

FG ID	OASIS Pathcode	Owner	Winter Rating	Winter TRM	Winter CBM	Summer Rating	Summer TRM	Summer CBM	TRM Factor A	TRM Factor B	PIRULE	CIRULE
53	AEPTDOMPTYMTS	PJM	5734.0	287.0	0.0	5734.0	287.0	0.0	1	0.0	100	30
54	AEPTDOMCUDWYO	PJM	4206.0	210.0	0.0	4206.0	210.0	0.0	1	0.0	100	30
56	AEPTDOMBEDBLO	PJM	5542.0	277.0	0.0	5542.0	277.0	0.0	1	0.0	100	30
57	AEPTDOMCLVJAK	PJM	4555.0	228.0	0.0	4555.0	228.0	0.0	1	0.0	100	30
58	AEPTDOMCLOVER	PJM	4502.0	225.0	0.0	4502.0	225.0	0.0	1	0.0	100	30
59	AEPTDOMI_PTDF	PJM	6016.0	301.0	0.0	6016.0	301.0	0.0	1	0.0	100	30
251	BAKBROCULWYO	PJM	4991.0	97.0	0.0	4142.0	83.0	0.0	1	0.0	100	30
280	CLFDBNJEFGRN	PJM	1193.0	24.0	0.0	1099.0	22.0	0.0	0	0.0	70	30
501	PONWILDREELC	PJM	1241.0	73.0	0.0	1241.0	63.0	0.0	1	0.0	100	30
505	CDVNELQUA471	PJM	2390.0	69.0	0.0	2170.0	62.0	0.0	0	0.0	100	30
506	NELX84NELX82	PJM	392.0	27.0	0.0	392.0	27.0	0.0	0	0.0	100	30
507	NELX82NELX84	PJM	392.0	24.0	0.0	392.0	24.0	0.0	0	0.0	100	30
514	CORNEL471NEL	PJM	2390.0	116.0	0.0	2170.0	116.0	0.0	1	0.0	100	30
520	EFRGDB_PTDF	PJM	1602.0	32.0	0.0	1334.0	27.0	0.0	0	0.0	100	30
521	EFRGDR_PTDF	PJM	1602.0	80.0	0.0	1334.0	66.0	0.0	0	0.0	100	30
522	EFRCREWILDUM	PJM	1658.0	232.0	0.0	1483.0	209.0	0.0	1	0.0	100	30
527	NELSXFNELELE	PJM	392.0	30.0	0.0	392.0	30.0	0.0	1	0.0	100	30
536	WAUZIOZIONAC	PJM	264.0	17.0	0.0	264.0	15.0	0.0	1	0.0	100	30
544	OGLMAZKICLAS	PJM	253.0	16.0	0.0	223.0	14.0	0.0	1	0.0	100	30
549	ORSELWDRSELT	PJM	1821.0	93.0	0.0	1568.0	81.0	0.0	1	0.0	100	30
551	BURHEGSHEBUR	PJM	500.0	84.0	0.0	449.0	84.0	0.0	1	0.0	100	30
552	CHVSIL_PTDF	PJM	1497.0	75.0	0.0	1201.0	75.0	0.0	1	0.0	100	30
554	WILCENWILCOL	PJM	1200.0	78.0	0.0	1200.0	78.0	0.0	1	0.0	100	30
556	STLROXWILDUM	PJM	299.0	14.0	0.0	288.0	14.0	0.0	1	0.0	100	30
562	WILTO4MWILTO	PJM	1200.0	36.0	0.0	1200.0	36.0	0.0	1	0.0	100	30
563	WILTO3MWILTO	PJM	1200.0	35.0	0.0	1200.0	35.0	0.0	1	0.0	100	30
568	CREOGLHENKEV	PJM	229.0	12.0	0.0	180.0	10.0	0.0	1	0.0	100	30
575	QUAMECCORWEM	MISO	1406.0	57.82	11.2	1180.0	53.4	12.1	1	0.54	70	30
576	6101_3CRRG_2	PJM	229.0	10.0	0.0	201.0	8.0	0.0	1	0.0	100	30
582	KEWHENJCTNEL	PJM	229.0	10.0	0.0	201.0	8.0	0.0	1	0.0	100	30
585	ALBGARBMCMMB	PJM	326.0	17.0	0.0	299.0	16.0	0.0	1	0.0	100	30
586	ZIOWARWABZIC	PJM	1793.0	277.0	0.0	1568.0	239.0	0.0	1	0.0	100	30
587	MQVJMYAINTWT	PJM	392.0	21.0	0.0	392.0	21.0	0.0	1	0.0	100	30
588	ALBGARQUAESS	PJM	326.0	19.0	0.0	299.0	17.0	0.0	1	0.0	100	30

590	NELNELDIXNEL	PJM	392.0	25.0	0.0	392.0	25.0	0.0	1	0.0	100	30
591	ZIOLIBLIBPHT	PJM	1682.0	291.0	0.0	1391.0	249.0	0.0	1	0.0	100	30
592	ESSGARQUAROCC	MISO	206.0	18.56	4.8	178.0	18.56	4.5	1	0.81	70	30
1006	MARXFMBASCAS	AECI	100.0	3.63	0.0	100.0	3.0	0.0	1	0.0	85	15
1015	FAIROSBOBNHAF	AECI	293.0	3.6	0.0	222.0	3.6	0.0	1	0.0	100	30
1017	NWMDLLSHELGC	AECI	2088.0	0.1	0.0	2088.0	0.1	0.0	0	0.0	100	0
1018	NWMDLLISEDLL	AECI	2088.0	86.25	0.0	2088.0	86.25	0.0	0	0.0	85	15
1019	NWMDLLNWMTTV	AECI	2088.0	86.25	0.0	2088.0	86.25	0.0	0	0.0	100	0
1020	NWMXFMMSHCUM	AECI	750.0	43.1	0.0	750.0	43.1	0.0	0	0.0	100	0
1021	NWMXFMMSBLGC	AECI	750.0	43.1	0.0	750.0	43.1	0.0	0	0.0	100	0
1023	VOLPHIJEFROCC	TVA	1900.0	57.0	0.0	1900.0	57.0	0.0	1	0.0	100	30
1024	VOLPHICONMOS	TVA	1900.0	57.0	0.0	1900.0	57.0	0.0	1	0.0	100	30
1025	TRMCLFROCCJEF	LGEE	1697.0	166.1	0.0	1451.0	61.0	0.0	1	0.0	100	0
1026	MADWIDMAUBRF	TVA	2353.0	113.0	0.0	2119.0	110.1	0.0	1	0.0	100	30
1030	PALXFMADATHCC	AECI	386.0	15.45	0.0	336.0	15.45	0.0	1	0.0	100	0
1031	PALMXFADATHCC	AECI	386.0	15.45	0.0	336.0	15.45	0.0	1	0.0	100	0
1036	SHWMARSHESAN	TVA	1732.0	65.7	0.0	1732.0	65.7	0.0	1	0.0	100	30
1041	NMAD-LKEL-LU	AECI	1184.0	4.6	0.0	1184.0	4.6	0.0	1	0.0	100	30
1042	NMAD-L8MARSH	AECI	1184.0	4.6	0.0	1184.0	4.6	0.0	1	0.0	100	30
1044	COOPEFST_JOCC	AECI	1195.0	4.6	0.0	1195.0	4.6	0.0	1	0.0	100	30
1045	FAIRPTST_JOCC	AECI	1195.0	4.6	0.0	1195.0	4.6	0.0	1	0.0	100	30
1046	SOSBORFAIRPT	AECI	293.0	4.6	0.0	222.0	4.6	0.0	1	0.0	100	30
1048	NMAD-TSHEL12	TVA	634.0	25.3	37.7	600.0	23.3	37.7	1	0.0	100	30
1049	NEW_MANEW_MAD	AECI	750.0	4.6	0.0	750.0	4.6	0.0	1	0.0	100	30
1050	EW_MADEW_MAD	AECI	750.0	4.6	0.0	750.0	4.6	0.0	1	0.0	100	30
1051	W_MADTW_MADT	AECI	424.0	4.6	0.0	424.0	4.6	0.0	1	0.0	100	30
1052	MADXF2MADXF2	AECI	424.0	4.6	0.0	424.0	4.6	0.0	1	0.0	100	30
1057	SALISBMOBER_	SWPP	335.0	14.0	0.0	335.0	14.0	0.0	1	0.0	100	30
1058	FAIRPTSIBLEO	AECI	273.0	4.6	0.0	193.0	4.6	0.0	1	0.0	100	30
1059	FAIRPTHAWTHS	AECI	273.0	4.6	0.0	193.0	4.6	0.0	1	0.0	100	30
1060	FAIRPTFAIRPT	AECI	273.0	4.6	0.0	193.0	4.6	0.0	1	0.0	100	30
1061	GENTRY11306A	AECI	270.0	4.6	0.0	247.0	4.6	0.0	1	0.0	100	30
1062	THMADAPALSPN	AECI	398.0	11.52	0.0	333.0	11.52	0.0	1	0.0	100	30
1063	7JASP_FLNTCK	AECI	1016.0	0.4	0.0	870.0	0.4	0.0	1	0.0	100	30
1064	NEWMADSTFR_W	AECI	1195.0	0.2	0.0	1195.0	0.2	0.0	1	0.0	100	30

1065	HUBEN-FTSMTH	AECI	1042.0	4.6	0.0	1042.0	4.6	0.0	1	0.0	100	30
1066	HUBEN-SIBLEO	AECI	1042.0	4.6	0.0	1042.0	4.6	0.0	1	0.0	100	30
1068	SWL5MO7MO7BU	AECI	334.0	10.02	0.0	279.0	8.37	0.0	1	0.0	85	15
1070	CA2MC5B5AMSI	AECI	56.0	4.1	0.0	56.0	4.1	0.0	1	0.0	100	30
1071	EN5ME5T5DMSI	AECI	264.0	4.1	0.0	201.0	4.1	0.0	1	0.0	100	30
1072	MARSPALMXR	AECI	323.0	10.16	0.0	208.0	10.16	0.0	1	0.0	100	30
1073	DA5MT5E5EMSI	AECI	307.0	4.1	0.0	224.0	4.1	0.0	1	0.0	100	30
1074	STC7FSTCOMSI	AECI	1195.0	4.1	0.0	1195.0	4.1	0.0	1	0.0	100	30
1075	FAA2D5M5NMSI	AECI	68.0	4.1	0.0	43.0	4.1	0.0	1	0.0	100	30
1076	EN5ME7M7SMSI	AECI	264.0	4.1	0.0	201.0	4.1	0.0	1	0.0	100	30
1077	EN5ME7B4BMSI	AECI	560.0	4.1	0.0	560.0	4.1	0.0	1	0.0	100	30
1078	DA5MT7E5EMSI	AECI	307.0	4.1	0.0	224.0	4.1	0.0	1	0.0	100	30
1079	WA5MB7E7MMSI	AECI	277.0	1.6	0.0	227.0	1.6	0.0	1	0.0	100	30
1087	ENOETHPALMXR	AECI	264.0	8.61	0.0	201.0	8.61	0.0	1	0.0	100	30
1088	THMADAPALMXR	AECI	398.0	10.49	0.0	333.0	10.49	0.0	1	0.0	100	30
1089	ADANOVPALMXR	AECI	352.0	8.28	0.0	334.0	8.28	0.0	1	0.0	100	30
1090	MA5MO5B5EMSI	AECI	100.0	4.1	0.0	100.0	4.1	0.0	1	0.0	100	30
1091	SRR2M5S5HMSI	AECI	36.0	4.1	0.0	36.0	4.1	0.0	1	0.0	100	30
1095	SMIXFRWILDAV	LGEE	308.0	0.0	0.0	308.0	0.0	0.0	1	0.0	85	15
1096	ELDBARFRKHUE	AECI	272.0	4.1	0.0	242.0	4.1	0.0	1	0.0	100	30
1098	FA5MFSTHAMS	AECI	606.0	0.5	0.0	606.0	0.5	0.0	1	0.0	100	30
1099	BA2MB5B5GMSI	AECI	56.0	4.1	0.0	56.0	4.1	0.0	1	0.0	100	30
1308	DANDODHAROL	MISO	176.0	3.52	81.6	176.0	3.52	80.9	1	0.0	70	30
1317	DAR5DA8ANFTS	MISO	223.0	17.36	0.0	223.0	17.36	0.0	1	0.74	70	30
1319	COULEWANOFTS	MISO	159.0	54.78	0.0	159.0	54.78	0.0	1	0.94	70	30
1346	DANIEL8MCKNT	SOCO	1800.0	157.52	0.0	1800.0	157.52	0.0	1	0.78	70	30
1351	NWMDLL__PTDR	AECI	2088.0	86.25	0.0	2088.0	86.25	0.0	0	0.0	85	15
1365	WMSBIRDELSSI	TVA	2546.0	76.4	0.0	2143.0	64.3	0.0	1	0.0	85	15
1366	NWMDLLMSHCUM	AECI	2088.0	86.25	0.0	2088.0	86.25	0.0	0	0.0	85	15
1367	NWMDLLMSHSHA	AECI	2088.0	86.25	0.0	2088.0	86.25	0.0	0	0.0	85	15
1501	BRAMD8CONMSI	TVA	2598.0	163.4	0.0	2598.0	163.4	0.0	1	0.0	100	30
1510	NOCOCO__PTDR	SOCO	2598.0	138.0	0.0	2598.0	138.0	0.0	0	0.0	70	30
1526	COLLIN3MAGEE	SOCO	114.0	4.56	0.0	114.0	4.56	0.0	1	0.59	70	30
1545	LOGFRNDANMCK	SOCO	797.0	118.44	40.6	797.0	118.34	41.4	1	0.87	70	30
1556	KI6ML6F6RMSI	SOCO	907.066	18.14	0.0	895.513	18.14	0.0	1	0.0	70	30

1557	WA6MK8B8FMSI	SOCO	907.066	18.14	0.0	895.513	18.14	0.0	1	0.0	70	30
1559	DA6MM6N6WMSI	SOCO	866.035	17.32	0.0	834.166	17.32	0.0	1	0.0	70	30
1560	MO6MN6B6DMSI	SOCO	685.976	11.48	0.0	534.599	11.48	0.0	1	0.0	70	30
1561	OC6MW6N6WMSI	SOCO	602.32	12.04	0.0	580.012	12.04	0.0	1	0.0	70	30
1562	WA6MN6W6OMSI	SOCO	538.583	10.78	0.0	511.494	10.78	0.0	1	0.0	70	30
1563	GR6ML6G6SMSI	SOCO	572.842	12.04	0.0	548.94	12.04	0.0	1	0.0	70	30
1564	PU6MH8D6DMSI	SOCO	559.297	11.18	0.0	534.599	11.18	0.0	1	0.0	70	30
1565	WA6MB6B6DMSI	SOCO	558.899	11.18	0.0	534.997	11.18	0.0	1	0.0	70	30
1566	DA6MB6D6WMSI	SOCO	1134.13	22.68	0.0	1134.13	22.68	0.0	1	0.0	70	30
1567	LO6ML6C6LMSI	SOCO	150.0	5.76	0.0	150.0	5.76	0.0	1	0.42	70	30
1568	LO6ML6L3LMSI	SOCO	150.0	5.76	0.0	150.0	5.76	0.0	1	0.42	70	30
1569	OP6MP8S8FMSI	SOCO	497.552	9.96	0.0	484.406	9.96	0.0	1	0.0	70	30
1570	MA3MC6H6PMSI	SOCO	114.0	2.0	0.0	114.0	2.0	0.0	1	0.0	70	30
1571	SC6MS8N8SMSI	SOCO	2016.0	40.32	0.0	2016.0	40.32	0.0	1	0.0	70	30
1572	VO6MS6P6MMSI	SOCO	650.0	0.0	0.0	650.0	0.0	0.0	1	0.0	50	50
1573	VO6MS8O8SMSI	SOCO	650.0	20.4	0.0	650.0	20.4	0.0	1	0.0	70	30
1574	RA6MM8N8RMSI	SOCO	594.9	11.92	0.0	569.0	11.92	0.0	1	0.0	85	15
1575	BR8MC8O8SMSI	TVA	2783.0	89.01	0.0	2783.0	89.01	0.0	1	0.0	100	30
1576	MI8ME8B8CMSI	SOCO	2120.0	49.58	0.0	2120.0	49.58	0.0	1	0.0	70	30
1577	MI8ME8L8VMSI	SOCO	2120.0	49.58	0.0	2120.0	49.58	0.0	1	0.0	70	30
1578	MI8ME8M8WMSI	SOCO	2120.0	49.58	0.0	2120.0	49.58	0.0	1	0.0	70	30
1582	FA6MF8F6FMSI	SOCO	1244.0	29.26	0.0	1244.0	29.26	0.0	1	0.0	70	30
1583	BA3MB6W6CMSI	SOCO	517.0	10.74	0.0	517.0	10.74	0.0	1	0.0	70	30
1584	BA3MM6W6CMSI	SOCO	211.928	4.24	0.0	211.928	4.24	0.0	1	0.0	70	30
1585	EL6MC6E6BMSI	SOCO	602.32	12.04	0.0	580.012	12.04	0.0	1	0.0	70	30
1586	EL6MB6E6CMSI	SOCO	807.077	16.14	0.0	791.94	16.14	0.0	1	0.0	70	30
1587	HU3MH6H6PMSI	SOCO	224.0	4.48	0.0	224.0	4.48	0.0	1	0.0	70	30
1588	HU3MW6H6PMSI	SOCO	106.561	2.14	0.0	102.578	2.14	0.0	1	0.0	70	30
1589	3KI3NA6KI6LO	SOCO	106.96	2.36	0.0	102.976	2.36	0.0	1	0.0	70	30
1590	NA3ML6K6LMSI	SOCO	215.911	4.32	0.0	207.944	4.32	0.0	1	0.0	70	30
1591	OC8MS6B6HMSI	SOCO	3063.0	51.62	0.0	3063.0	51.62	0.0	1	0.0	70	30
1592	KI3MK6K6LMSI	SOCO	400.0	8.0	0.0	400.0	8.0	0.0	1	0.0	70	30
1593	LO3MN6K6LMSI	SOCO	215.911	4.32	0.0	207.944	4.32	0.0	1	0.0	70	30
1595	DA8MD6F6RMSI	SOCO	1500.0	30.0	0.0	1500.0	30.0	0.0	1	0.0	70	30
1596	DA8MD6K6WMSI	SOCO	1500.0	30.0	0.0	1500.0	30.0	0.0	1	0.0	70	30

