISO
29237		Wallace_Lake_IP_Mansfield138kvflo	Sarepta_Longwood345kv	MISO	MISO
29242	TMP276_ETOIL	BROADDUS_138_kv_ftlo_TENASKA_CROCKETT_345_kv		SWPP	MISO,SWPP
29247		Maryvil_Nodaway_161kv_FLO_Creston_Maryvil_161kv		TVA	MISO,TVA
29248		Lacledesteel_N_tp_Moro_138_kv_FLO_Moro_Roxford_345_kv		MISO	MISO
29249	TWINKLETOWN	ROBINSONVILLE_230_kv_FLO_SHAVEN_500_230_XF		MISO	MISO
29251		Prest_Tibbs_138_kv_FLO_Aster_commodore_345_kv		MISO	MISO
29253	FULTON_C_PAT	WX_115_kv_FTLO_DOLET_SWSHREV_345kv		SWPP	MISO,SWPP
29254	TMP781	Pittsburg_Semino_345_kv_FTLO_Canadian_River_Pittsb		SWPP	MISO,SWPP
29257		BearCreek_RockCreek_230kv_Basecase		MISO	MISO
29258		SUB92_HILLS_345_FLO_QUADCITY_ROCK_CK_345		MISO	MISO
29279		Split_Rock_TR6_161_115kv_flo_Helena_Sheas_Lake_345kv		MISO	MISO
29286		Parkers_Elm_Creek_345kv_flo_Coon_Creek_Dickinson_345kv		MISO	MISO
29288		Decatur_Junction_East_Main_Street_138_flo_ADM_North_Mt_Zion_138		MISO	MISO
29292		Benton_County_Mudlake_230_kv_FLO_Quarry_Riverview_345		MISO	MISO
29298		Lime_Creek_Barton_161_flo_Killdeer_Quinn_345		MISO	MISO
29302	BROKAW_345	138kv_TR2_FLO_BROKAW_SOUTH_BLOOMINGTON_345kv		MISO	MISO
29304		Rising_Bondvil_138_flo_Rising_Sidney_345		MISO	MISO
29305		Macksburg_Winterset_Jct_161kv_flo_Madison_County_Norwalk_345kv		MISO	MISO
29308		BEAVRCH_SUB49_161k_flo_Cordova_Sub39_345kv		MISO	MISO
29309		Dolet_Auto_345_230_flo_Lebrock_Tenaska_345		MISO	MISO
29314		Leghorn_Goose_Creek_345kv_flo_Clinton_Brokaw_345kv		MISO	MISO
29319	TMP450	TEKAMHO_SUB1226_161_FTLO_GRIMES_BVRCR_FBC_345		SWPP	MISO,SWPP
29322		Lime_creek_Barton_161_kv_FLO_Glenworth_Hayward_161_kv		MISO	MISO
29327		W_Memphis161_500kv_AT1_flo_Keo_W_Memphis_500kv		MISO	MISO
29328		Shelby_Dr_SE_Gate_FLO_Freepport_Cordova		TVA	MISO,TVA
29329		Oakvil_SE_Gate_FLO_Freepport_Cordova		TVA	MISO,TVA
29333		Essex_Stoddard161_flo_NewMad_Essex_Luts345		AECI	MISO,AECI
29342	GIBSON	_FRANCISCO_345_FLO_AB_BROWN_EHV_GIBSON_345		MISO	MISO
29351		Heritag_345_161_XFM1_flo_Kelso_Lutsvill_345		MISO	MISO
29352	TMP939_CRESTON	NW_MAXBURG_161kv_ftlo_EXIRAWA_DENISON_161kv		SWPP	MISO,SWPP
29359		Tiptonvil_Polk_161_flo_WMemphis_Birmingham500		TVA	MISO,TVA

29361	Grand_Junction_Karma_161kV_FLO_Grimes_Beaver_Creek_Wind_Farm	MISO	MISO
29365	Harmony_Genoa_161kV_FTLO_BriggsRoad_North_Rochester_345	MISO	MISO
29367	New_Madrid_Tiptonvil_161kV_FLO_W_Memphis_Birmingham_500kV	TVA	MISO,TVA
29369	West_Memphis_AT1_161_500kV_flo_Sans_Souci_Driver_500kV	MISO	MISO
29370	Brinkley_East_Palestine_161_flo_Independence_Holland_Bottom_500	MISO	MISO
29374	Quitman_HeberSpringSouth_161_FLO_HollandBottom_Independence_500	MISO	MISO
29380	ANITA_ANITATAP_161_FLO_Boone_Grand_Junction_161	MISO	MISO
29381	Boone_Junction_24Stan_161_FLO_Grimes_BeaverCreek_345	MISO	MISO
29382	Boone_Junction_24Stan_161_FLO_Marshalltown_Timbercreek_161	MISO	MISO
29386	TMP831_Tande_Neset_230kV_ftlo_Judson_345_230_XFMR	SWPP	MISO,SWPP
29390	TMP933_BELMNDCB_ALEXNDCB_69_ftlo_BISONSS_COLBY_345	SWPP	MISO,SWPP
29392	Palisades_Rossevelt_345kV_flo_Palisades_Argenta_2_345	MISO	MISO
29395	MOPI_FG29392	MISO	MISO
29406	Sioux_Falls_Split_Rock_230kV_FLO_Raun_Remsen_345kV	MISO	MISO
29414	Roxanna_mitchell_138_FLO_Marktown_Chicago_Ave_138	MISO	MISO
29415	McHenry_TR1_230_115_FLO_RUGBY_OTP_WAUE_115	MISO	MISO
29433	Jacksonvil_North_HollandBottom_115_FLO_Keo_HollandBottom_500	MISO	MISO
29437	TMP802_Williams_Buckner_69_kv_FTLO_Colby_Bison_345_kv	SWPP	MISO,SWPP
29438	FRES_TIBBS_138_kv_FLO_Commodore_Jord_345_kv	MISO	MISO
80001	WOLFPPOLA11_1_1_115_WOLF_POINT_TO_POPLAR_115	MISO	MISO
80002	GARRISNK_C11_1_1_SNAKE_CREEK_TO_GARRISON_115	MISO	MISO
80003	CHARCK_PATENT_A_CHARLIE_CREEK_TO_PATENT_GATE_345	MISO	MISO
80004	FAIRVRICHL11_1_1_RICHLAND_TO_WEST_FAIRVIEW_115	MISO	MISO
80005	CHAR_WATFO23_1_CHARLIE_CREEK_TO_WATFORD_CITY_230	MISO	MISO
80006	BLAISLOGAN23_1_LOGAN_TO_BLAISDELL_230_	MISO	MISO
80007	TIOGATIOWP23_1_BDV_TO_TIOGA_230	MISO	MISO