1597	OC8MS6R6LMSI	SOCO	3063.0	51.62	0.0	3063.0	51.62	0.0	1	0.0	70	30
1598	XHXZQKQDUTBU	SOCO	907.066	18.8	0.0	895.513	18.8	0.0	1	0.0	70	30
1599	DA6MM6B6DMSI	SOCO	866.035	17.32	0.0	834.166	17.32	0.0	1	0.0	70	30
1613	VOLPHB__OTDF	TVA	1900.0	57.0	0.0	1900.0	57.0	0.0	0	0.0	100	30
1644	BLLVOL__PTDF	TVA	3182.0	95.46	0.0	2756.0	82.68	0.0	0	0.0	100	30
1660	GRASPDSHNMRS	LGEE	330.0	253.9	0.0	245.0	287.2	0.0	1	0.0	100	30
1661	LNGERLLNGCRT	LGEE	330.0	7.0	0.0	245.0	3.7	0.0	1	0.0	100	0
1663	OR5MM7E7LMSI	AECI	335.0	4.1	0.0	308.0	4.1	0.0	1	0.0	100	30
1664	MA5MS5T5AMSI	AECI	323.0	0.5	0.0	208.0	0.5	0.0	1	0.0	100	30
1665	OL4MM7L7MMSI	AECI	100.0	4.1	0.0	100.0	4.1	0.0	1	0.0	100	30
1666	COO7FSTCOMS	AECI	1195.0	4.1	0.0	1195.0	4.1	0.0	1	0.0	100	30
1667	FA5MG7FCOMS	AECI	270.0	4.1	0.0	247.0	4.1	0.0	1	0.0	100	30
1668	KI5MC7E5EMSI	AECI	293.0	4.1	0.0	222.0	4.1	0.0	1	0.0	100	30
1669	KI5MC7B7EMSI	AECI	293.0	4.1	0.0	222.0	4.1	0.0	1	0.0	100	30
1671	AD5MN7M7SMSI	AECI	352.0	1.4	0.0	334.0	1.4	0.0	1	0.0	100	30
1672	NO5MG5F7FMSI	AECI	270.0	1.2	0.0	247.0	1.2	0.0	1	0.0	100	30
1673	SPALXFSRIPAL	AECI	84.0	3.44	0.0	84.0	3.44	0.0	1	0.0	100	30
1676	FARGENPALSUB	AECI	270.0	9.92	0.0	247.0	9.92	0.0	1	0.0	100	30
1678	ST7MG7L7SMSI	AECI	986.0	4.1	0.0	870.0	4.1	0.0	1	0.0	100	30
1679	FR5MW7L7SMSI	AECI	370.0	4.1	0.0	316.0	4.1	0.0	1	0.0	100	30
1680	STFMR7GOBMS	AECI	986.0	4.1	0.0	870.0	4.1	0.0	1	0.0	100	30
1682	ES5ME7E7LMSI	AECI	392.0	4.1	0.0	392.0	4.1	0.0	1	0.0	100	30
1684	FA5MFSTIAMSI	AECI	606.0	4.1	0.0	606.0	4.1	0.0	1	0.0	100	30
1685	FR5MF7E7SMSI	AECI	351.0	4.1	0.0	316.0	4.1	0.0	1	0.0	100	30
1686	HN5MS7E5EMSI	AECI	279.0	1.2	0.0	279.0	1.2	0.0	1	0.0	100	30
1687	KI5MC7B7SMSI	AECI	293.0	4.1	0.0	222.0	4.1	0.0	1	0.0	100	30
1689	HU5MH7MBRMS	AECI	450.0	4.1	0.0	392.0	4.1	0.0	1	0.0	100	30
1690	LU7ME8M8CMSI	AECI	1184.0	4.1	0.0	1184.0	4.1	0.0	1	0.0	100	30
1691	TR5MD7B7EMSI	AECI	307.0	4.1	0.0	224.0	4.1	0.0	1	0.0	100	30
1694	MO5ME7OSIMSI	AECI	254.0	1.6	0.0	211.0	1.6	0.0	1	0.0	100	30
1695	ST7MG8AFTMSI	AECI	986.0	4.1	0.0	870.0	4.1	0.0	1	0.0	100	30
1696	CO5MK7B7EMSI	AECI	293.0	4.1	0.0	222.0	4.1	0.0	1	0.0	100	30
1697	FA5MF5M5NMMSI	AECI	606.0	4.1	0.0	606.0	4.1	0.0	1	0.0	100	30
1805	OCOSHABRACON	SOCO	3063.0	51.62	0.0	3063.0	51.62	0.0	1	0.0	70	30
1806	PU6MM6S6VMSI	SOCO	5000.0	0.0	0.0	5000.0	0.0	0.0	1	0.0	50	50

1808	PU6MM6N6VMS	SOCO	5000.0	0.0	0.0	5000.0	0.0	0.0	1	0.0	50	50
1809	PU6MM8O8SMS	SOCO	5000.0	0.0	0.0	5000.0	0.0	0.0	1	0.0	50	50
1810	BJYWPKVLVOTH	SOCO	797.0	15.94	0.0	797.0	15.94	0.0	1	0.0	70	30
1811	MC6MP3J3MMS	SOCO	5000.0	0.0	0.0	5000.0	0.0	0.0	1	0.0	30	100
1812	MC6MP6C6SMS	SOCO	5000.0	0.0	0.0	5000.0	0.0	0.0	1	0.0	30	100
1816	6AU6NS6GR6DU	SOCO	403.937	0.0	0.0	378.84	0.0	0.0	1	0.0	70	30
1818	OCSWATDANMCK	SOCO	602.32	0.0	0.0	580.012	0.0	0.0	1	0.0	70	30
1897	6DA8MC8FR8MC	SOCO	1731.0	157.5	0.0	1731.0	157.5	0.0	1	0.0	85	15
1898	6DA8DA8FR8GG	SOCO	1500.0	30.0	0.0	1500.0	30.0	0.0	1	0.0	85	15
1914	6WB8KE8SH8MA	MISO	2546.0	172.52	58.0	2546.0	172.52	55.0	1	0.0	85	15
2000	06C06D05H05J	PJM	1193.0	24.0	0.0	1099.0	22.0	0.0	1	0.0	100	30
2089	CLFTRM__PTDF	LGEE	1686.0	27.1	0.0	1134.0	23.2	0.0	1	0.0	70	30
2092	CVPGRS__PTDF	LGEE	288.0	13.3	1.9	187.0	6.3	0.0	0	0.0	100	0
2204	BURMUNEASFRA	PJM	1651.0	264.0	0.0	1441.0	231.0	0.0	1	0.0	100	30
2205	BURMUNBRAEFR	PJM	1651.0	264.0	0.0	1441.0	230.0	0.0	1	0.0	100	30
2206	BURMUNESTNOR	PJM	1651.0	204.0	0.0	1441.0	178.0	0.0	1	0.0	100	30
2268	SMIGRSSMIXFM	LGEE	411.0	17.6	0.0	306.0	8.6	0.0	1	0.0	100	0
2285	PDWPDR__PTDF	LGEE	704.0	149.3	0.0	454.0	80.7	0.0	1	0.0	100	0
2286	BURMUNWILDUM	PJM	1651.0	222.0	0.0	1441.0	193.0	0.0	1	0.0	100	30
2288	BURSHEDUMWIL	PJM	1651.0	230.0	0.0	1441.0	199.0	0.0	1	0.0	100	30
2294	CLFCARBAKBRO	LGEE	283.0	21.9	0.0	210.0	19.2	0.0	1	0.0	100	0
2299	DUMSTLDUMWIL	PJM	1532.0	89.0	0.0	1075.0	89.0	0.0	1	0.82	100	30
2300	WESBK1WESBK2	PJM	420.0	14.0	0.0	420.0	14.0	0.0	1	0.0	100	30
2340	TWBARGCOKPAL	PJM	1549.0	112.0	0.0	1409.0	102.0	0.0	1	0.0	100	30
2343	TWARCOPABEPA	PJM	1549.0	192.0	0.0	1409.0	175.0	0.0	1	0.0	100	30
2349	TWBARTCOOPDS	PJM	1549.0	109.0	0.0	1409.0	99.0	0.0	1	0.0	100	30
2381	TWIARGBENPAL	PJM	1549.0	117.0	0.0	1409.0	107.0	0.0	1	0.0	100	30
2393	CRETESTJOHN3	PJM	1310.0	204.0	0.0	1091.0	170.0	0.0	1	0.0	100	30
2417	JFRANTBROSUL	PJM	2425.0	238.0	0.0	2425.0	224.0	0.0	0	0.0	100	30
2428	CREJOHBURMUN	PJM	1557.0	256.0	0.0	1399.0	230.0	0.0	1	0.0	100	30
2429	CRESTJBURSHE	PJM	1557.0	231.0	0.0	1399.0	207.0	0.0	1	0.0	100	30
2442	PARNHAVOLPHI	MISO	546.0	92.82	152.6	480.0	91.5	156.1	1	0.89	85	15
2445	BATHUBTANMFT	MISO	378.0	48.26	0.0	291.0	46.52	0.0	1	0.86	70	30
2457	CAYUGACAYUGA	MISO	490.0	170.9	0.0	490.0	171.0	0.0	1	0.94	50	50
2484	NSICLFLCLFTRM	LGEE	184.0	23.2	0.0	120.0	19.4	0.0	1	0.0	100	30

2497	SLNWLF__PTDF	PJM	585.0	68.0	0.0	504.0	58.0	0.0	1	0.0	100	30
2516	BURMUN__PTDF	PJM	1486.0	192.0	0.0	1201.0	155.0	0.0	1	0.0	100	30
2530	PIEBEKPIEFOS	PJM	740.0	14.0	0.0	603.0	12.0	0.0	1	0.0	100	30
2563	SLNROXSHEXF	PJM	299.0	14.0	0.0	288.0	14.0	0.0	1	0.0	100	30
2566	MFTXF9DBNTN	PJM	512.8	12.0	0.0	422.9	11.0	0.0	1	0.0	100	30
2569	STAWOLBURMUN	PJM	585.0	97.0	0.0	553.0	92.0	0.0	1	0.0	100	30
2577	ROXPRAWILDUM	MISO	478.0	16.26	3.7	478.0	16.26	2.9	1	0.41	50	50
2581	ROXPAGAAASHE	MISO	478.0	16.26	14.6	478.0	16.26	13.4	1	0.41	50	50
2584	STAROXGARSHE	PJM	299.0	14.0	0.0	288.0	14.0	0.0	1	0.0	100	30
2586	SLIROXWOFSLI	PJM	299.0	14.0	0.0	288.0	14.0	0.0	1	0.0	100	30
2596	STAWOLGARAXF	PJM	585.0	69.0	0.0	553.0	65.0	0.0	1	0.0	100	30
2600	WMHBHMSDDEL	TVA	2507.0	76.1	125.8	2507.0	76.1	125.8	1	0.0	100	30
2601	WMHBHMSHLSAN	TVA	2507.0	83.0	172.5	2507.0	83.0	172.5	1	0.0	100	30
2608	WIDSQNMRYBFN	TVA	2598.0	87.5	0.3	2119.0	87.5	0.3	1	0.0	100	30
2609	CLYWPTCLYXF	TVA	1732.0	56.8	59.1	1732.0	56.8	59.1	1	0.0	100	30
2610	CLYWPTFREBHM	TVA	1732.0	55.0	52.2	1732.0	55.0	52.2	1	0.0	100	30
2611	FREXFRFRECOR	TVA	1394.0	55.7	45.8	1333.0	45.3	45.8	1	0.0	100	30
2612	FRECORINDEL	TVA	1732.0	55.3	0.0	1732.0	55.3	0.0	1	0.0	100	30
2613	FRECORMCAWLF	TVA	1732.0	55.4	70.2	1732.0	55.4	70.2	1	0.0	100	30
2614	BULVOLWBNVOL	TVA	3182.0	95.46	0.0	2598.0	77.94	0.0	1	0.0	100	30
2617	VVWLOWWPTBFN	TVA	1732.0	55.2	55.5	1732.0	55.2	55.5	1	0.0	100	30
2620	SHWMARNMDEL	TVA	1732.0	65.4	0.0	1732.0	65.4	0.0	1	0.0	100	30
2634	BATEBABATOXP	TVA	377.0	11.0	11.7	299.0	11.0	11.7	1	0.0	100	30
2636	CLDBARWILRED	TVA	335.0	16.6	37.0	319.0	16.6	37.0	1	0.0	100	30
2637	CLDBAREWFSHW	TVA	335.0	16.9	41.8	319.0	16.9	41.8	1	0.0	100	30
2638	CLYABEWPTCLY	TVA	328.0	8.5	8.1	228.0	8.5	8.1	1	0.0	100	30
2639	WPTSTKWPTCLY	TVA	354.0	10.6	10.2	228.0	10.6	10.2	1	0.0	100	30
2640	STKWPTWPTCLY	TVA	354.0	11.5	6.6	228.0	11.5	6.6	1	0.0	100	30
2644	PARFPBARPR	MISO	546.0	66.22	0.0	480.0	65.0	0.0	1	0.84	70	30
2647	19M02B19L19L	MISO	1740.0	146.26	0.0	1660.0	139.88	0.0	1	0.72	70	30
2648	WNEWNENEWNEW	TVA	834.0	3.4	0.0	750.0	3.4	0.0	1	0.0	85	15
2649	WNMXFRNMAWDM	AECI	834.0	3.4	0.0	750.0	3.4	0.0	1	0.0	100	30
2650	WNMXFRNM3WNM	AECI	834.0	3.4	0.0	750.0	3.4	0.0	1	0.0	100	30
2655	GOBKNOFLEESS	AECI	986.0	3.6	0.0	870.0	3.6	0.0	1	0.0	100	30
2662	YSSJMANTHFMO	TVA	1394.0	55.3	33.0	1333.0	55.3	33.0	1	0.0	85	15

2664	STLINEBURSHE	PJM	299.0	14.0	0.0	288.0	14.0	0.0	1	0.0	100	30
2673	FPTOSBEASIAT	AECI	293.0	9.07	0.0	222.0	9.07	0.0	1	0.0	100	30
2674	PALPALMAYHER	AECI	386.0	13.89	0.0	336.0	13.89	0.0	1	0.0	85	15
2677	PARBIGRIVWIL	MISO	546.0	10.92	3.5	480.0	9.6	3.7	1	0.0	85	15
2679	GOOREYBUNEUG	MISO	247.0	102.54	133.7	222.0	102.04	132.4	1	0.95	70	30
2680	CHIPRAWILDUM	MISO	236.0	11.02	0.0	189.0	10.08	0.0	1	0.6	70	30
2681	PETACEARPSIG	MISO	364.0	23.68	0.0	335.0	23.34	0.0	1	0.91	70	30
2682	PETACEBRYNMA	MISO	364.0	23.68	0.0	335.0	23.34	0.0	1	0.91	70	30
2683	PETACEEAUARF	MISO	364.0	23.68	0.0	335.0	23.34	0.0	1	0.91	70	30
2684	PETACEKINEAU	MISO	364.0	23.68	0.0	335.0	23.34	0.0	1	0.91	70	30
2802	BUKMIDTRMCLF	LGEE	1106.0	57.2	0.0	1062.0	34.1	0.0	1	0.0	100	30
2803	CVELIVKYDLIV	LGEE	335.0	5.5	0.0	299.0	16.6	0.0	1	0.0	100	30
2804	GRVRQTGRVCDT	LGEE	244.0	26.2	0.0	223.0	26.2	0.0	1	0.0	100	30
2807	KYDLIVCVELIV	LGEE	380.0	218.6	0.0	299.0	149.3	0.0	1	0.0	100	30
2808	LIVCRDLIVERL	LGEE	330.0	214.6	0.0	245.0	148.5	0.0	1	0.0	100	30
2809	PINXFMBAKBRO	LGEE	680.0	59.8	0.0	580.0	76.8	0.0	1	0.0	100	30
2810	RQTERLGRVCDT	LGEE	253.0	221.9	0.0	223.0	67.5	0.0	1	0.0	100	30
2811	TRMBUKTRMMID	LGEE	1195.0	256.1	0.0	1195.0	293.9	0.0	1	0.0	100	30
2812	TRMMIDBUKMID	LGEE	1195.0	30.5	0.0	1195.0	21.0	0.0	1	0.0	100	30
2813	WLXXFMBNNWLX	LGEE	585.0	51.8	0.0	515.0	26.8	0.0	1	0.0	100	30
2816	TRMCLFTRMGHE	LGEE	1697.0	28.0	0.0	1451.0	33.2	0.0	1	0.0	100	30
2818	CLFTRMNCSPRU	LGEE	1697.0	10.5	0.0	1451.0	14.8	0.0	1	0.0	100	30
2819	CLFCARCLFTRM	LGEE	283.0	17.9	0.0	210.0	15.1	0.0	1	0.0	100	30
2820	CLFCARTRMGHT	LGEE	283.0	164.3	0.0	210.0	54.2	0.0	1	0.0	100	30
2821	CLFNRSCLFTRM	LGEE	184.0	16.3	0.0	120.0	3.9	0.0	1	0.0	100	30
2822	SMIDCGRVSSM	LGEE	323.0	18.2	0.0	308.0	19.3	0.0	1	0.0	100	30
2824	MPRELNMGCCLO	LGEE	330.0	40.1	0.0	245.0	36.9	0.0	1	0.0	100	30
2830	TRMCLF_PTDF	LGEE	1686.0	13.0	0.0	1134.0	51.2	0.0	1	0.0	100	30
2833	GRSCLVCOLDCO	LGEE	319.0	6.4	0.0	198.0	14.2	0.0	1	0.0	100	30
2834	WILMATGRVWIL	LGEE	558.0	16.4	0.0	556.0	3.9	0.0	1	0.77	100	30
2838	MATWILGRVWIL	LGEE	558.0	0.0	0.0	556.0	0.0	0.0	1	0.92	100	30
2846	BAYSHOBAY138	PJM	692.0	14.0	0.0	575.0	12.0	0.0	1	0.0	100	30
2883	GRVRQT_PTDF	LGEE	299.0	12.3	0.0	194.0	10.3	0.0	1	0.61	100	0
2884	GRSCLVDAVWIL	LGEE	319.0	0.0	0.0	198.0	0.0	0.0	0	0.0	100	0
2908	MFTXFMEDTER	PJM	512.8	12.0	0.0	422.9	11.0	0.0	1	0.0	100	30

2951	TWBARGCOOBEN	PJM	1549.0	109.0	0.0	1409.0	99.0	0.0	1	0.0	100	30
2973	SMIXFMHBGHCO	LGEE	323.0	164.6	0.0	308.0	60.6	0.0	0	0.0	100	0
2975	CRESTJWILDUM	PJM	1557.0	230.0	0.0	1399.0	206.0	0.0	1	0.0	100	30
2977	BUKMIDTRMMID	LGEE	1195.0	258.7	0.0	1195.0	96.0	0.0	0	0.0	100	0
2979	GHENASGHEWFK	LGEE	356.0	18.5	0.0	265.0	45.7	0.0	1	0.0	100	0
2983	BEADBE__PTDF	PJM	1676.0	57.0	0.0	1486.0	52.0	0.0	1	0.89	100	30
3085	MO5MM5TSAMS	MISO	456.0	15.82	0.0	372.0	14.0	0.0	1	0.0	85	15
3175	PALXFMMONSPE	AECI	386.0	42.42	0.0	336.0	42.42	0.0	1	0.84	100	15
3200	BYRCHEBYRWEM	PJM	1868.0	93.0	0.0	1568.0	80.0	0.0	1	0.0	100	30
3216	BYNCHEBYNCHE	PJM	1886.0	59.0	0.0	1585.0	52.0	0.0	0	0.0	100	30
3217	BYCH_BBYNWEM	PJM	1886.0	86.0	0.0	1585.0	75.0	0.0	0	0.0	100	30
3218	BYRCHEBYRCHE	PJM	1868.0	57.0	0.0	1568.0	49.0	0.0	1	1.0	100	30
3227	QUA471CDVNEL	PJM	1528.0	116.0	0.0	1528.0	116.0	0.0	0	0.0	100	30
3245	CHESILNELELC	PJM	1809.0	86.0	0.0	1568.0	86.0	0.0	0	0.0	100	30
3250	NELELCCHESIL	PJM	1912.0	121.0	0.0	1837.0	108.0	0.0	0	0.0	100	30
3268	MUNBURDUMWIL	PJM	1651.0	33.0	0.0	1441.0	29.0	0.0	1	0.0	100	30
3270	SLNWLFBURSHE	PJM	585.0	110.0	0.0	553.0	104.0	0.0	1	0.0	100	30
3271	SLNWLFWILDUM	PJM	585.0	73.0	0.0	553.0	69.0	0.0	1	0.0	100	30
3272	STLWLKSHEXFR	PJM	585.0	91.0	0.0	553.0	86.0	0.0	1	0.0	100	30
3274	NELELEBYRCHE	PJM	1912.0	37.0	0.0	1837.0	33.0	0.0	1	0.0	100	30
3288	STABLIBRNBLI	PJM	308.0	7.0	0.0	308.0	7.0	0.0	1	0.0	100	30
3289	BYRCHVNSNELJ	PJM	1886.0	53.0	0.0	1585.0	46.0	0.0	1	0.0	100	30
3291	NEBNE2BYBLEB	PJM	392.0	48.0	0.0	392.0	48.0	0.0	1	0.0	100	30
3293	BYRWEMBYRCHE	PJM	2091.0	154.0	0.0	1837.0	139.0	0.0	1	0.0	100	30
3294	CREOGLLOCKEM	PJM	229.0	11.0	0.0	180.0	8.0	0.0	1	0.0	100	30
3295	TR3T51TR3T71	PJM	378.0	10.0	0.0	376.0	9.0	0.0	1	0.0	100	30
3296	WEMPLEBYRCHE	PJM	420.0	40.0	0.0	420.0	40.0	0.0	1	0.0	100	30
3297	97422ZPLE22Z	PJM	1572.0	224.0	0.0	1251.0	180.0	0.0	1	0.0	100	30
3299	TODTDNTDNTOD	PJM	388.0	11.0	0.0	388.0	10.0	0.0	1	0.0	100	30
3335	PLSZIOECRPLS	MISO	1636.0	45.22	0.0	1441.0	41.22	0.0	1	0.0	85	15
3431	STWDMTWTNDMT	PJM	1532.0	28.0	0.0	1075.0	22.0	0.0	1	0.75	100	30
3644	TODTRETANCRE	PJM	333.0	7.0	0.0	302.0	6.0	0.0	1	0.0	100	30
3646	NUCWHIROCJEP	MISO	1195.0	86.2	10.9	1195.0	86.2	5.2	1	0.72	50	50
3825	ATCPRESQUEIS	MISO	977.0	24.62	0.0	977.0	19.54	5.3	1	0.0	50	50
5128	IGINCBGCFJGZ	SWPP	131.4	7.0	0.0	126.0	7.0	0.0	1	0.0	85	15

5133	EROAVOBEAWAS	SWPP	273.0	32.0	0.0	220.0	32.0	0.0	1	0.0	85	15
5143	RAUFTCBEVGR	SWPP	956.0	139.0	0.0	956.0	139.0	0.0	1	0.0	85	15
5221	REDWILLMINGO	SWPP	785.0	77.0	0.0	785.0	77.0	0.0	1	0.0	100	0
5223	TAHH59MUSFTS	SWPP	211.0	51.0	0.0	185.0	51.0	0.0	1	0.0	85	15
5267	RUSDARANOFTS	MISO	396.0	22.72	3.5	396.0	22.72	4.0	1	0.65	70	30
5320	WELLYDWELNWT	SWPP	1059.0	112.0	0.0	1059.0	112.0	0.0	1	0.0	100	0
5340	EROAVOFLIMON	SWPP	273.0	23.0	0.0	220.0	23.0	0.0	1	0.0	85	15
5375	NEORIVNEOBLA	SWPP	223.0	46.0	0.0	223.0	46.0	0.0	1	0.0	85	15
5401	SSHWALDOLDOL	SWPP	229.0	14.0	0.0	188.0	14.0	0.0	1	0.61	85	15
5426	FULPATLONSAR	SWPP	159.0	22.0	0.0	157.0	22.0	0.0	1	0.0	100	0
5496	EASXFREASSTJ	SWPP	450.0	63.0	0.0	450.0	63.0	0.0	1	0.0	85	15
5501	JB34CBOLLHMA	SWPP	1195.0	66.0	0.0	1195.0	66.0	0.0	1	0.0	100	0
5502	JB34CBALLOGR	SWPP	1195.0	68.0	0.0	1195.0	68.0	0.0	1	0.0	100	0
5508	NEBRCCSUB37S	SWPP	956.0	163.0	0.0	956.0	163.0	0.0	1	0.0	100	0
5509	SIOTWIRAUHOS	SWPP	351.0	100.0	0.0	351.0	100.0	0.0	1	0.0	100	0
5510	SIDOGASIDKEY	SWPP	352.0	44.0	0.0	352.0	44.0	0.0	1	0.0	85	15
5514	ARSMCWFTHTR	SWPP	268.0	9.0	0.0	268.0	9.0	0.0	1	0.0	85	15
5526	REDMINAXTROG	SWPP	785.0	80.0	0.0	785.0	80.0	0.0	1	0.0	85	15
5527	KNONHAPOSSHA	SWPP	88.0	13.0	0.0	88.0	13.0	0.0	1	0.0	85	15
5537	PATFULSARLON	SWPP	159.0	77.0	0.0	157.0	77.0	0.0	1	0.0	85	15
5538	MOBSALTHHSAL	MISO	223.0	16.06	0.0	211.0	15.92	0.0	1	0.73	70	30
5540	EROAVOWASNEO	SWPP	273.0	29.0	0.0	220.0	29.0	0.0	1	0.0	85	15
5566	COOSTJF3FCFS	SWPP	1195.0	165.0	0.0	1195.0	165.0	0.0	1	0.0	85	15
5569	HKMTJMGHYDET	SWPP	400.0	21.0	0.0	400.0	21.0	0.0	1	0.0	85	15
5577	N7N5NTHAWNAS	SWPP	650.0	72.0	0.0	650.0	72.0	0.0	1	0.0	85	15
5599	DARCLAANOFTS	SWPP	234.0	25.0	0.0	189.0	25.0	0.0	1	0.0	85	15
5618	TURXFRSARLON	SWPP	195.0	78.0	0.0	195.0	78.0	0.0	1	0.0	85	15
5642	JEFOYAUBJEF	SWPP	1163.0	139.0	0.0	1163.0	139.0	0.0	1	0.0	85	15
5646	BEAHARCRESHE	SWPP	99.0	36.0	0.0	99.0	36.0	0.0	1	0.0	85	15
5651	OGAGENKEYGEN	SWPP	352.0	70.0	0.0	352.0	70.0	0.0	1	0.0	85	15
5658	LYDVALNWTVAL	SWPP	1183.0	104.0	0.0	1176.0	104.0	0.0	1	0.0	85	15
5661	PITVALSUNHUG	SWPP	956.0	253.0	0.0	956.0	253.0	0.0	1	0.0	85	15
5665	RAUTEKRAUFTC	SWPP	217.0	38.0	0.0	217.0	38.0	0.0	1	0.0	85	15
5701	FTTFTTFTTFTT	SWPP	313.0	31.0	0.0	313.0	31.0	0.0	1	0.0	85	15
5708	YBUWAFSIBOVE	SWPP	368.0	25.0	0.0	368.0	25.0	0.0	1	0.0	85	15

5717	CHAWATCHAPAT	SWPP	525.0	62.0	0.0	408.3	62.0	0.0	1	0.0	85	15
5725	FARSHEBUFJAM	SWPP	461.0	39.0	0.0	342.0	39.0	0.0	1	0.0	85	15
5736	LACNEOLACWGR	SWPP	1015.0	58.0	0.0	1015.0	58.0	0.0	1	0.0	85	15
5753	RQHPHAIMTHGN	SWPP	159.0	0.0	0.0	126.0	0.0	0.0	1	0.0	85	15
5756	MAULAKSIBOVE	SWPP	167.0	0.0	0.0	167.0	0.0	0.0	1	0.0	85	15
6001	NDEX	SWPP	2080.0	264.0	0.0	2080.0	264.0	0.0	1	0.0	100	15
6002	MHEX_S	MHEB	2500.0	153.2	0.0	2500.0	153.5	0.0	1	0.67	100	0
6003	MHEX_N	MHEB	1050.0	89.0	0.0	1050.0	89.0	0.0	1	0.98	100	0
6007	WNE_WKS	SWPP	956.0	61.0	0.0	956.0	61.0	0.0	1	0.0	100	15
6012	PR_ISL_BYRON	MISO	891.0	77.92	0.0	891.0	78.32	0.0	1	0.72	50	50
6060	DORROS__PTDF	MISO	1732.0	82.84	0.0	1732.0	82.74	0.0	1	0.58	70	30
6061	RICHROS_PTDF	MISO	250.0	12.6	0.0	249.7	12.39	0.0	1	0.6	85	15
6072	LETEDRA_PTDF	MHEB	622.7	44.36	0.0	474.5	67.59	0.0	1	0.86	50	50
6126	S12TEKS34RAU	SWPP	256.0	47.0	0.0	256.0	47.0	0.0	1	0.0	100	0
6152	SJOMDYFPTSJO	SWPP	227.0	23.0	0.0	227.0	23.0	0.0	1	0.0	100	0
6160	LAVELEDORSTL	MHEB	547.0	46.54	0.0	455.0	49.3	0.0	1	0.8	100	0
6192	AHDSTL__PTDF	MISO	705.0	98.06	0.0	705.0	98.46	0.0	1	0.86	50	50
6193	MWEX____PTDF	MISO	1627.0	197.14	0.0	1627.0	197.54	0.0	1	0.85	85	15
6200	ADABEAMCHHAZ	MISO	341.7	56.63	0.0	261.9	55.04	0.0	1	0.89	50	50
6212	GLECORFORROS	MHEB	482.0	20.14	0.0	388.0	12.06	0.0	1	0.34	50	50
6214	BUNHASCOOSTJ	MISO	233.0	15.16	0.0	199.0	14.48	0.0	1	0.71	50	50
6235	CENTERJAMEST	MISO	704.0	36.74	0.0	704.0	36.4	0.0	1	0.61	50	50
6238	BUNHASFAICOC	MISO	233.0	19.46	0.0	199.0	18.88	0.0	1	0.0	85	15
6350	NORSQUEVESTJ	MISO	162.0	11.44	0.7	162.0	11.44	0.9	1	0.72	70	30
6526	HENNEWNOBLAP	MISO	203.0	7.54	0.0	147.0	6.54	0.0	1	0.51	70	30
6575	FORBESCHISN2	MISO	1732.1	179.44	0.0	1732.1	180.64	0.0	1	0.81	70	30
6723	JDGYRHRTKIDL	MISO	162.0	32.14	0.0	162.0	32.14	0.0	1	0.9	70	30
6781	COULEWSARLOW	MISO	159.0	54.78	0.0	159.0	54.78	0.0	1	0.94	70	30
6785	ANGHATFRNSLI	SOCO	463.0	9.3	0.0	463.0	9.3	0.0	1	0.0	70	30
6786	ANGHATMCAWOL	SOCO	463.0	9.3	0.0	463.0	9.3	0.0	1	0.0	70	30
6793	HA6MA6F6LMSI	SOCO	463.0	9.26	0.0	463.0	9.26	0.0	1	0.0	70	30
6795	DA8MD6F6LMSI	SOCO	1500.0	30.0	0.0	1500.0	30.0	0.0	1	0.0	70	30
6796	DA8MD8M8FMSI	SOCO	1500.0	30.0	0.0	1500.0	30.0	0.0	1	0.0	70	30
6800	PU6MH6F6LMSI	SOCO	559.297	11.18	0.0	534.599	11.18	0.0	1	0.0	70	30
6834	ANOANOANOPH	MISO	672.0	17.44	10.0	672.0	17.44	10.0	1	0.23	70	30

6839	GRASLOLEBTEN	SWPP	401.0	19.0	0.0	401.0	19.0	0.0	1	0.0	85	15
7009	ONT-FRONTIER	ONT	2030.0	0.0	0.0	2030.0	0.0	0.0	0	0.0	85	15
7101	BUCLWD____IN	ONT	3000.0	0.0	0.0	3000.0	0.0	0.0	0	0.0	85	15
7102	QUEENSTON_FW	ONT	9999.0	0.0	0.0	9999.0	0.0	0.0	0	0.0	85	15
7104	BUCLWD__NEIM	ONT	1000.0	0.0	0.0	1000.0	0.0	0.0	0	0.0	85	15
7106	FRONTIER-ONT	ONT	2030.0	0.0	0.0	2030.0	0.0	0.0	0	0.0	85	15
7111	CXYBFUEUYAM	IMO	1475.0	140.6	0.0	1475.0	140.6	0.0	1	0.0	100	0
7112	OIYFKEDQFKZI	ONT	1475.0	140.6	0.0	1475.0	140.6	0.0	1	0.0	100	0
9084	YVTGTDIDUKML	ONT	1475.0	110.0	0.0	1375.0	108.0	0.0	1	0.0	100	0
9156	NYIS-ONT	ONT	4125.0	0.0	0.0	4125.0	0.0	0.0	0	0.0	85	15
9160	ONT-NYIS	ONT	4125.0	0.0	0.0	4125.0	0.0	0.0	0	0.0	85	15
16886	VOLPHISEQBRA	TVA	1800.0	95.0	0.0	1800.0	95.0	0.0	1	0.0	100	50
17480	VOLPHIBAKBRO	TVA	1800.0	95.0	0.0	1800.0	95.0	0.0	1	0.0	100	50
17530	VOLPHIVOLVOL	TVA	1800.0	95.0	0.0	1800.0	95.0	0.0	1	0.0	100	50
17564	VOLPHIGAVUN2	TVA	1900.0	57.0	0.0	1900.0	57.0	0.0	1	0.0	85	15
17571	WATBULWATVOL	TVA	2598.0	106.7	0.0	2119.0	106.7	0.0	1	0.0	85	15
17575	WIDMADMAUBRO	TVA	2353.0	129.9	0.0	2119.0	129.9	0.0	1	0.0	100	50
17609	WIDCRESEQYAH	TVA	1732.0	121.4	0.0	1732.0	121.4	0.0	1	0.0	85	15
17884	VOLPHICUIWYO	TVA	1900.0	57.0	0.0	1900.0	57.0	0.0	1	0.0	100	30
17967	WIDWIDWIDSEQ	TVA	1226.0	3.0	0.0	1226.0	3.0	0.0	1	0.0	100	30
19146	SMTXFRGRSCLV	LGEE	323.0	29.4	0.0	308.0	32.2	0.0	1	0.0	100	30
20032	PALMYRA_XFMR	AECI	386.0	15.82	0.0	336.0	15.82	0.0	1	0.0	100	30
20581	FTPGNTSTJHAW	AECI	270.0	9.07	0.0	247.0	9.07	0.0	1	0.0	85	15
20603	SMTXFRCOLNEW	LGEE	308.0	0.0	0.0	308.0	0.0	0.0	1	0.0	100	50
20678	BAT161BAT230	TVA	357.0	3.0	0.0	357.0	3.0	0.0	1	0.0	100	30
20708	BATTALCHOCLY	TVA	372.0	10.1	0.0	372.0	10.1	0.0	1	0.0	100	30
20831	7P5PBEENENMO	AECI	386.0	17.75	0.0	336.0	17.75	0.0	1	0.0	85	15
20892	5BA5TA6BA5BA	TVA	334.0	10.0	0.0	334.0	10.0	0.0	1	0.0	85	15
20919	KISKISMONLAB	AECI	250.0	3.6	0.0	250.0	3.6	0.0	1	0.0	100	30
21078	FAIOSBSTJCOO	AECI	293.0	2.8	0.0	222.0	2.8	0.0	1	0.0	100	30
21168	MAYPARMARCUM	TVA	335.0	18.7	22.0	328.0	18.7	22.0	1	0.0	85	15
21203	VOLXFMVOLXFM	TVA	1394.0	50.2	3.6	1394.0	50.2	3.6	1	0.0	100	100
21278	7PA5PAOTTMNT	AECI	386.0	10.81	0.0	336.0	10.81	0.0	1	0.0	85	15
21410	SOU MULPOSSPE	SWPP	319.0	0.0	0.0	319.0	0.0	0.0	1	0.0	85	15
21463	BATTALFREPOR	TVA	372.0	3.0	0.0	372.0	3.0	0.0	1	0.0	85	15

21502	PSEUDFG21502	MISO	381.0	4.18	0.0	325.0	4.18	0.0	1	0.0	70	30
21524	PSEUDFG21524	MISO	1195.0	23.9	0.0	1195.0	23.9	0.0	1	0.0	70	30
21529	PSEUDFG21529	MISO	1712.0	34.24	0.0	1430.0	34.24	0.0	1	0.0	70	30
21530	PSEUDFG21530	MISO	1780.0	24.0	0.0	1374.0	24.0	0.0	1	0.0	70	30
21536	EKJGFNGLRKM	AECI	270.0	2.8	0.0	247.0	2.8	0.0	1	0.0	85	15
21537	MARNODJOECOD	AECI	282.0	2.8	0.0	243.0	2.8	0.0	1	0.0	85	15
21538	GENFAIJOECOD	AECI	270.0	2.8	0.0	247.0	2.8	0.0	1	0.0	85	15
21551	PSEUDFG21551	MISO	329.0	4.74	0.0	255.0	4.74	0.0	1	0.0	70	30
21556	PRECORSHESOU	TVA	1732.0	57.6	61.0	1732.0	57.6	61.0	1	0.0	85	15
21563	PSEUDFG21563	MISO	1740.0	35.86	0.0	1740.0	35.86	0.0	1	0.0	70	30
21564	PSEUDFG21564	MISO	1221.0	19.12	0.0	1221.0	19.12	0.0	1	0.0	70	30
21585	PSEUDFG21585	MISO	1740.0	35.86	0.0	1740.0	35.86	0.0	1	0.0	70	30
21586	PSEUDFG21586	MISO	1793.0	35.4	0.0	1635.0	35.4	0.0	1	0.0	70	30
21615	PSEUDFG21615	MISO	1396.0	19.12	0.0	1126.0	19.12	0.0	1	0.0	70	30
21616	PSEUDFG21616	MISO	1714.0	34.28	0.0	1432.0	34.28	0.0	1	0.0	70	30
21619	PSEUDFG21619	MISO	1793.0	35.4	0.0	1635.0	35.4	0.0	1	0.0	70	30
21630	PSEUDFG21630	PJM	226.0	4.52	0.0	189.0	4.52	0.0	1	0.0	70	30
21635	PSEUDFG21635	MISO	1345.0	26.9	0.0	1273.0	26.9	0.0	1	0.0	70	30
21638	PSEUDFG21638	MISO	712.0	13.44	0.0	712.0	13.44	0.0	1	0.0	70	30
21640	PSEUDFG21640	MISO	700.0	11.2	0.0	700.0	11.2	0.0	1	0.0	70	30
21641	PSEUDFG21641	PJM	226.0	4.52	0.0	189.0	4.52	0.0	1	0.0	70	30
21731	PRESEGPRECOR	TVA	254.0	3.0	0.0	223.0	3.0	0.0	1	0.0	100	30
21856	WATVOLBULVOL	TVA	2598.0	77.94	0.0	2598.0	77.94	0.0	1	0.0	100	30
22214	HDGPOLFKOWLE	SWPP	493.0	0.0	0.0	493.0	0.0	0.0	1	0.0	85	15
22221	PALPALTHMHIL	AECI	713.0	0.4	0.0	628.0	0.4	0.0	1	0.0	100	30
22222	PALPALTHMTRF	AECI	570.0	0.6	0.0	500.0	0.6	0.0	1	0.0	100	30
22347	OKOFOSCAYWIS	SWPP	78.0	0.0	0.0	64.0	0.0	0.0	1	0.0	85	15
22539	SQOURGKVSJZK	SWPP	319.0	0.0	0.0	319.0	0.0	0.0	1	0.0	85	15
22560	ONTITCREGULA	MISO	1475.0	140.6	0.0	1475.0	140.6	0.0	1	0.0	70	30
22593	STNTUPSEMPIT	SWPP	143.0	0.0	0.0	143.0	0.0	0.0	1	0.0	85	15
22634	BULBULBULVOL	TVA	1673.0	73.9	3.7	1416.0	73.9	3.7	1	0.0	100	30
22647	BATVILTALHAC	TVA	335.0	0.0	0.0	335.0	0.0	0.0	1	0.0	100	30
22771	BARPRNMARCUM	TVA	335.0	3.0	0.0	335.0	3.0	0.0	1	0.0	85	15
22895	NSORIVBLAJAS	SWPP	223.0	0.0	0.0	223.0	0.0	0.0	1	0.0	85	15
23044	TUPPITVALIAN	SWPP	143.0	0.0	0.0	143.0	0.0	0.0	1	0.0	85	15

23148	NEWKOKCAYNUC	MISO	545.0	10.9	0.0	392.0	10.9	0.0	1	0.0	70	30
23412	MAREGOWILDUM	MISO	1780.0	23.9	0.0	1521.0	23.9	0.0	1	0.0	70	30
23427	MONLALMORALL	MISO	1740.0	87.0	0.0	1660.0	87.0	0.0	1	0.0	70	30
23499	BATTALUNIBEN	TVA	372.0	10.8	0.0	372.0	10.8	0.0	1	0.0	100	30
23510	COPSTJCSPFSE	SWPP	1195.0	171.0	0.0	1195.0	171.0	0.0	1	0.0	85	15
23534	MONONATRANSE	MISO	41.7	0.0	0.0	41.7	0.0	0.0	1	0.0	70	30
23576	FWROFMJFETUZ	MISO	300.0	5.6	0.0	300.0	5.6	0.0	1	0.0	70	30
23655	NELXFMNELXFM	PJM	392.0	24.0	0.0	392.0	24.0	0.0	1	0.0	100	30
23687	VOLPHIBENMOU	TVA	1900.0	57.0	0.0	1900.0	57.0	0.0	1	0.0	85	15
23689	OLIOLIOLICOO	PJM	996.0	40.0	0.0	932.0	40.0	0.0	1	0.0	100	30
23741	BROWFERMAURY	TVA	2598.0	129.9	0.0	2598.0	129.9	0.0	1	0.0	85	15
23744	CORHAYMAUBRO	TVA	1732.0	51.96	0.0	1732.0	51.96	0.0	1	0.0	85	15
23781	STIDUMCOODUM	PJM	1532.0	89.0	0.0	1075.0	89.0	0.0	1	0.0	85	15
23912	FRANORHAMNOR	MISO	1355.3	29.9	0.0	1195.1	29.9	0.0	1	0.0	85	15
23935	BEAEURBLAJAS	SWPP	309.0	0.0	0.0	274.0	0.0	0.0	1	0.0	85	15
24079	BAYSHOFOSLAL	PJM	678.0	37.0	0.0	585.0	37.0	0.0	1	0.0	100	30
24274	NELJCTBYRWAY	PJM	1912.0	94.0	0.0	1837.0	94.0	0.0	1	0.0	100	30
24286	BENSEGCOOSEG	PJM	2034.0	104.0	0.0	1887.0	104.0	0.0	1	0.0	85	15
24408	TRICLIJEFROC	TVA	1697.0	10.2	0.0	1451.0	9.9	0.0	1	0.0	100	30
24498	LIBTEXCARHIT	SWPP	119.0	0.0	0.0	119.0	0.0	0.0	1	0.0	85	15
24500	MAGSOULELLOG	MISO	180.7	3.18	0.0	145.8	3.18	0.0	1	0.0	70	30
24513	BENBENSEGCOO	PJM	520.0	29.0	0.0	462.0	29.0	0.0	1	0.0	100	30
24516	VRXBUNIDAPOT	SWPP	956.0	0.0	0.0	956.0	0.0	0.0	1	0.0	85	15
24583	VOLPHIANTJAC	TVA	1900.0	57.0	0.0	1900.0	57.0	0.0	1	0.0	85	15
24587	BATTALRITMOO	TVA	372.0	10.05	0.0	372.0	10.05	0.0	1	0.0	85	15
24626	PVLBYRCPVLBYR	MISO	557.7	11.15	0.0	557.7	11.15	0.0	1	0.0	70	30
24635	DEAPIEMIATER	PJM	1235.0	62.0	0.0	972.0	62.0	0.0	1	0.0	100	30
24665	GARPLANELH47	MISO	206.0	10.0	0.0	178.0	10.0	0.0	1	0.0	100	30
24713	GENFAIEASIAT	AECI	270.0	8.79	0.0	247.0	8.79	0.0	1	0.0	100	30
24810	TOULONPOWERTE	PJM	203.0	10.0	0.0	155.0	10.0	0.0	1	0.0	85	15
24829	TOUPOWKEWHEN	PJM	271.0	12.0	0.0	228.0	12.0	0.0	1	0.0	100	30
24848	MIAFORMIAFOR	PJM	512.8	27.0	0.0	422.9	27.0	0.0	1	0.0	85	15
24865	MUSGORSMIMUS	SWPP	234.0	0.0	0.0	206.0	0.0	0.0	1	0.0	85	15
24881	DICTRIKOSWEB	MISO	304.0	15.0	0.0	266.0	15.0	0.0	1	0.0	70	30
24908	BIGSTNBIGSTN	MISO	525.0	10.5	0.0	525.0	10.5	0.0	1	0.0	70	30

24956	CHESILBYRWAY	PJM	1809.0	86.0	0.0	1568.0	86.0	0.0	1	0.0	85	15
25016	ELDAT2DOROLI	MISO	895.0	17.9	0.0	895.0	17.9	0.0	1	0.0	85	15
25103	CAYHILDRESUG	MISO	545.0	10.9	0.0	392.0	10.9	0.0	1	0.0	70	30
25125	NELSONELEJUN	PJM	1602.0	82.8	0.0	1334.0	82.8	0.0	1	0.0	85	15
25168	TEMPORARY116	SWPP	1195.0	0.0	0.0	1195.0	0.0	0.0	1	0.0	85	15
25211	MARMIDSTJCOC	SWPP	227.0	0.0	0.0	227.0	0.0	0.0	1	0.0	85	15
25289	WARBIGMONLAB	AECI	277.0	8.31	0.0	227.0	6.81	0.0	1	0.0	85	15
25352	DICTRIRAUCHE	MISO	304.0	4.94	0.0	266.0	3.9	0.0	1	0.0	70	30
25353	POWTOWHENKEV	PJM	229.0	4.58	0.0	214.0	4.28	0.0	1	0.0	70	30
25355	KEWKEWSTRKIC	PJM	229.0	11.45	0.0	201.0	10.05	0.0	1	0.0	100	30
25358	POWTOEFARSAN	PJM	229.0	4.58	0.0	214.0	4.28	0.0	1	0.0	70	30
25380	KVXXHQHPAZL	PJM	1675.0	84.0	0.0	1675.0	70.0	0.0	1	0.0	85	15
25381	FFEJISWQVIQO	PJM	2071.0	103.55	0.0	2071.0	94.35	0.0	1	0.0	85	15
25389	NASHUAHAWTHO	SWPP	1195.0	0.0	0.0	1100.0	0.0	0.0	1	0.0	85	15
25425	POWTOUFARSAN	PJM	271.0	11.7	0.0	228.0	9.7	0.0	1	0.0	85	15
25447	CLAXFRWPTCLA	TVA	1344.0	40.32	0.0	1344.0	40.32	0.0	1	0.0	85	15
25475	MAPCHRKOKNEW	MISO	201.0	3.94	0.0	145.0	2.9	0.0	1	0.0	70	30
25496	ELLABEELLBIG	MISO	146.8	2.8	0.0	142.0	2.8	0.0	1	0.0	70	30
25518	NEWKOKDUMSOR	MISO	545.0	10.9	0.0	392.0	7.84	0.0	1	0.0	70	30
25525	ECOCOLSHECOL	SWPP	187.0	0.0	0.0	187.0	0.0	0.0	1	0.0	85	15
25534	MAUMAUMAUNUN	SWPP	100.0	0.0	0.0	100.0	0.0	0.0	1	0.0	85	15
25550	VALIANLYDIA1	SWPP	1076.0	0.0	0.0	1011.0	0.0	0.0	1	0.0	85	15
25551	MUSKOGFOTSM	SWPP	956.0	0.0	0.0	956.0	0.0	0.0	1	0.0	85	15
25552	AXTELLPOSROC	SWPP	1506.0	0.0	0.0	1506.0	0.0	0.0	1	0.0	85	15
25556	NASHAWSIBKET	SWPP	1195.0	0.0	0.0	1100.0	0.0	0.0	1	0.0	85	15
25557	VALNORTEXARK	SWPP	1148.0	0.0	0.0	966.0	0.0	0.0	1	0.0	85	15
25599	WEBSRIBISCOL	MISO	263.0	5.08	0.0	224.0	4.24	0.0	1	0.0	70	30
25616	ELLABEELLOAK	MISO	146.8	2.8	0.0	142.0	2.8	0.0	1	0.0	70	30
25617	MAU231MAURIN	SWPP	100.0	0.0	0.0	100.0	0.0	0.0	1	0.0	85	15
25618	AURFLASPLWH	SWPP	114.7	0.0	0.0	114.7	0.0	0.0	1	0.0	85	15
25632	5BA5TA8FR8CO	TVA	372.0	10.05	0.0	372.0	10.05	0.0	1	0.0	85	15
25655	SHEFFISHEHAM	SWPP	84.0	0.0	0.0	84.0	0.0	0.0	1	0.0	85	15
25692	DUMSTIBURSCH	PJM	1532.0	70.0	0.0	1075.0	54.0	0.0	1	0.0	85	15
25703	TWRPOWERTO12	PJM	211.0	4.1	0.0	195.0	3.2	0.0	1	0.0	70	30
25711	FARTAPNUTFRA	SWPP	79.0	0.0	0.0	76.0	0.0	0.0	1	0.0	85	15

25727	MARMID5MA5NC	SWPP	227.0	0.0	0.0	227.0	0.0	0.0	1	0.0	85	15
25737	CLASTACLAWES	TVA	399.0	11.97	0.0	299.0	8.97	0.0	1	0.0	85	15
25749	ARGTHOARGBAT	MISO	1149.0	22.98	0.0	997.0	19.94	0.0	1	0.0	70	30
25756	MOPIFG25749M	MISO	1149.0	22.98	0.0	1149.0	19.94	0.0	1	0.0	70	30
25759	OVERXFMCCOVER	MISO	560.0	11.2	0.0	560.0	11.2	0.0	1	0.0	70	30
25764	FARSHEPRAWIN	SWPP	461.0	0.0	0.0	342.0	0.0	0.0	1	0.0	85	15
25777	BLACKBJASPER	AECI	1016.0	30.33	0.0	870.0	30.33	0.0	1	0.0	85	15
25779	FTTHU1FTTHU2	SWPP	352.0	0.0	0.0	352.0	0.0	0.0	1	0.0	85	15
25793	BENHARARGWEE	PJM	520.0	29.0	0.0	462.0	25.0	0.0	1	0.0	85	15
25805	BENHAROLIOLI	PJM	520.0	29.0	0.0	462.0	26.0	0.0	1	0.0	85	15
25833	TVDMESYXTNTE	MISO	398.4	7.17	0.0	398.4	7.17	0.0	1	0.0	70	30
25845	NASLIBNASHAW	SWPP	320.0	0.0	0.0	281.0	0.0	0.0	1	0.0	85	15
25874	QUIBEEHILDAR	MISO	223.0	4.1	0.0	205.0	4.1	0.0	1	0.0	70	30
25881	TEMPORARY304	SWPP	37.8	0.0	0.0	37.8	0.0	0.0	1	0.0	85	15
25883	NORKEWNELELE	PJM	279.0	13.95	0.0	246.0	12.3	0.0	1	0.0	100	30
25904	PETPETHOSSHE	SWPP	151.0	0.0	0.0	151.0	0.0	0.0	1	0.0	85	15
25915	OLIVENEWCARL	PJM	479.0	23.2	0.0	388.0	19.4	0.0	1	0.0	100	30
25917	CALAPAMCCMON	MISO	290.0	5.8	0.0	242.0	4.84	0.0	1	0.0	85	15
25918	FOXRUTLAKHUN	MISO	231.0	3.9	0.0	195.0	3.9	0.0	1	0.0	70	30
25946	WESNWTCAICY	MISO	378.0	7.56	0.0	301.0	6.02	0.0	1	0.0	70	30
25949	SHAMULREDMIN	SWPP	319.0	0.0	0.0	319.0	0.0	0.0	1	0.0	85	15
25953	MOBOVETHOMCC	MISO	290.0	5.8	0.0	242.0	4.84	0.0	1	0.0	85	15
25957	FRADUFGIBABB	MISO	1792.0	23.9	0.0	1374.0	23.9	0.0	1	0.0	70	30
25964	DEAPIEEASTER	PJM	1235.0	62.0	0.0	972.0	48.55	0.0	1	0.0	100	30
25970	MACMACMONMCC	MISO	249.0	4.98	0.0	249.0	4.98	0.0	1	0.0	70	30
25979	COOFAISIBKET	AECI	1195.0	3.0	0.0	1195.0	3.0	0.0	1	0.0	85	15
26000	CREOGLBUREKE	PJM	229.0	11.45	0.0	180.0	8.95	0.0	1	0.0	100	30
26013	MRYBRAMARCRE	SWPP	204.0	0.0	0.0	180.0	0.0	0.0	1	0.0	85	15
26016	TEKSUBRAUFOR	SWPP	256.0	0.0	0.0	256.0	0.0	0.0	1	0.0	85	15
26024	NEOBALACGAR	SWPP	956.0	0.0	0.0	870.0	0.0	0.0	1	0.0	85	15
26033	OVEMCBMCROVE	MISO	355.0	6.7	0.0	297.0	5.94	0.0	1	0.0	70	30
26048	POWTWRNELELE	PJM	229.0	11.45	0.0	214.0	10.7	0.0	1	0.0	100	30
26066	COLCOLTANDEA	PJM	192.0	9.9	0.0	167.0	8.35	0.0	1	0.0	100	30
26096	COLCOLDUMSOR	PJM	192.0	5.0	0.0	167.0	5.0	0.0	1	0.0	100	30
26097	COLCOLMARSOR	PJM	192.0	9.9	0.0	167.0	8.35	0.0	1	0.0	100	30

26110	BIGSTOBROVAL	MISO	478.0	8.44	0.0	389.0	6.48	0.0	1	0.0	70	30
26167	NEOBLANESDEL	SWPP	956.0	0.0	0.0	870.0	0.0	0.0	1	0.0	85	15
26194	TOUPOWNELROC	PJM	271.0	11.7	0.0	228.0	9.7	0.0	1	0.0	100	30
26195	POW4TONELROC	PJM	298.0	14.9	0.0	268.0	13.4	0.0	1	0.0	100	30
26232	MARNODMARMAR	AECI	282.0	8.46	0.0	243.0	7.29	0.0	1	0.0	85	15
26233	MARMARMARNOD	SWPP	278.0	0.0	0.0	278.0	0.0	0.0	1	0.0	85	15
26266	MCBLOYMCCMON	MISO	323.0	6.46	0.0	253.0	5.06	0.0	1	0.0	85	15
26272	TANMIAMARSOR	PJM	2063.0	89.75	0.0	1886.0	75.4	0.0	1	0.0	100	30
26273	ALLMORLALMON	PJM	2054.0	89.65	0.0	1911.0	89.65	0.0	1	0.0	100	30
26274	MMOPIFG26274	PJM	1793.0	89.65	0.0	1793.0	89.65	0.0	1	0.0	100	30
26280	WATWATHAWLYD	SWPP	400.0	0.0	0.0	400.0	0.0	0.0	1	0.0	85	15
26301	WESNWTDEQEUG	PJM	378.0	18.9	0.0	301.0	15.05	0.0	1	0.0	100	30
26307	COLCOLTANMIA	PJM	192.0	7.5	0.0	167.0	7.5	0.0	1	0.0	100	30
26315	BLKJSPGRDTON	TVA	1016.0	35.85	0.0	870.0	35.85	0.0	1	0.0	85	15
26331	GENGAIMARMAR	TVA	270.0	0.0	0.0	247.0	0.0	0.0	1	0.0	85	15
26334	NODMARMARMID	TVA	282.0	0.0	0.0	243.0	0.0	0.0	1	0.0	85	15
26335	NODMARMIDAVE	TVA	282.0	0.0	0.0	243.0	0.0	0.0	1	0.0	85	15
26336	OSBROCFAlFAI	TVA	233.0	0.0	0.0	233.0	0.0	0.0	1	0.0	85	15
26337	NODMARFAIFAI	AECI	282.0	0.0	0.0	243.0	0.0	0.0	1	0.0	85	15
26338	NODMARFAIOSE	TVA	282.0	0.0	0.0	243.0	0.0	0.0	1	0.0	85	15
26346	TANMIAEASTER	PJM	2063.0	89.75	0.0	1886.0	75.4	0.0	1	0.0	100	30
26365	RANPELCAYWIS	SWPP	72.0	0.0	0.0	72.0	0.0	0.0	1	0.0	85	15
26403	KELKELKELKEL	MISO	336.0	6.72	0.0	336.0	6.72	0.0	1	0.0	100	0
26408	FRAHUBLACNEO	TVA	1042.0	33.6	0.0	1042.0	24.9	0.0	1	0.0	85	15
26421	CASNEONEWCAS	MISO	1195.0	23.9	0.0	1195.0	23.9	0.0	1	0.0	85	15
26426	SEQFRAPLAROAL	TVA	2756.0	60.0	0.0	2311.0	60.0	0.0	1	0.0	85	15
26435	TRWRZJYYSWFF	PJM	2034.0	103.55	0.0	1887.0	94.35	0.0	1	0.0	100	30
26486	MARNODEASIAT	AECI	282.0	3.0	0.0	243.0	3.0	0.0	1	0.0	85	15
26495	COOOLIDUMCOO	PJM	1781.0	83.75	0.0	1409.0	70.45	0.0	1	0.0	100	30
26505	MORALLLEMMAL	PJM	2054.0	89.65	0.0	1911.0	89.65	0.0	1	0.0	85	15
26506	MORALLMARSOR	PJM	2054.0	89.65	0.0	1911.0	89.65	0.0	1	0.0	100	30
26507	MOPIMOALLEMA	PJM	1793.0	89.65	0.0	1793.0	89.65	0.0	1	0.0	100	30
26508	MOPIMORALLMA	PJM	1793.0	89.65	0.0	1793.0	89.65	0.0	1	0.0	100	30
26509	MORALLDAVBES	PJM	2054.0	89.65	0.0	1911.0	89.65	0.0	1	0.0	100	30
26510	MOPIMORALLDA	PJM	1793.0	89.65	0.0	1793.0	89.65	0.0	1	0.0	100	30

26512	71CREPOWTOU	PJM	229.0	11.45	0.0	180.0	8.95	0.0	1	0.0	100	30
26513	TOUPOWFARSAN	PJM	271.0	11.7	0.0	228.0	9.7	0.0	1	0.0	100	30
26522	NEWNEWCASNEW	MISO	450.0	9.0	0.0	450.0	9.0	0.0	1	0.0	70	30
26534	QVVIIEGGKUK	PJM	192.0	5.0	0.0	167.0	5.0	0.0	1	0.0	100	30
26564	GARESSCORNEL	MISO	206.0	10.0	0.0	178.0	8.9	0.0	1	0.0	100	30
26565	TEMPORARY264	SWPP	412.7	0.0	0.0	412.7	0.0	0.0	1	0.0	85	15
26570	MFOMFOFORORT	PJM	512.8	27.15	0.0	422.9	24.4	0.0	1	0.0	100	30
26571	CEREMEBISCOL	MISO	293.0	5.86	0.0	256.0	5.12	0.0	1	0.0	70	30
26572	OSCWILSANDRI	MISO	148.0	2.96	0.0	148.0	2.96	0.0	1	0.0	70	30
26581	COLCOLTERMBK	PJM	192.0	9.9	0.0	167.0	8.35	0.0	1	0.0	100	30
26604	MARMIDNODGEN	SWPP	227.0	0.0	0.0	227.0	0.0	0.0	1	0.0	85	15
26608	MOBMOBKINMCC	AECI	456.0	3.0	0.0	372.0	3.0	0.0	1	0.0	85	15
26609	MOBMOBMCCTHO	AECI	456.0	3.0	0.0	372.0	3.0	0.0	1	0.0	85	15
26615	KEW610KEWBUR	PJM	229.0	11.45	0.0	201.0	10.05	0.0	1	0.0	100	30
26622	COLCOLREDTER	PJM	192.0	9.9	0.0	167.0	8.35	0.0	1	0.0	100	30
26623	BIGBROOAKELL	MISO	525.8	7.06	0.0	428.0	7.06	0.0	1	0.0	70	30
26642	PRETIBPRAMTV	MISO	236.0	4.72	0.0	202.0	4.04	0.0	1	0.0	70	30
26648	SENCLDRITMOC	MISO	108.0	2.16	0.0	108.0	2.16	0.0	1	0.0	70	30
26649	MARMARFRABLA	TVA	100.0	3.63	0.0	100.0	3.0	0.0	1	0.0	85	15
26658	COLCOLEASTAN	PJM	192.0	9.9	0.0	167.0	8.35	0.0	1	0.0	100	30
26659	MOPSEGBENCOD	PJM	2071.0	103.55	0.0	1887.0	94.35	0.0	1	0.0	100	30
26660	MOPCOOOLIDUM	PJM	1675.0	83.75	0.0	1409.0	70.45	0.0	1	0.0	100	30
26663	STJCREDUMGRE	PJM	1557.0	77.85	0.0	1399.0	69.95	0.0	1	0.0	100	30
26678	POWTOWROCSCI	PJM	229.0	11.0	0.0	214.0	11.0	0.0	1	0.0	100	30
26681	DUMSTIWILWIL	PJM	1532.0	70.05	0.0	1075.0	53.75	0.0	1	0.0	100	30
26684	NORKEWNELROC	PJM	279.0	13.95	0.0	246.0	12.3	0.0	1	0.0	100	30
26690	COLEMECOLKIL	MISO	419.0	8.38	0.0	366.0	7.32	0.0	1	0.0	70	30
26697	MAPCHRGREDEL	MISO	201.0	3.94	0.0	145.0	2.9	0.0	1	0.0	70	30
26731	GLEHAYBARADA	MISO	439.0	6.7	0.0	423.0	6.7	0.0	1	0.0	70	30
26732	TURHILPRAMTV	MISO	236.0	4.72	0.0	202.0	4.04	0.0	1	0.0	70	30
26737	TEMPORARY577	SWPP	160.0	0.0	0.0	106.0	0.0	0.0	1	0.0	85	15
26745	TODH17TODGAR	PJM	388.0	27.15	0.0	388.0	24.1	0.0	1	0.0	100	30
26797	MARCREMARNOD	SWPP	167.0	0.0	0.0	167.0	0.0	0.0	1	0.0	85	15
26803	TDHWD1TDHWD2	PJM	1851.0	89.75	0.0	1509.0	75.45	0.0	1	0.0	100	30
26808	TDHT15GVRTDH	PJM	378.0	24.25	0.0	376.0	23.25	0.0	1	0.0	100	30

26834	JOPSHAJOPSHA	MISO	291.0	5.82	0.0	136.0	2.72	0.0	1	0.0	85	15
26838	ANIANIDENDEN	MISO	135.0	2.7	0.0	135.0	2.7	0.0	1	0.0	70	30
26899	HSVHOLANOFTS	MISO	106.0	2.12	0.0	106.0	2.12	0.0	1	0.0	85	15
26900	BULBLUARCGR	MISO	197.0	3.94	0.0	162.0	3.24	0.0	1	0.0	85	15
26901	ADABERBRGNOR	MISO	341.7	6.9	0.0	261.9	5.28	0.0	1	0.0	70	30
26902	BRIGTRBRINOR	MISO	560.0	11.2	0.0	515.2	10.3	0.0	1	0.0	70	30
26910	CANGRABRKAST	MISO	164.0	2.628	0.0	120.7	2.25	0.0	1	0.0	70	30
26938	GOOCOOSEGSEG	PJM	1675.0	84.0	0.0	1409.0	70.0	0.0	1	0.0	100	30
26948	7SN05S05E7BU	MISO	1793.0	35.4	0.0	1635.0	29.32	0.0	1	0.0	85	15
26966	CRECREHENHKO	PJM	229.0	11.45	0.0	180.0	8.95	0.0	1	0.0	100	30
26992	LIVCRIBARTR1	TVA	330.0	9.9	0.0	245.0	7.35	0.0	1	0.0	100	100
27007	NMAWNMDRISAN	TVA	1195.0	54.0	0.0	1195.0	54.0	0.0	1	0.0	85	15
27008	NMAWNMNMAXMR	TVA	1195.0	54.0	0.0	1195.0	54.0	0.0	1	0.0	85	15
27012	UWJYEBHNNAUJ	TVA	1394.0	83.64	0.0	1394.0	75.24	0.0	1	0.0	85	15
27030	SHALAFWESNWT	MISO	398.0	3.56	0.0	343.0	3.56	0.0	1	0.0	85	15
27056	NODMARSIBKET	TVA	282.0	3.0	0.0	243.0	3.0	0.0	1	0.0	85	15
27077	PARBRTGIBGIS	MISO	546.0	10.92	0.0	480.0	9.6	0.0	1	0.0	85	15
27086	LAFTR1LAFTTR4	MISO	225.0	4.5	0.0	225.0	4.5	0.0	1	0.0	85	15
27110	STAMONCLAHAM	TVA	399.0	11.97	0.0	377.0	8.97	0.0	1	0.0	85	15
27112	MCLTR1BLUMCL	MISO	187.0	3.74	0.0	187.0	3.74	0.0	1	0.0	70	30
27119	LAFLAFSORMAR	MISO	225.0	4.5	0.0	225.0	4.5	0.0	1	0.0	85	15
27124	MARNODMARNOD	TVA	282.0	9.21	0.0	243.0	7.29	0.0	1	0.0	85	15
27148	BATTALFRPSOL	TVA	372.0	10.05	0.0	372.0	10.05	0.0	1	0.0	85	15
27155	RISXF1RISSID	MISO	560.0	11.2	0.0	560.0	11.2	0.0	1	0.0	70	30
27166	KETSIBKETSIB	SWPP	1792.0	0.0	0.0	1792.0	0.0	0.0	1	0.0	85	15
27184	MUCWHIDRESUG	MISO	1195.0	23.9	0.0	1195.0	23.9	0.0	1	0.0	70	30
27203	LANGENHARGEN	MISO	345.0	6.9	0.0	264.0	5.28	0.0	1	0.0	85	15
27211	HETCENHETBOV	MISO	120.0	2.4	0.0	115.0	2.26	0.0	1	0.0	70	30
27222	N34BLASONCLE	SWPP	956.0	0.0	0.0	870.0	0.0	0.0	1	0.0	85	15
27235	POWTOWOAKSAN	PJM	229.0	11.45	0.0	214.0	10.7	0.0	1	0.0	100	30
27240	MORALLDUMSOR	PJM	2054.0	89.65	0.0	1911.0	89.65	0.0	1	0.0	100	30
27241	MONLABBELMON	MISO	1195.0	23.9	0.0	1195.0	23.9	0.0	1	0.0	70	30
27242	MOPMORALLDUS	PJM	1793.0	89.65	0.0	1793.0	89.65	0.0	1	0.0	100	30
27261	MARGOOFARKAN	MISO	1780.0	23.9	0.0	1521.0	23.9	0.0	1	0.0	70	30
27280	SUGDREACAYCA	MISO	1695.0	31.66	0.0	1217.0	24.34	0.0	1	0.0	70	30

27283	MAENODCOOATC	AECI	282.0	3.0	0.0	243.0	3.0	0.0	1	0.0	85	15
27292	ELLENDWAHHAM	SWPP	88.0	0.0	0.0	88.0	0.0	0.0	1	0.0	85	15
27309	SUGDRENUCCAY	MISO	1695.0	31.66	0.0	1217.0	24.34	0.0	1	0.0	70	30
27327	FRECORDRISAN	TVA	1732.0	0.0	0.0	1732.0	0.0	0.0	1	0.0	85	15
27334	HAYADAHAYMUR	MISO	286.0	5.72	0.0	245.0	4.9	0.0	1	0.0	70	30
27337	HBILRDKPUSHG	PJM	1891.0	92.75	0.0	1660.0	83.0	0.0	1	0.0	100	30
27338	MOPDAVFOSLAL	PJM	1891.0	89.65	0.0	1660.0	89.65	0.0	1	0.0	100	30
27341	VOLPHIHANCOR	TVA	1800.0	0.0	0.0	1800.0	0.0	0.0	1	0.0	85	15
27342	VOLPHIGRNROG	TVA	1800.0	0.0	0.0	1800.0	0.0	0.0	1	0.0	85	15
27347	ZHPXJFBITTMX	TVA	1800.0	0.0	0.0	1800.0	0.0	0.0	1	0.0	85	15
27353	GALWESGAL5GA	TVA	495.0	0.0	0.0	371.0	0.0	0.0	1	0.0	85	15
27356	ELKNLGSUNWH	MISO	265.0	4.7	0.0	266.0	4.86	0.0	1	0.0	85	15
27357	BATTALBATEBA	TVA	372.0	0.0	0.0	372.0	0.0	0.0	1	0.0	85	15
27362	SIOSPLOBRLAK	MISO	717.0	0.0	0.0	717.0	0.0	0.0	1	0.0	70	30
27373	AFLAFDUMSOR	MISO	225.0	4.5	0.0	225.0	4.5	0.0	1	0.0	100	30
27374	TRIGHETRICLI	TVA	1187.0	26.1	0.0	1016.0	16.2	0.0	1	0.0	85	15
27380	ZIOLAKZIOPLE	PJM	294.0	14.7	0.0	264.0	13.2	0.0	1	0.0	100	30
27391	GLEHAYGUIBLO	MISO	439.0	6.7	0.0	423.0	6.7	0.0	1	0.0	70	30
27403	GLEHAYLEDHUN	MISO	439.0	6.7	0.0	423.0	6.7	0.0	1	0.0	70	30
27410	OLDOLDBLABLA	AECI	100.0	3.0	0.0	100.0	3.0	0.0	1	0.0	85	15
27421	OLDMARBLACSC	AECI	100.0	3.63	0.0	100.0	3.0	0.0	1	0.0	85	15
27435	SHAPADMARSHA	TVA	315.0	0.0	0.0	237.0	0.0	0.0	1	0.0	85	15
27439	LACNEONEONEO	SWPP	992.0	0.0	0.0	992.0	0.0	0.0	1	0.0	85	15
27441	5ST5J7ES7LU	TVA	298.0	8.6	0.0	242.0	7.02	0.0	1	0.0	100	50
27446	NEWNEWLUTSTF	TVA	1195.0	3.0	0.0	1195.0	3.0	0.0	1	0.0	85	15
27454	PAWGALPAWKEN	LGEE	543.0	22.0	4.4	416.0	20.5	3.3	1	0.0	85	15
27460	WEBWEBGRIBVR	MISO	700.0	14.0	0.0	700.0	14.0	0.0	1	0.0	70	30
27464	BRAMARCOOFA	SWPP	204.0	0.0	0.0	180.0	0.0	0.0	1	0.0	85	15
27465	MARNODSIBKET	AECI	282.0	0.0	0.0	243.0	0.0	0.0	1	0.0	85	15
27466	FAISTJSIBKET	AECI	1195.0	3.0	0.0	1195.0	3.0	0.0	1	0.0	85	15
27469	TEMPORARY567	SWPP	1183.0	0.0	0.0	1176.0	0.0	0.0	1	0.0	85	15
27476	MRYNODCOPFRP	AECI	282.0	9.21	0.0	243.0	7.29	0.0	1	0.0	85	15
27478	MRYNODMRYBRD	AECI	282.0	9.21	0.0	243.0	7.29	0.0	1	0.0	85	15
27482	MRYNODBRDCDA	AECI	282.0	9.21	0.0	243.0	7.29	0.0	1	0.0	85	15
27486	STA82XBURCAL	PJM	308.0	18.0	0.0	308.0	18.0	0.0	1	0.0	100	30

27487	STA82XBURBUR	PJM	308.0	18.0	0.0	308.0	18.0	0.0	1	0.0	100	30
27491	CAYCAYDRESUG	MISO	490.0	9.8	0.0	490.0	9.8	0.0	1	0.0	70	30
27548	QRSQCSPPRJQH	SWPP	111.0	0.0	0.0	111.0	0.0	0.0	1	0.0	85	15
27582	TAZTAZMAPTAZ	MISO	700.0	11.2	0.0	700.0	11.2	0.0	1	0.0	70	30
27588	BIGBROELLTWI	MISO	525.8	9.28	0.0	428.0	7.14	0.0	1	0.0	70	30
27596	JOHMORHANWAH	MISO	179.0	3.28	0.0	141.6	2.44	0.0	1	0.0	70	30
27599	BIGBIGBIGBIG	MISO	876.4	15.696	0.0	876.4	12.392	0.0	1	0.0	70	30
27606	CENSQUELESTA	MISO	525.9	10.518	0.0	482.8	9.656	0.0	1	0.0	70	30
27657	QUIBEEARKFTS	MISO	223.0	13.38	0.0	205.0	12.68	0.0	1	0.0	70	30
27672	KELKELCOOSTJ	SWPP	122.0	0.0	0.0	122.0	0.0	0.0	1	0.0	85	15
27677	DANOLAARKFTS	MISO	106.0	2.12	0.0	106.0	2.12	0.0	1	0.0	70	30
27679	FERRLNSTOMTO	SWPP	66.0	0.0	0.0	51.0	0.0	0.0	1	0.0	85	15
27697	MAXBUGWINNOD	MISO	233.0	4.66	0.0	199.0	3.98	0.0	1	0.0	70	30
27699	UNIPARDUMWIL	PJM	1318.0	57.95	0.0	1141.0	48.55	0.0	1	0.0	100	30
27703	FORBOOBEOAGR	MISO	335.0	6.7	0.0	327.0	6.54	0.0	1	0.0	70	30
27707	BUCMIDTRISPE	TVA	1195.0	7.8	0.0	1195.0	3.9	0.0	1	0.0	85	15
27709	BRAMARCREMAR	SWPP	204.0	0.0	0.0	180.0	0.0	0.0	1	0.0	85	15
27711	CAYCAYROCJEF	MISO	1798.0	31.66	0.0	1374.0	25.58	0.0	1	0.0	70	30
27720	TRISPEBUCMID	TVA	1195.0	87.3	0.0	1016.0	76.2	0.0	1	0.0	85	15
27727	ESKCMDTNNHBO	SWPP	352.0	0.0	0.0	352.0	0.0	0.0	1	0.0	85	15
27742	BROAURWHISPL	SWPP	161.0	0.0	0.0	120.0	0.0	0.0	1	0.0	85	15
27745	WRIKEOEOWH	MISO	2165.0	43.3	0.0	2165.0	43.3	0.0	1	0.0	70	30
27746	KEOWESINDHOL	MISO	1732.0	34.64	0.0	1732.0	34.64	0.0	1	0.0	70	30
27748	HAZARNHAZHIC	MISO	1352.0	23.9	0.0	923.0	18.46	0.0	1	0.0	85	15
27758	FARSHECENJMM	SWPP	461.0	0.0	0.0	342.0	0.0	0.0	1	0.0	85	15
27759	ADACREMARCRE	SWPP	167.0	3.34	0.0	154.0	3.08	0.0	1	0.0	70	30
27760	LAFXFRLAFXFR	MISO	225.0	4.5	0.0	225.0	4.5	0.0	1	0.0	70	30
27781	WEMXFRCHEXFR	PJM	420.0	24.0	0.0	420.0	24.0	0.0	1	0.0	100	30
27782	WINPRILAYCAR	MISO	77.0	1.54	0.0	77.0	1.54	0.0	1	0.0	70	30
27784	CLAPRAWESBRO	TVA	399.0	11.97	0.0	299.0	8.97	0.0	1	0.0	85	15
27788	BONMONKILQU	MISO	1447.0	28.94	0.0	1189.0	23.78	0.0	1	0.0	70	30
27789	WEMPXFCHESAR	PJM	420.0	24.0	0.0	392.0	24.0	0.0	1	0.0	100	30
27792	SIOXFRSIOXFR	SWPP	250.0	0.0	0.0	250.0	0.0	0.0	1	0.0	85	15
27805	GREXF3DUMSOR	MISO	814.0	17.22	0.0	739.0	17.22	0.0	1	0.0	70	30
27809	KEOWESINDPOV	MISO	1732.0	34.64	0.0	1732.0	34.64	0.0	1	0.0	70	30

27811	TRISPETRIMID	MISO	1195.0	23.9	0.0	1016.0	20.32	0.0	1	0.0	70	30
27825	OVABKQXWNYRC	SWPP	398.0	0.0	0.0	342.0	0.0	0.0	1	0.0	85	15
27837	WARBISCENSQ	SWPP	352.0	0.0	0.0	352.0	0.0	0.0	1	0.0	85	15
27841	KEOWESSANDR	MISO	1732.0	34.64	0.0	1732.0	34.64	0.0	1	0.0	70	30
27844	GREXF2HANJEF	MISO	600.0	12.0	0.0	600.0	12.0	0.0	1	0.0	70	30
27847	BIGBLABROAST	MISO	775.2	13.15	0.0	591.1	11.75	0.0	1	0.0	70	30
27849	WESTCLAYP500	TVA	1732.0	51.96	0.0	1732.0	51.96	0.0	1	0.0	100	50
27859	WEMWEMCHEWEM	PJM	420.0	24.0	0.0	420.0	24.0	0.0	1	0.0	100	30
27861	FTTFTRGRIGRP	SWPP	320.0	0.0	0.0	320.0	0.0	0.0	1	0.0	85	15
27862	WELEDMTOTIM	SWPP	61.0	0.0	0.0	47.0	0.0	0.0	1	0.0	85	15
27874	MCHVOLRUGRUG	SWPP	120.0	0.0	0.0	120.0	0.0	0.0	1	0.0	85	15
27885	FORHANTWIBRO	MISO	665.6	10.516	0.0	527.1	10.516	0.0	1	0.0	70	30
27886	OAKFORTWIBRO	MISO	799.1	15.982	0.0	700.2	14.004	0.0	1	0.0	70	30
27889	WEBFTDBEAGR	MISO	262.0	5.24	0.0	241.0	4.82	0.0	1	0.0	70	30
27890	ADABEAKILQUI	MISO	341.7	6.9	0.0	261.9	5.28	0.0	1	0.0	70	30
27896	JOHMORBROAST	MISO	179.0	3.28	0.0	141.6	2.44	0.0	1	0.0	70	30
27905	SEGRETOCOOKK	PJM	1781.0	83.75	0.0	1409.0	70.45	0.0	1	0.0	100	30
27915	KENCRECODUM	PJM	1781.0	84.0	0.0	1409.0	70.0	0.0	1	0.0	100	30
27917	LIMLIMADBRO	TVA	549.0	16.47	0.0	411.0	12.33	0.0	1	0.0	100	50
27924	ESSSTOSANSOU	TVA	277.0	8.79	0.0	227.0	6.67	0.0	1	0.0	100	50
27933	PARHCCBONMON	AECI	316.0	9.48	0.0	193.0	5.79	0.0	1	0.0	85	15
27936	DELKOKLEED	MISO	215.0	4.06	0.0	164.0	2.94	0.0	1	0.0	85	15
27949	BRAMARCOOSTJ	SWPP	204.0	0.0	0.0	180.0	0.0	0.0	1	0.0	85	15
27961	KEWKEWPOWTOW	PJM	229.0	11.45	0.0	201.0	10.05	0.0	1	0.0	100	30
27964	CHIPRABURMUN	MISO	236.0	4.72	0.0	189.0	3.78	0.0	1	0.0	85	15
27995	TAZTAZNEVGOC	MISO	700.0	11.2	0.0	700.0	11.2	0.0	1	0.0	85	15
28000	RAUSUBBEAGR	SWPP	956.0	0.0	0.0	956.0	0.0	0.0	1	0.0	85	15
28006	HDNNEGGOORIS	MISO	1793.0	28.88	0.0	1793.0	21.64	0.0	1	0.0	85	15
28019	LONMORANOMAB	MISO	303.0	6.06	0.0	303.0	6.06	0.0	1	0.0	85	15
28024	ANOLONANOMAB	MISO	303.0	6.06	0.0	303.0	6.06	0.0	1	0.0	85	15
28029	THOHIGTHOMCC	TVA	404.0	0.0	0.0	372.0	0.0	0.0	1	0.0	85	15
28033	POPOSTAGRATAF	MISO	395.0	7.04	0.0	344.0	6.88	0.0	1	0.0	85	15
28038	MAGICCSOURIS	MISO	179.2	3.46	0.0	128.8	2.4	0.0	1	0.0	85	15
28039	TAZTAZNELELE	MISO	700.0	10.56	0.0	700.0	10.56	0.0	1	0.0	85	15
28043	TANDEATANMIA	PJM	1512.0	76.0	0.0	1204.0	60.0	0.0	1	0.0	100	30

28046	ANOANOANOMAB	MISO	672.0	13.44	0.0	672.0	13.44	0.0	1	0.0	85	15
28060	STJWOOSTJEAS	SWPP	334.0	0.0	0.0	334.0	0.0	0.0	1	0.0	85	15
28061	CLALYOCROMOO	MISO	199.0	3.98	0.0	199.0	3.98	0.0	1	0.0	85	15
28062	TAZXF2POW6UN	MISO	700.0	11.2	0.0	700.0	11.2	0.0	1	0.0	85	15
28064	LABGRAMAWILA	MISO	1714.0	34.28	0.0	1432.0	28.64	0.0	1	0.0	85	15
28065	AETPRAWILDUM	MISO	318.0	6.36	0.0	253.0	5.06	0.0	1	0.0	85	15
28070	SIOROXGRSLAB	MISO	1195.0	23.9	0.0	1195.0	23.9	0.0	1	0.0	85	15
28080	PVVKUMLDZZGV	PJM	512.8	27.15	0.0	422.9	24.4	0.0	1	0.0	100	30
28082	MIATX10WESMI	PJM	493.0	29.0	0.0	399.0	24.0	0.0	1	0.0	100	30
28083	BECTODPORTOD	PJM	299.0	18.0	0.0	299.0	15.0	0.0	1	0.0	100	30
28084	DAWLEWCHABEL	SWPP	130.0	0.0	0.0	107.0	0.0	0.0	1	0.0	85	15
28088	TAZTAZQAESS	MISO	700.0	11.2	0.0	700.0	11.2	0.0	1	0.0	85	15
28093	TEMPORARY334	SWPP	352.0	0.0	0.0	352.0	0.0	0.0	1	0.0	85	15
28096	LVTFWACRHNAU	MISO	223.0	4.46	0.0	223.0	4.46	0.0	1	0.0	85	15
28097	MORGLEANOMAB	MISO	223.0	4.46	0.0	223.0	4.46	0.0	1	0.0	85	15
28099	MAPCHRHIGDEL	MISO	201.0	3.94	0.0	145.0	2.9	0.0	1	0.0	85	15
28113	NORPURWESTIF	MISO	398.0	4.1	0.0	343.0	4.1	0.0	1	0.0	85	15
28116	CARTOYCARDRA	MISO	101.9	1.93	0.0	86.9	1.73	0.0	1	0.0	85	15
28130	HELSCOCHUHEL	MISO	1792.7	35.854	0.0	1792.7	35.854	0.0	1	0.0	85	15
28134	ADATR9ADAROC	MISO	334.6	6.6	0.0	334.6	6.6	0.0	1	0.0	85	15
28136	TAZXF2LORWIL	MISO	700.0	11.2	0.0	700.0	11.2	0.0	1	0.0	85	15
28137	S3GRANLYONXF	SWPP	160.0	0.0	0.0	106.0	0.0	0.0	1	0.0	85	15
28141	AURRDSBEAEUR	SWPP	167.0	0.0	0.0	163.0	0.0	0.0	1	0.0	0	0
28150	BEUCOYCENSQU	MISO	131.0	2.62	0.0	131.0	2.62	0.0	1	0.0	85	15
28156	PRETIBNEWSMN	MISO	236.0	4.72	0.0	202.0	4.04	0.0	1	0.0	85	15
28177	DAHSULFTTCHA	SWPP	239.0	0.0	0.0	239.0	0.0	0.0	1	0.0	85	15
28181	DAHSULCHALEL	SWPP	239.0	0.0	0.0	239.0	0.0	0.0	1	0.0	85	15
28182	17S17S17S05D	MISO	336.0	6.72	0.0	336.0	6.72	0.0	1	0.0	85	15
28191	SPLSIONOBLAK	MISO	717.0	14.34	0.0	717.0	14.34	0.0	1	0.0	85	15
28219	SUBSUBSUBSUB	SWPP	956.0	0.0	0.0	956.0	0.0	0.0	1	0.0	85	15
28224	CBLSUBCLBSUB	SWPP	558.0	0.0	0.0	558.0	0.0	0.0	1	0.0	85	15
28246	WATXFWRILSHE	SWPP	400.0	0.0	0.0	400.0	0.0	0.0	1	0.0	85	15
28247	CRE771CORHEN	PJM	229.0	11.0	0.0	180.0	9.0	0.0	1	0.0	100	30
28248	FOSWISTRICAY	SWPP	53.0	0.0	0.0	41.0	0.0	0.0	1	0.0	85	15
28249	ZACTRIMAYZAC	MISO	560.0	11.2	0.0	560.0	11.2	0.0	1	0.0	85	15

28256	TEMPORARY251	SWPP	478.0	0.0	0.0	478.0	0.0	0.0	1	0.0	85	15
28276	BROSULBASECA	PJM	2424.0	121.0	0.0	2208.0	110.0	0.0	1	0.0	100	30
28283	CHOFREWOLFRE	MISO	1732.0	34.64	0.0	1732.0	34.64	0.0	1	0.0	85	15
28301	POWTOWKEWBUR	PJM	229.0	11.45	0.0	214.0	10.7	0.0	1	0.0	100	30
28304	LALMONLEMMAJ	MISO	1740.0	34.8	0.0	1660.0	33.2	0.0	1	0.0	85	15
28309	MLAMONLEMMAJ	MISO	1740.0	34.8	0.0	1660.0	33.2	0.0	1	0.0	85	15
28312	MOONWHROKWAG	SWPP	956.0	0.0	0.0	956.0	0.0	0.0	1	0.0	85	15
28317	MONLALLEMMAJ	MISO	1740.0	34.8	0.0	1660.0	33.2	0.0	1	0.0	85	15
28318	MMOLALLEMMAJ	MISO	1740.0	34.8	0.0	1660.0	33.2	0.0	1	0.0	85	15
28319	MONLALBASECA	MISO	1556.0	31.12	0.0	1440.0	28.8	0.0	1	0.0	85	15
28321	MOPIFG28319M	MISO	1556.0	31.12	0.0	1440.0	28.8	0.0	1	0.0	85	15
28327	DRALETRIEROS	MISO	526.0	10.52	0.0	478.0	9.56	0.0	1	0.0	85	15
28340	FUGRUGGRERUG	SWPP	241.0	0.0	0.0	231.0	0.0	0.0	1	0.0	85	15
28346	HOPHOPWEBWRI	SWPP	84.0	0.0	0.0	84.0	0.0	0.0	1	0.0	85	15
28347	LELLOGPATCHA	SWPP	424.0	0.0	0.0	424.0	0.0	0.0	1	0.0	85	15
28350	LOGJOACROROC	SWPP	242.0	0.0	0.0	215.0	0.0	0.0	1	0.0	85	15
28368	WISWISDICLAK	SWPP	53.0	0.0	0.0	41.0	0.0	0.0	1	0.0	85	15
28383	MORMORDEUAST	MISO	125.0	2.5	0.0	125.0	2.5	0.0	1	0.0	85	15
28405	5BA5TA8DR8SA	TVA	372.0	10.02	0.0	372.0	10.02	0.0	1	0.0	85	15
28411	SIKMINNEWLUT	MISO	335.0	6.7	0.0	333.0	6.7	0.0	1	0.0	85	15
28412	TWODMXSCBCU	MISO	1356.0	27.12	0.0	1248.0	24.96	0.0	1	0.0	85	15
28413	SEP9T1SEPNOR	MISO	700.0	14.0	0.0	700.0	14.0	0.0	1	0.0	85	15
28425	LELLELLELLEL	SWPP	625.0	0.0	0.0	625.0	0.0	0.0	1	0.0	85	15
28430	BIGHIGBIGDEU	MISO	262.9	5.258	0.0	230.0	4.6	0.0	1	0.0	85	15
28435	KOKTIPDUMSOR	MISO	545.0	10.9	0.0	392.0	7.84	0.0	1	0.0	85	15
28448	OVEOVEKINXFR	MISO	560.0	16.8	0.0	560.0	16.8	0.0	1	0.0	85	15
28449	5CA5AP7KI7MC	MISO	290.0	8.7	0.0	242.0	7.26	0.0	1	0.0	85	15
28459	BIGBROBROAST	MISO	525.8	9.28	0.0	428.0	7.14	0.0	1	0.0	85	15
28461	RISRISFARARL	MISO	560.0	11.2	0.0	560.0	11.2	0.0	1	0.0	85	15
28462	MAHMAHDUMWIL	MISO	460.0	5.74	0.0	371.0	5.74	0.0	1	0.0	85	15
28465	KINWILOVECAL	AECI	334.0	11.07	0.0	279.0	8.37	0.0	1	0.0	85	15
28467	KINWILBOOMIL	AECI	334.0	11.07	0.0	279.0	8.37	0.0	1	0.0	85	15
28469	SHEDEN7MC7MO	AECI	257.0	7.71	0.0	207.0	6.21	0.0	1	0.0	85	15
28470	OJOZWBFKOYKG	MISO	233.0	4.66	0.0	199.0	3.98	0.0	1	0.0	85	15
28490	5FL7FL7LU7ST	TVA	392.0	10.02	0.0	392.0	10.02	0.0	1	0.0	85	15

28505	7LA7GR7W7W	MISO	1714.0	34.28	0.0	1432.0	28.64	0.0	1	0.0	85	15
28520	4TA4JA7MT7WW	MISO	478.0	5.18	0.0	478.0	4.44	0.0	1	0.0	85	15
28521	4SH4DIKIN7LA	MISO	205.0	4.1	0.0	160.0	3.2	0.0	1	0.0	85	15
28523	4WE4MA4GI4PA	MISO	460.0	5.74	0.0	371.0	5.74	0.0	1	0.0	85	15
28525	WELDIAWELDIA	SWPP	1186.0	0.0	0.0	1059.0	0.0	0.0	1	0.0	85	15
28531	4MA4MADREPON	MISO	460.0	5.74	0.0	371.0	5.74	0.0	1	0.0	85	15
28547	BISESTMANWAR	SWPP	192.0	0.0	0.0	144.0	0.0	0.0	1	0.0	100	30
28552	3MAST4MA8SH	MISO	595.0	11.9	0.0	595.0	11.9	0.0	1	0.0	85	15
28554	MACWNTARBROCC	MISO	233.0	4.66	0.0	199.0	3.98	0.0	1	0.0	85	15
28555	4MPBLUHELSCOC	MISO	1195.1	23.9	0.0	1195.1	23.9	0.0	1	0.0	85	15
28557	08S08D05E08C	MISO	1695.0	31.66	0.0	1217.0	24.34	0.0	1	0.0	85	15
28559	ELEELEELELOM	PJM	392.0	24.0	0.0	392.0	24.0	0.0	1	0.0	85	15
28560	17S17R17MBUR	MISO	287.0	5.74	0.0	287.0	5.74	0.0	1	0.0	85	15
28562	17S17R05DWIL	MISO	287.0	5.74	0.0	287.0	5.74	0.0	1	0.0	100	30
28564	4FA7FA7LAKIN	MISO	560.0	11.2	0.0	560.0	11.2	0.0	1	0.0	85	15
28565	4MA4MA7LAKIN	MISO	460.0	5.74	0.0	371.0	5.74	0.0	1	0.0	85	15
28569	SPEWISCLITL	MISO	223.0	4.46	0.0	223.0	4.46	0.0	1	0.0	85	15
28570	4FT4HU7LA7MO	MISO	287.0	5.74	0.0	287.0	5.74	0.0	1	0.0	85	15
28579	SEPOTRMADNOR	MISO	700.0	14.0	0.0	700.0	14.0	0.0	1	0.0	85	15
28587	GREVOLGREGRE	SWPP	120.0	0.0	0.0	120.0	0.0	0.0	1	0.0	85	15
28590	5OV5MC7MC7KI	MISO	355.0	7.1	0.0	297.0	5.94	0.0	1	0.0	85	15
28601	08B07H05T06D	MISO	378.0	7.56	0.0	291.0	5.82	0.0	1	0.0	85	15
28605	4DE4EMKIN7AU	MISO	361.0	7.22	0.0	283.0	5.66	0.0	1	0.0	85	15
28608	BUL5MI8HO8IS	MISO	162.0	3.24	0.0	162.0	3.24	0.0	1	0.0	85	15
28609	3DA3OL5RUDAR	MISO	106.0	2.1	0.0	106.0	2.1	0.0	1	0.0	85	15
28617	BSSBIGASTBRK	MISO	876.4	15.7	0.0	876.4	12.39	0.0	1	0.0	85	15
28619	DOUBNEKARPER	MISO	335.0	6.7	0.0	335.0	6.7	0.0	1	0.0	100	30
28620	05E08C08S7KA	MISO	1798.0	27.48	0.0	1374.0	27.48	0.0	1	0.0	85	15
28622	08B07H05M05S	MISO	378.0	5.82	0.0	291.0	5.82	0.0	1	0.0	85	15
28624	05T06D05M05S	PJM	1512.0	76.0	0.0	1204.0	60.0	0.0	1	0.0	85	15
28625	7OV5OVBONMON	MISO	560.0	11.2	0.0	560.0	11.2	0.0	1	0.0	85	15
28626	EMEKILCOLKIL	MISO	590.0	11.8	0.0	516.0	10.32	0.0	1	0.0	85	15
28629	TEKRAURAUHOS	SWPP	217.0	0.0	0.0	217.0	0.0	0.0	1	0.0	100	30
28630	GRAMRSLYOHAZ	SWPP	160.0	2.12	0.0	106.0	2.12	0.0	1	0.0	85	15
28631	17R17R17R17B	MISO	350.0	37.1	0.0	350.0	31.62	0.0	1	0.0	85	15

28634	BSSBIGOAKELL	MISO	876.4	15.69	0.0	876.4	12.39	0.0	1	0.0	85	15
28635	17S17SWIL05D	MISO	560.0	11.2	0.0	560.0	11.2	0.0	1	0.0	85	15
28637	BSSBIGBROAST	MISO	876.4	0.0	0.0	876.4	12.39	0.0	1	0.0	85	15
28638	17S05D05OGRE	PJM	1532.0	72.0	0.0	1075.0	54.0	0.0	1	0.0	85	15
28641	17D17M17S17B	MISO	247.0	4.36	0.0	222.0	3.72	0.0	1	0.0	85	15
28643	17R17S17S17S	MISO	287.0	5.74	0.0	287.0	5.74	0.0	1	0.0	85	15
28649	REDMAN7SALON	MISO	287.0	5.74	0.0	287.0	5.74	0.0	1	0.0	85	15
28656	BOOMFTNORNOR	MISO	482.0	9.64	0.0	410.0	8.2	0.0	1	0.0	85	15
28657	ELLABEASTDEU	MISO	147.0	2.8	0.0	142.0	2.8	0.0	1	0.0	85	15
28660	GRISTAGRISYC	MISO	700.0	14.0	0.0	700.0	14.0	0.0	1	0.0	85	15
28665	SPLSIORAUSIO	SWPP	461.0	0.0	0.0	343.0	0.0	0.0	1	0.0	85	15
28666	PIPSPLNOBSPL	MISO	252.0	5.03	0.0	203.0	4.06	0.0	1	0.0	85	15
28668	BELBELBELBEL	SWPP	312.0	0.0	0.0	312.0	0.0	0.0	1	0.0	85	15
28678	FARSHERIEROS	SWPP	460.0	0.0	0.0	341.0	0.0	0.0	1	0.0	85	15
28694	WELELDWELIAP	SWPP	66.0	0.0	0.0	50.0	0.0	0.0	1	0.0	85	15
28696	QUAROCMORTIF	MISO	1356.0	27.12	0.0	1248.0	24.96	0.0	1	0.0	85	15
28697	QUAROCSUBQUA	MISO	1356.0	27.12	0.0	1248.0	24.96	0.0	1	0.0	85	15
28701	MAPCHRLEEDEE	MISO	201.0	2.9	0.0	145.0	2.9	0.0	1	0.0	85	15
28702	STJLBSTJSCH	MISO	247.0	4.94	0.0	222.0	4.44	0.0	1	0.0	85	15
28703	BATHUBEASTER	MISO	378.0	7.56	0.0	291.0	5.82	0.0	1	0.0	85	15
28704	MITROXAMOMAR	MISO	197.0	3.94	0.0	158.0	3.16	0.0	1	0.0	85	15
28706	KENSTACHAPAT	MISO	100.0	1.34	0.0	71.0	1.34	0.0	1	0.0	85	15
28709	ELLABEELLSTA	MISO	146.8	2.936	0.0	142.0	2.84	0.0	1	0.0	85	15
28718	08K08T08C08N	MISO	545.0	7.84	0.0	392.0	7.84	0.0	1	0.0	85	15
28731	6CH6HE8HA8CY	MISO	685.0	13.7	0.0	685.0	13.7	0.0	1	0.0	85	15
28732	HANWAHHANWAH	MISO	478.0	9.56	0.0	478.0	9.56	0.0	1	0.0	85	15
28733	HANWAHMANNAP	MISO	525.8	10.516	0.0	525.8	10.516	0.0	1	0.0	85	15
28736	06P08P05T08M	PJM	569.0	28.0	0.0	486.0	24.0	0.0	1	0.0	85	15
28742	5SH5JO5JO5SH	MISO	291.0	5.82	0.0	136.0	2.72	0.0	1	0.0	85	15
28750	BURBANBUROSG	SWPP	66.0	0.0	0.0	50.0	0.0	0.0	1	0.0	85	15
28754	DARDAMQUICLI	SWPP	250.0	0.0	0.0	189.0	0.0	0.0	1	0.0	85	15
28771	MECSUBQUASUB	MISO	1726.0	32.08	0.0	1471.0	32.08	0.0	1	0.0	85	15
28773	QUASUBMECSUB	MISO	1785.0	32.08	0.0	1471.0	32.08	0.0	1	0.0	85	15
28775	08W07H05M05M	MISO	378.0	5.82	0.0	291.0	7.18	0.0	1	0.0	85	15
28778	CAYWISWEBIRV	MISO	276.0	4.3	0.0	215.0	4.3	0.0	1	0.0	85	15

28779	LAKZIOPLSZIO	PJM	294.0	15.0	0.0	264.0	13.0	0.0	1	0.0	100	30
28783	EXIANTGRIBEA	SWPP	276.0	0.0	0.0	207.0	0.0	0.0	1	0.0	85	15
28790	MECSUBESSQUA	MISO	1726.0	48.12	0.0	1471.0	48.12	0.0	1	0.0	85	15
28802	5HI5T5CLTAB	MISO	223.0	6.96	0.0	223.0	6.96	0.0	1	0.0	85	15
28821	3HI3NE8WO8MC	MISO	155.36	3.1	0.0	155.36	3.1	0.0	1	0.0	85	15
28822	3LO3HI8WO8MC	MISO	154.96	3.1	0.0	154.96	3.1	0.0	1	0.0	85	15
28831	17C17UWIL05D	MISO	236.0	4.72	0.0	189.0	3.78	0.0	1	0.0	85	15
28835	POW7TADREMUL	MISO	1912.0	38.24	0.0	1512.0	30.24	0.0	1	0.0	85	15
28836	STAGREPRACNT	MISO	84.0	1.68	0.0	84.0	1.68	0.0	1	0.0	85	15
28841	SOUMALGARVOL	MISO	147.4	2.94	0.0	112.6	2.25	0.0	1	0.0	85	15
28845	SIK5MI8DE8SA	MISO	335.0	6.7	0.0	333.0	6.66	0.0	1	0.0	85	15
28846	MALSOUMALSOU	MISO	137.3	2.746	0.0	96.7	1.934	0.0	1	0.0	85	15
28847	LAUJASTRADYS	MISO	446.0	8.92	0.0	398.0	7.96	0.0	1	0.0	85	15
28848	17M17R17R17M	MISO	197.0	3.94	0.0	158.0	3.16	0.0	1	0.0	85	15
28850	SIK5MI8SA8DR	MISO	335.0	6.7	0.0	333.0	6.66	0.0	1	0.0	85	15
28859	3MA3MA8ELSTA	MISO	159.0	3.36	0.0	159.0	3.36	0.0	1	0.0	85	15
28860	OZD5OM5OS5GR	MISO	162.0	3.24	0.0	162.0	3.24	0.0	1	0.0	85	15
28861	08N08W05M17R	MISO	378.0	5.94	0.0	301.0	5.94	0.0	1	0.0	85	15
28865	19M02L19L19M	MISO	1403.0	28.06	0.0	953.0	19.06	0.0	1	0.0	85	15
28883	4MI4HEPOW4TC	PJM	236.0	4.72	0.0	202.0	4.04	0.0	1	0.0	85	15
28885	4BU4MI4MI4HE	PJM	215.0	4.3	0.0	202.0	4.04	0.0	1	0.0	85	15
28886	08N08W17R17R	MISO	378.0	5.82	0.0	301.0	5.82	0.0	1	0.0	85	15
28891	4BU4MI4BU4MI	PJM	205.0	4.1	0.0	160.0	3.2	0.0	1	0.0	85	15
28899	SUBSUBCORS39	MISO	369.0	7.38	0.0	314.0	6.28	0.0	1	0.0	85	15
28900	08N08W17T08S	MISO	378.0	7.18	0.0	301.0	5.82	0.0	1	0.0	85	15
28901	SUBSUBSUBS91	MISO	449.0	8.98	0.0	371.0	7.42	0.0	1	0.0	85	15
28902	SUBSUBCORSUB	MISO	369.0	7.38	0.0	314.0	6.28	0.0	1	0.0	85	15
28903	SUBSUBSUBMEC	MISO	369.0	7.38	0.0	314.0	6.28	0.0	1	0.0	85	15
28911	SUBSUBS56SUB	MISO	363.0	7.26	0.0	335.0	6.7	0.0	1	0.0	85	15
28912	SUBQC0SUBSUB	MISO	435.0	8.7	0.0	360.0	7.2	0.0	1	0.0	85	15
28913	SUBUTISUBMEC	MISO	433.0	8.66	0.0	349.0	6.98	0.0	1	0.0	85	15
28918	KARPERGRIBEA	MISO	267.0	5.34	0.0	221.0	4.42	0.0	1	0.0	85	15
28919	IBNSEMPRAMTY	MISO	286.0	5.74	0.0	227.0	3.8	0.0	1	0.0	85	15
28926	08N08W08C08C	MISO	378.0	5.82	0.0	301.0	5.82	0.0	1	0.0	85	15
28927	4BU4MI4RU4CO	PJM	236.0	11.8	0.0	202.0	10.1	0.0	1	0.0	100	30

28928	4BU4MI7SA7FA	PJM	236.0	11.8	0.0	202.0	10.1	0.0	1	0.0	100	30
28930	DOUBNEM-TSTR	MISO	335.0	6.7	0.0	335.0	6.7	0.0	1	0.0	85	15
28933	5THSAL7TH7MO	SWPP	334.0	0.0	0.0	334.0	0.0	0.0	1	0.0	85	15
28936	08W07H08B7GH	MISO	378.0	5.82	0.0	291.0	5.82	0.0	1	0.0	85	15
28937	BUL5MIBUL5GA	MISO	162.0	3.24	0.0	162.0	3.24	0.0	1	0.0	85	15
28942	RAUTEKBEAGRI	SWPP	217.0	0.0	0.0	217.0	0.0	0.0	1	0.0	85	15
28943	MUDRIVMUDRIV	MISO	478.0	6.0	0.0	338.6	9.0	0.0	1	0.0	85	15
28951	3LY3CL3CL3RO	MISO	199.0	3.98	0.0	199.0	3.98	0.0	1	0.0	85	15
28969	HILTIFROCQUA	MISO	1331.0	20.44	0.0	1022.0	20.44	0.0	1	0.0	85	15
28975	DUN17M05DWIL	PJM	247.0	4.94	0.0	222.0	4.44	0.0	1	0.0	85	15
28978	MACWNT5MAMAR	MISO	233.0	4.66	0.0	199.0	3.98	0.0	1	0.0	85	15
28979	6RI6TU8SA8DR	MISO	462.0	9.24	0.0	462.0	9.24	0.0	1	0.0	85	15
28980	LEHWEBRAUIDA	MISO	1205.0	20.74	0.0	1139.0	19.12	0.0	1	0.0	85	15
28981	DBRLAKLEDKOS	MISO	1476.0	29.48	0.0	1279.0	18.64	0.0	1	0.0	85	15
28982	8W.STA8IS8HO	MISO	450.0	9.0	0.0	450.0	9.0	0.0	1	0.0	85	15
28985	EMECOLKILEME	MISO	419.0	8.3	0.0	366.0	7.3	0.0	1	0.0	85	15
28986	3CL3LY3DE3SH	MISO	199.0	3.98	0.0	199.0	3.98	0.0	1	0.0	85	15
28993	SUBSUBQUAROC	MISO	1450.0	29.0	0.0	1196.0	23.92	0.0	1	0.0	85	15
28994	SUBSTASUBMEC	MISO	700.0	14.0	0.0	563.0	11.26	0.0	1	0.0	85	15
28995	SUBSTAQUAROC	MISO	700.0	14.0	0.0	563.0	11.26	0.0	1	0.0	85	15
28997	SUBSUB7HU7ZA	MISO	1450.0	29.0	0.0	1196.0	23.92	0.0	1	0.0	85	15
29002	BIGHIWBIGBLA	MISO	262.9	5.258	0.0	230.0	4.6	0.0	1	0.0	85	15
29013	TEKRAUFTCRAU	SWPP	217.0	0.0	0.0	217.0	0.0	0.0	1	0.0	85	15
29015	17D17M05DWIL	PJM	247.0	12.0	0.0	222.0	11.0	0.0	1	0.0	100	30
29016	08N08W05J05R	MISO	378.0	5.82	0.0	301.0	5.82	0.0	1	0.0	85	15
29020	CLAHASCOO7FA	MISO	221.0	3.84	0.0	183.0	3.34	0.0	1	0.0	85	15
29021	LIMBARHELSHE	MISO	304.0	6.08	0.0	266.0	5.32	0.0	1	0.0	85	15
29022	SHEHELSHEHEL	MISO	1799.3	35.98	0.0	1375.8	27.51	0.0	1	0.0	85	15
29024	ORINORNORNOR	MISO	1316.0	26.32	0.0	1012.0	20.24	0.0	1	0.0	85	15
29025	ATCCOOORIMAD	MISO	956.0	19.12	0.0	956.0	19.12	0.0	1	0.0	85	15
29026	MACCREOTT7HU	SWPP	167.0	3.34	0.0	167.0	3.34	0.0	1	0.0	85	15
29032	NWTWLCYGYXFS	MISO	378.0	7.18	0.0	301.0	5.82	0.0	1	0.0	85	15
29033	17S17R17S17M	MISO	287.0	5.74	0.0	287.0	5.74	0.0	1	0.0	85	15
29037	5HO5FR8FR8SO	MISO	448.0	4.86	0.0	448.0	4.86	0.0	1	0.0	85	15
29039	S34S34WAGS34	SWPP	956.0	0.0	0.0	956.0	0.0	0.0	1	0.0	85	15

29044	ANTANIWNTMAC	MISO	135.0	2.7	0.0	135.0	2.7	0.0	1	0.0	85	15
29047	SUBCORHILTIF	MISO	364.0	7.28	0.0	360.0	7.2	0.0	1	0.0	85	15
29050	WEBWRICOLKIL	MISO	263.0	5.26	0.0	224.0	4.48	0.0	1	0.0	85	15
29059	WALFRALEDKOS	MISO	263.0	5.26	0.0	224.0	4.48	0.0	1	0.0	85	15
29062	SIOSPLLEDHUN	MISO	717.0	14.34	0.0	717.0	14.34	0.0	1	0.0	85	15
29072	5TH5MO7MC7TH	TVA	481.0	3.0	0.0	364.0	3.0	0.0	1	0.0	85	15
29074	BIGHIWASTDEU	MISO	262.9	5.258	0.0	230.0	4.6	0.0	1	0.0	85	15
29076	COOATCOTT7HU	MISO	956.0	19.12	0.0	956.0	19.12	0.0	1	0.0	85	15
29087	4VE4TI7BU7SI	MISO	478.0	8.61	0.0	478.0	8.61	0.0	1	0.0	85	15
29088	4LA08V08S7KA	MISO	287.0	5.74	0.0	269.0	5.38	0.0	1	0.0	85	15
29089	RAUS34SHEHOS	SWPP	956.0	0.0	0.0	956.0	0.0	0.0	1	0.0	85	15
29090	TEMPORARY868	MISO	120.0	2.4	0.0	120.0	2.4	0.0	1	0.0	85	15
29091	ATCCOOPONROL	MISO	956.0	19.12	0.0	956.0	19.12	0.0	1	0.0	85	15
29093	CANGRAHELSEH	MISO	164.0	2.628	0.0	120.7	2.25	0.0	1	0.0	85	15
29094	MACCREROLOR	SWPP	167.0	3.34	0.0	167.0	3.34	0.0	1	0.0	85	15
29095	CANGRABRONEW	MISO	164.0	2.628	0.0	120.7	2.25	0.0	1	0.0	85	15
29104	STALYOSHEWIL	MISO	560.0	8.76	0.0	515.2	8.76	0.0	1	0.0	85	15
29107	SIB7OVBOONMON	MISO	956.0	19.12	0.0	956.0	19.12	0.0	1	0.0	85	15
29108	16GSTA08H08W	MISO	572.0	11.44	0.0	572.0	11.44	0.0	1	0.0	85	15
29112	08C08H08C08N	MISO	545.0	10.9	0.0	392.0	7.84	0.0	1	0.0	85	15
29114	SUBSUBMECSUB	MISO	380.0	7.6	0.0	314.0	6.28	0.0	1	0.0	85	15
29120	WALIPASWSDOL	MISO	188.0	3.76	0.0	188.0	3.76	0.0	1	0.0	85	15
29126	7AL08G08S7KA	MISO	1583.0	23.9	0.0	1217.0	23.9	0.0	1	0.0	85	15
29131	5ZA5AD7ZA7FA	MISO	558.0	11.16	0.0	558.0	11.16	0.0	1	0.0	85	15
29133	HANWAHASTBRK	MISO	525.8	10.51	0.0	525.8	10.51	0.0	1	0.0	85	15
29136	FARSHEHANWAH	SWPP	460.0	0.0	0.0	341.0	0.0	0.0	1	0.0	85	15
29142	05A05R05M05S	PJM	1069.0	53.45	0.0	897.0	44.85	0.0	1	0.0	100	30
29144	HUCSTASCOHEL	MISO	187.0	3.74	0.0	187.0	3.74	0.0	1	0.0	85	15
29145	HUCSTAHUCSTA	MISO	187.0	3.74	0.0	187.0	3.74	0.0	1	0.0	85	15
29151	MRSGRALYOHAW	SWPP	172.0	0.0	0.0	106.0	0.0	0.0	1	0.0	85	15
29152	WATWATLYOHAW	SWPP	478.0	0.0	0.0	478.0	0.0	0.0	1	0.0	85	15
29153	WHISPLLYOHAW	SWPP	1105.0	0.0	0.0	1105.0	0.0	0.0	1	0.0	85	15
29161	LEHWEBOBRHIC	MISO	1205.0	20.74	0.0	1139.0	19.12	0.0	1	0.0	85	15
29162	LEEPLYRAUSIO	MISO	308.0	6.16	0.0	272.0	5.44	0.0	1	0.0	85	15
29163	STAADAADAMIT	MISO	334.6	6.7	0.0	334.6	6.7	0.0	1	0.0	85	15

29166	05A05R05H05J	PJM	897.0	45.0	0.0	1069.0	53.0	0.0	1	0.0	85	15
29168	SUBSUBOAKSUB	MISO	380.0	7.6	0.0	314.0	6.28	0.0	1	0.0	85	15
29180	4MO4LA7MO7RC	MISO	329.0	7.24	0.0	289.0	7.24	0.0	1	0.0	85	15
29186	4RE4MO7MO7CO	MISO	368.0	7.36	0.0	289.0	5.78	0.0	1	0.0	85	15
29188	LONOAKLONSW\$	SWPP	188.0	0.0	0.0	234.0	0.0	0.0	1	0.0	85	15
29192	7CO7DA10A7RE	LGEE	717.0	68.6	0.0	717.0	39.8	0.0	1	0.0	100	50
29193	5BR5PA5PA1PA	TVA	508.0	15.24	0.0	464.0	13.92	0.0	1	0.0	100	50
29202	MORGRAMOOFAR	MISO	166.7	2.8	0.0	132.7	2.06	0.0	1	0.0	85	15
29204	HILSUBSUBHIL	MISO	314.0	6.28	0.0	241.0	4.82	0.0	1	0.0	85	15
29206	HILSUBQUAROC	MISO	1597.0	30.12	0.0	1304.0	26.08	0.0	1	0.0	85	15
29219	17S17S17G17P	MISO	560.0	11.2	0.0	560.0	11.2	0.0	1	0.0	85	15
29224	CREMAC5GE5FA	SWPP	167.0	0.0	0.0	167.0	0.0	0.0	1	0.0	85	15
29233	17M17R17M17R	MISO	197.0	3.94	0.0	158.0	3.16	0.0	1	0.0	85	15
29234	17M17R17C17M	MISO	197.0	3.94	0.0	158.0	3.16	0.0	1	0.0	85	15
29237	WALIPALON7SA	MISO	188.0	3.76	0.0	188.0	3.76	0.0	1	0.0	85	15
29247	5MA5NO5MACRE	TVA	307.0	9.21	0.0	243.0	7.29	0.0	1	0.0	85	15
29248	4LA4MO7MO7RC	MISO	329.0	6.58	0.0	289.0	5.78	0.0	1	0.0	85	15
29249	6TW6RO8SO6S	MISO	462.0	9.24	0.0	462.0	9.24	0.0	1	0.0	85	15
29251	4PR4TI7CM7AS	MISO	236.0	7.08	0.0	202.0	6.06	0.0	1	0.0	85	15
29253	FUL3PADOLSW\$	SWPP	159.0	0.0	0.0	158.0	0.0	0.0	1	0.0	85	15
29254	PITSEMPITCAR	SWPP	956.0	0.0	0.0	956.0	0.0	0.0	1	0.0	85	15
29257	GREROCGREROC	MISO	562.1	9.22	0.0	410.3	5.608	0.0	1	0.0	85	15
29258	SUBHILQUAROC	MISO	1597.0	29.0	0.0	1304.0	23.92	0.0	1	0.0	85	15
29261	FERHOOFERGRE	MISO	132.0	2.64	0.0	132.0	2.64	0.0	1	0.0	85	15
29279	SPLSTAHELSHE	MISO	223.1	4.462	0.0	215.1	4.302	0.0	1	0.0	85	15
29286	PARELMCOOGRE	MISO	1315.2	26.304	0.0	1195.1	23.902	0.0	1	0.0	85	15
29288	4DE4EM4AD4MT	MISO	361.0	7.22	0.0	283.0	5.66	0.0	1	0.0	85	15
29290	TEMPORARY776	SWPP	478.0	0.0	0.0	478.0	0.0	0.0	1	0.0	85	15
29292	GREMUDQUAGRE	MISO	516.0	10.3	0.0	385.0	7.7	0.0	1	0.0	85	15
29298	LIMBARKILQUI	MISO	304.0	6.08	0.0	266.0	5.32	0.0	1	0.0	85	15
29302	7BRSTA7BR7SB	MISO	478.0	9.56	0.0	478.0	9.56	0.0	1	0.0	85	15
29304	4RI4BO7RI7SI	MISO	381.0	7.62	0.0	325.0	6.5	0.0	1	0.0	85	15
29305	MACWNTMADNOR	MISO	233.0	4.66	0.0	199.0	3.98	0.0	1	0.0	85	15
29308	8VRSUBSUBMEC	MISO	223.0	4.46	0.0	223.0	4.46	0.0	1	0.0	85	15
29309	DOLDOLLEBTEN	MISO	771.0	15.42	0.0	771.0	15.42	0.0	1	0.0	85	15

29314	7LE7GO7CL7BR	MISO	1780.0	23.9	0.0	1521.0	23.9	0.0	1	0.0	85	15
29319	TEKS12BEAGRI	SWPP	256.0	5.12	0.0	256.0	5.12	0.0	1	0.0	85	15
29322	LIMBARHAYGLE	MISO	304.0	6.08	0.0	266.0	5.32	0.0	1	0.0	85	15
29327	STA8WM8KE8WM	MISO	450.0	9.0	0.0	450.0	9.0	0.0	1	0.0	85	15
29328	5SH5SE8FR8CO	TVA	254.0	7.62	0.0	223.0	6.69	0.0	1	0.0	85	15
29329	5OA5SE8FR8CO	TVA	223.0	6.69	0.0	223.0	6.69	0.0	1	0.0	85	15
29333	5ES5RI7ES7WN	AECI	293.0	8.79	0.0	222.0	6.66	0.0	1	0.0	100	50
29342	08G08F10A08G	MISO	1565.0	31.3	0.0	1388.0	25.58	0.0	1	0.0	85	15
29351	7HE5HE7KE7LU	MISO	560.0	11.2	0.0	560.0	11.2	0.0	1	0.0	85	15
29352	CREMACEXIDEN	SWPP	167.0	0.0	0.0	167.0	0.0	0.0	1	0.0	85	15
29359	TIPPOLMEMBIR	TVA	399.0	11.97	0.0	299.0	8.97	0.0	1	0.0	85	15
29361	GRAKARBEAGR	MISO	219.0	4.38	0.0	212.0	4.24	0.0	1	0.0	85	15
29365	HARGENNRBR	MISO	341.7	6.834	0.0	261.9	5.238	0.0	1	0.0	85	15
29367	NMATIPWMEBIR	TVA	689.0	20.67	0.0	600.0	18.0	0.0	1	0.0	85	15
29369	WESMEMSANDRI	MISO	450.0	9.0	0.0	450.0	9.0	0.0	1	0.0	85	15
29370	5BR5PA8IS8HO	MISO	272.0	5.06	0.0	253.0	5.06	0.0	1	0.0	85	15
29374	5QU5HE8HO8IS	MISO	148.0	2.96	0.0	148.0	2.96	0.0	1	0.0	85	15
29380	ANIANBTBNEGR	MISO	135.0	2.7	0.0	135.0	2.7	0.0	1	0.0	85	15
29381	BNESTABEAGR	MISO	292.0	5.84	0.0	292.0	5.84	0.0	1	0.0	85	15
29382	BNESTAM-TTIM	MISO	292.0	5.84	0.0	292.0	5.84	0.0	1	0.0	85	15
29392	18P18R18A18P	MISO	1426.0	28.52	0.0	1313.0	26.26	0.0	1	0.0	85	15
29395	MOPI_FG29392	MISO	1426.0	28.52	0.0	1313.0	26.26	0.0	1	0.0	85	15
29406	SIOSPLRAUREM	MISO	461.0	9.22	0.0	343.0	6.86	0.0	1	0.0	85	15
29414	17R17M17M17R	MISO	344.0	6.8	0.0	288.0	5.7	0.0	1	0.0	85	15
29415	GRESTARUGRUG	MISO	84.0	1.68	0.0	84.0	1.68	0.0	1	0.0	85	15
29433	3JA3HO8KE8HO	MISO	298.0	6.8	0.0	298.0	6.8	0.0	1	0.0	85	15
29437	WILBUCBISCOL	SWPP	68.0	0.0	0.0	52.0	0.0	0.0	1	0.0	85	15
29438	4PR4TI7CM7JO	MISO	236.0	4.1	0.0	202.0	3.2	0.0	1	0.0	85	15
29439	STA17W17RSTA	PJM	558.0	27.9	0.0	553.0	27.65	0.0	1	0.0	85	15
29441	SUBSUBMCRSUB	MISO	676.0	13.52	0.0	634.0	12.68	0.0	1	0.0	85	15
29442	17R17MWIL05D	MISO	344.0	6.88	0.0	288.0	5.76	0.0	1	0.0	85	15
29447	WALFRACOLBIS	MISO	263.0	5.26	0.0	224.0	4.48	0.0	1	0.0	85	15
29454	17M17R17M17C	MISO	197.0	3.94	0.0	158.0	3.16	0.0	1	0.0	85	15
29455	17R17M17MBUR	MISO	344.0	6.88	0.0	288.0	5.76	0.0	1	0.0	85	15
29456	5FA5OSSIBKET	TVA	293.0	8.79	0.0	222.0	6.66	0.0	1	0.0	100	100

29461	QUASUBQUAROC	MISO	1785.0	33.12	0.0	1471.0	29.42	0.0	1	0.0	85	15
29462	GRJKARARBRC	MISO	219.0	4.38	0.0	212.0	4.24	0.0	1	0.0	85	15
29464	MACWNTCRE5MA	MISO	233.0	4.66	0.0	199.0	3.98	0.0	1	0.0	85	15
29465	HETCENDAWMIN	MISO	120.0	2.4	0.0	115.0	2.3	0.0	1	0.0	85	15
29466	HETCENMINMED	MISO	120.0	2.4	0.0	115.0	2.3	0.0	1	0.0	85	15
29471	TEKS12SHECOL	SWPP	256.0	0.0	0.0	256.0	0.0	0.0	1	0.0	85	15
29472	SIOSPLOBRHIG	SWPP	461.0	0.0	0.0	343.0	0.0	0.0	1	0.0	85	15
29475	GRJKARBNESTA	MISO	219.0	4.38	0.0	212.0	4.24	0.0	1	0.0	85	15
29479	HETCENBELDAC	MISO	120.0	2.4	0.0	115.0	2.3	0.0	1	0.0	85	15
29480	SPLSIOSTEHAW	SWPP	461.0	0.0	0.0	343.0	0.0	0.0	1	0.0	85	15
29485	FARSHEBRONEV	SWPP	460.0	0.0	0.0	341.0	0.0	0.0	1	0.0	85	15
29487	DREDREDREELV	PJM	480.0	24.0	0.0	480.0	24.0	0.0	1	0.0	100	30
29488	5CA5AP5KI5WL	MISO	290.0	11.9	0.0	242.0	11.9	0.0	1	0.0	85	15
29489	BUL5MI8AN8PH	MISO	162.0	3.24	0.0	162.0	3.24	0.0	1	0.0	85	15
29490	5MO5ST8AN8PH	MISO	279.0	5.58	0.0	279.0	5.58	0.0	1	0.0	85	15
29491	5MO5GL8PH8MA	MISO	223.0	4.46	0.0	223.0	4.46	0.0	1	0.0	85	15
29492	5AN5LO8AN8PH	MISO	303.0	6.06	0.0	303.0	6.06	0.0	1	0.0	85	15
29493	BIGBRODEUAST	MISO	525.8	10.5	0.0	428.0	8.56	0.0	1	0.0	85	15
29495	4AR4MA7AR7KA	MISO	293.0	11.9	0.0	227.0	11.9	0.0	1	0.0	85	15
29501	STJWOONASSTJ	SWPP	334.0	0.0	0.0	334.0	0.0	0.0	1	0.0	85	15
29502	ELDOTTWELIAP	MISO	104.0	1.36	0.0	91.0	1.04	0.0	1	0.0	85	15
29509	KARPERBNESTA	MISO	267.0	5.34	0.0	221.0	4.42	0.0	1	0.0	85	15
29515	WEBSUBWEBHAY	MISO	262.0	5.24	0.0	241.0	4.82	0.0	1	0.0	85	15
29516	STA17R17S17W	MISO	299.0	5.98	0.0	288.0	5.76	0.0	1	0.0	85	15
29518	CENSQBCENSQB	MISO	478.0	9.56	0.0	439.0	8.78	0.0	1	0.0	85	15
29523	08B07H08M08M	MISO	378.0	7.56	0.0	291.0	5.82	0.0	1	0.0	85	15
29524	5OM5HA5DR5GR	MISO	156.0	3.12	0.0	156.0	3.12	0.0	1	0.0	85	15
29526	7KE5KE5CA5JO	MISO	336.0	6.72	0.0	336.0	6.72	0.0	1	0.0	85	15
29529	WEMWEMBYRBYR	PJM	480.0	24.0	0.0	480.0	24.0	0.0	1	0.0	100	30
29534	BIGBROBIGBLA	MISO	525.8	10.51	0.0	428.0	8.56	0.0	1	0.0	85	15
29535	BIGBROHELSCC	MISO	525.8	10.52	0.0	428.0	8.56	0.0	1	0.0	85	15
29538	SIOPAHUTIRAS	SWPP	460.0	0.0	0.0	343.0	0.0	0.0	1	0.0	85	15
29541	ADACRECLAHAS	MISO	167.0	3.34	0.0	154.0	3.08	0.0	1	0.0	85	15
29542	WNTNORCLAHAS	MISO	194.0	3.88	0.0	146.0	2.92	0.0	1	0.0	85	15
29544	5NENEM7ES7WN	AECI	334.0	3.0	0.0	299.0	3.0	0.0	1	0.0	85	15

29545	DYWRVHLCKOLW	MISO	1426.0	28.52	0.0	1313.0	26.26	0.0	1	0.0	85	15
29548	TFGXPAIAETON	MISO	1426.0	28.52	0.0	1313.0	26.26	0.0	1	0.0	85	15
29549	5TI5PO8SA8DR	TVA	399.0	3.0	0.0	299.0	3.0	0.0	1	0.0	85	15
29558	17S17G17S17P	MISO	318.0	6.36	0.0	253.0	5.06	0.0	1	0.0	85	15
29559	17S17L17S17P	MISO	247.0	4.94	0.0	222.0	4.44	0.0	1	0.0	85	15
29569	17H17B05DWIL	MISO	1772.0	35.44	0.0	1591.0	31.82	0.0	1	0.0	85	15
29570	08C08C08S7KA	MISO	1798.0	27.48	0.0	1374.0	27.48	0.0	1	0.0	85	15
29573	5NENEM8SA8DR	TVA	334.0	10.02	0.0	249.0	7.47	0.0	1	0.0	85	15
29579	6REMORBIGBRO	MISO	179.0	3.58	0.0	141.6	2.832	0.0	1	0.0	85	15
29582	DOUBNEGRIBEA	MISO	335.0	6.7	0.0	335.0	6.7	0.0	1	0.0	85	15
29583	ANIANIHDWGU	MISO	112.0	2.24	0.0	112.0	2.24	0.0	1	0.0	85	15
29592	5FA5HI7OV5OV	TVA	316.0	3.0	0.0	193.0	3.0	0.0	1	0.0	85	15
29594	17B17PWIL05D	MISO	399.0	7.98	0.0	320.0	6.4	0.0	1	0.0	85	15
29599	WEBWRIGRIBEA	MISO	263.0	5.26	0.0	224.0	5.26	0.0	1	0.0	85	15
29614	5ES5RI7KE7LU	MISO	277.0	5.54	0.0	227.0	4.54	0.0	1	0.0	85	15
29615	SIK5MI7KE7LU	MISO	335.0	6.7	0.0	333.0	6.66	0.0	1	0.0	85	15
29617	4KEKEWNORKEW	PJM	261.0	13.0	0.0	223.0	11.0	0.0	1	0.0	100	30
29622	WNTNOR5MACRE	MISO	194.0	3.88	0.0	146.0	2.92	0.0	1	0.0	85	15
29625	POW4TO4BO4EK	PJM	298.0	14.9	0.0	268.0	13.4	0.0	1	0.0	85	15
29626	REMRAUHELSE	MISO	1222.0	24.44	0.0	864.0	17.28	0.0	1	0.0	85	15
29639	NELLEEELENEL	PJM	1710.0	86.0	0.0	1479.0	74.0	0.0	1	0.0	100	30
29652	MRSGRALYOGRE	SWPP	172.0	0.0	0.0	106.0	0.0	0.0	1	0.0	85	15
29653	BLAGRAWATAPP	SWPP	525.0	0.0	0.0	409.0	0.0	0.0	1	0.0	85	15
29654	4MA4MA7CL7LE	MISO	460.0	8.7	0.0	371.0	7.42	0.0	1	0.0	85	15
29670	WHIBROWHIWAT	SWPP	249.0	0.0	0.0	185.0	0.0	0.0	1	0.0	85	15
29671	4MA4MA7LE7GO	MISO	460.0	9.2	0.0	371.0	7.42	0.0	1	0.0	85	15
29672	EASEASEASST	SWPP	320.0	0.0	0.0	242.0	0.0	0.0	1	0.0	85	15
29673	17B17HWIL05D	MISO	1772.0	35.44	0.0	1591.0	31.82	0.0	1	0.0	85	15
29674	KIN7AU7PAKIN	MISO	1627.0	32.54	0.0	1319.0	26.38	0.0	1	0.0	85	15
29682	NEWDENHILHIL	MISO	232.0	4.64	0.0	186.0	3.72	0.0	1	0.0	85	15
29686	HAYADAADAHIP	MISO	286.0	5.72	0.0	245.0	4.9	0.0	1	0.0	85	15
29690	05N17B17B05B	MISO	200.0	4.0	0.0	167.0	3.34	0.0	1	0.0	85	15
29691	05N17M17S05D	MISO	200.0	4.0	0.0	167.0	3.34	0.0	1	0.0	85	15
29694	08L08L08N08W	MISO	223.0	4.46	0.0	161.0	3.22	0.0	1	0.0	85	15
29697	5FR5ME8FR8CO	TVA	254.0	7.6	0.0	223.0	6.69	0.0	1	0.0	85	15

29702	19M02L02L19M	MISO	1403.0	28.06	0.0	953.0	19.06	0.0	1	0.0	85	15
29704	MOPIMAJLEMMU	MISO	1403.0	28.06	0.0	953.0	19.06	0.0	1	0.0	85	15
29706	05N17B05DWIL	MISO	200.0	4.0	0.0	167.0	3.34	0.0	1	0.0	85	15
29707	ERIMRSLYOGRE	MISO	192.0	3.84	0.0	142.0	2.84	0.0	1	0.0	85	15
29708	XXYRRKSFHLWC	MISO	1403.0	28.06	0.0	953.0	19.06	0.0	1	0.0	85	15
29715	8SA8DR8WM8BH	MISO	2598.0	51.96	0.0	2598.0	51.96	0.0	1	0.0	85	15
29718	19M19L19M02L	MISO	2042.0	36.28	0.0	1814.0	26.0	0.0	1	0.0	85	15
29722	MOPIMONLULU	MISO	1814.0	36.28	0.0	1300.0	26.0	0.0	1	0.0	85	15
29725	7LA7GR7WI1WI	MISO	1714.0	34.28	0.0	1432.0	28.64	0.0	1	0.0	85	15
29728	WARBISNAPWIS	SWPP	499.0	0.0	0.0	331.0	0.0	0.0	1	0.0	85	15
29730	PLELEEGREGRE	SWPP	126.0	0.0	0.0	61.0	0.0	0.0	1	0.0	85	15
29736	BISEEBMANMAN	SWPP	192.0	0.0	0.0	144.0	0.0	0.0	1	0.0	85	15
29737	WATWATWHISPL	SWPP	478.0	0.0	0.0	478.0	0.0	0.0	1	0.0	85	15
29752	5IS5MO8IS8PO	MISO	310.0	6.2	0.0	310.0	6.2	0.0	1	0.0	85	15
29786	SIOPAHSPLSIO	SWPP	460.0	0.0	0.0	343.0	0.0	0.0	1	0.0	85	15
29791	17D17M17D17M	PJM	247.0	12.0	0.0	222.0	11.0	0.0	1	0.0	85	15
29793	DUNACR17D17M	PJM	247.0	12.0	0.0	222.0	11.0	0.0	1	0.0	85	15
29796	BEUHALANTCHA	SWPP	119.0	0.0	0.0	119.0	0.0	0.0	1	0.0	85	15
29804	TEMPORARY635	SWPP	130.0	0.0	0.0	109.0	0.0	0.0	1	0.0	85	15
29815	SHSEGEDRISAN	TVA	254.0	5.08	0.0	223.0	4.46	0.0	1	0.0	85	15
29817	SHANEGDRISAN	TVA	188.0	5.64	0.0	140.0	4.2	0.0	1	0.0	85	15
29820	OAKSEGEDRISAN	TVA	223.0	6.69	0.0	223.0	6.69	0.0	1	0.0	85	15
29827	EMEFLOQUIBLO	MISO	351.0	7.02	0.0	272.0	5.44	0.0	1	0.0	85	15
29837	BIGBLADEUAST	MISO	775.2	15.504	0.0	591.1	11.822	0.0	1	0.0	85	15
29850	TEMPORARY206	SWPP	478.0	0.0	0.0	478.0	0.0	0.0	1	0.0	85	15
29856	5FR5SE8DR8SA	TVA	279.0	8.37	0.0	253.0	7.59	0.0	1	0.0	85	15
29868	4RU4COMCLPON	MISO	227.0	4.54	0.0	189.0	3.78	0.0	1	0.0	85	15
29882	SUBUTISUBSUB	MISO	433.0	8.66	0.0	349.0	6.98	0.0	1	0.0	85	15
29887	STE6BA6MO6RI	MISO	462.0	9.24	0.0	462.0	9.24	0.0	1	0.0	85	15
29889	6CR6MO6CR3CL	MISO	325.0	6.5	0.0	325.0	6.5	0.0	1	0.0	85	15
29891	TRIIWAHCAYWIS	MISO	94.0	1.88	0.0	83.0	1.66	0.0	1	0.0	85	15
29894	TEMPORARY207	SWPP	172.0	0.0	0.0	106.0	0.0	0.0	1	0.0	85	15
29942	TEMPORARY371	SWPP	106.0	0.0	0.0	106.0	0.0	0.0	1	0.0	85	15
29971	TEMPORARY503	SWPP	125.0	0.0	0.0	125.0	0.0	0.0	1	0.0	85	15
29992	TEMPORARY766	SWPP	490.0	0.0	0.0	321.0	0.0	0.0	1	0.0	85	15

30014	TEMPORARY937	SWPP	490.0	0.0	0.0	444.0	0.0	0.0	1	0.0	85	15
30052	TEMPORARY866	SWPP	315.0	0.0	0.0	233.0	0.0	0.0	1	0.0	85	15
30086	5CL5PR8WE8CL	TVA	398.0	11.94	0.0	299.0	8.97	0.0	1	0.0	100	30
30105	08S08D08C08C	MISO	1695.0	24.34	0.0	1217.0	24.34	0.0	1	0.0	85	15
30109	4JO4W17JO7MA	MISO	478.0	9.56	0.0	478.0	9.56	0.0	1	0.0	85	15
30115	6BR3BRSTE6BA	MISO	319.0	6.38	0.0	319.0	6.38	0.0	1	0.0	85	15
30151	5ES5RI5COSIK	TVA	293.0	8.79	0.0	222.0	6.67	0.0	1	0.0	100	50
30167	RICCREBVRADA	MISO	85.0	1.7	0.0	74.0	1.48	0.0	1	0.0	85	15
30173	5ES5RI5KE5BU	TVA	293.0	8.79	0.0	222.0	6.67	0.0	1	0.0	100	50
30175	5ST5JI7ST7WN	TVA	298.0	8.6	0.0	242.0	7.02	0.0	1	0.0	100	50
30178	MAPMAPHANFOR	MISO	420.0	8.4	0.0	420.0	8.4	0.0	1	0.0	85	15
30189	3CO3LETURTUR	MISO	159.0	3.18	0.0	159.0	3.18	0.0	1	0.0	85	15
30191	COYCOYCENSQB	MISO	210.0	4.2	0.0	210.0	4.2	0.0	1	0.0	85	15
30193	COYBEUCENSQB	MISO	131.0	2.62	0.0	131.0	2.62	0.0	1	0.0	85	15
30199	4BR4PILEBPIR	SWPP	135.0	0.0	0.0	135.0	0.0	0.0	1	0.0	85	15
30203	WARBISBUFJAM	SWPP	499.0	0.0	0.0	331.0	0.0	0.0	1	0.0	85	15
30208	ANTANIDENEXI	MISO	135.0	2.7	0.0	135.0	2.7	0.0	1	0.0	85	15
30216	ESTBISWARMAN	SWPP	192.0	0.0	0.0	144.0	0.0	0.0	1	0.0	85	15
30238	MORMORGRAWMU	SWPP	125.0	0.0	0.0	125.0	0.0	0.0	1	0.0	85	15
30247	MORMORDAWLOJ	SWPP	125.0	0.0	0.0	125.0	0.0	0.0	1	0.0	85	15
30297	PERHOOWAHFRO	MISO	132.0	2.64	0.0	132.0	2.64	0.0	1	0.0	85	15
30317	TRITRITRITRI	MISO	118.0	2.36	0.0	118.0	2.36	0.0	1	0.0	85	15
30320	HUXBONGRIBEA	MISO	307.0	6.14	0.0	291.0	5.82	0.0	1	0.0	85	15
30327	3SA3RI6LACAR	MISO	115.0	2.3	0.0	115.0	2.3	0.0	1	0.0	85	15
30334	MARBRANORORI	SWPP	204.0	0.0	0.0	180.0	0.0	0.0	1	0.0	85	15
30348	CREMACADABRO	SWPP	167.0	0.0	0.0	167.0	0.0	0.0	1	0.0	0	0
30350	POCDEWQUASUB	MISO	251.0	5.02	0.0	219.0	4.38	0.0	1	0.0	85	15
30355	BRAMARATCCOO	SWPP	204.0	0.0	0.0	180.0	0.0	0.0	1	0.0	0	0
30363	GREQUIMAYPLS	MISO	223.0	4.46	0.0	223.0	4.46	0.0	1	0.0	85	15
30365	QUIHEBKOWMP	MISO	148.0	2.96	0.0	148.0	2.96	0.0	1	0.0	85	15
30377	HAZDUNHAZHCK	MISO	419.0	8.38	0.0	327.0	6.54	0.0	1	0.0	85	15
30381	S71S88S93OAK	MISO	369.0	7.38	0.0	314.0	6.28	0.0	1	0.0	85	15
30383	WILWILCOLPLA	PJM	1379.0	68.95	0.0	1379.0	68.95	0.0	1	0.0	100	30
30389	5OV5CA7BU7MC	MISO	335.0	11.9	0.0	308.0	11.9	0.0	1	0.0	85	15
30410	3W15W28W38BH	MISO	450.0	9.0	0.0	450.0	9.0	0.0	1	0.0	85	15

30424	CREMACMARBRA	SWPP	167.0	0.0	0.0	167.0	0.0	0.0	1	0.0	85	15
30429	SOM5HABEAEUR	MISO	156.0	3.12	0.0	156.0	3.12	0.0	1	0.0	85	15
30433	WNTNORBRAMAR	MISO	194.0	3.88	0.0	146.0	2.92	0.0	1	0.0	85	15
30436	4DE4EM7LE7GO	MISO	361.0	7.22	0.0	283.0	5.66	0.0	1	0.0	85	15
30438	ADABROCOO7FA	MISO	200.0	4.0	0.0	200.0	4.0	0.0	1	0.0	85	15
30465	DOUBNEJASLAU	MISO	335.0	6.7	0.0	335.0	6.7	0.0	1	0.0	85	15
30483	ANIANTBNEDOU	MISO	135.0	2.7	0.0	135.0	2.7	0.0	1	0.0	85	15
30497	4MC4WW4MC4NO	MISO	236.0	4.72	0.0	202.0	4.04	0.0	1	0.0	85	15
30502	DAWLEWANTLEL	SWPP	130.0	0.0	0.0	107.0	0.0	0.0	1	0.0	85	15
30509	DMORISBONMON	MISO	389.0	7.78	0.0	332.0	6.64	0.0	1	0.0	0	0
30519	LKBIMPYEOWK	SWPP	130.0	0.0	0.0	107.0	0.0	0.0	1	0.0	85	15
30530	ADACRE5GE5FA	SWPP	154.0	0.0	0.0	154.0	0.0	0.0	1	0.0	85	15
30547	PLELEECENCNT	SWPP	143.0	0.0	0.0	94.0	0.0	0.0	1	0.0	85	15
30560	FARSHEPILMAP	MISO	461.0	9.22	0.0	342.0	6.84	0.0	1	0.0	85	15
30576	MARBRAMOOCOD	SWPP	204.0	0.0	0.0	180.0	0.0	0.0	1	0.0	85	15
30582	WALBLAFRAWAL	SWPP	58.0	0.0	0.0	58.0	0.0	0.0	1	0.0	85	15
30585	BUL5MIBUL5MI	MISO	162.0	3.24	0.0	162.0	3.24	0.0	1	0.0	85	15
30595	QUAMECNELESS	PJM	1406.0	70.0	0.0	1180.0	59.0	0.0	1	0.0	100	30
30612	MARBRAKETSIB	SWPP	204.0	0.0	0.0	180.0	0.0	0.0	1	0.0	85	15
30618	5CA5AP7MO7BU	MISO	290.0	5.8	0.0	242.0	4.84	0.0	1	0.0	85	15
30635	8WI5WI8WI8SE	TVA	1394.0	41.82	0.0	1218.0	36.54	0.0	1	0.0	100	30
30639	PIRPIRPIRDIA	SWPP	802.0	0.0	0.0	706.0	0.0	0.0	1	0.0	85	15
30644	IUOKJYIUUBCI	PJM	1793.0	89.65	0.0	1793.0	89.65	0.0	1	0.0	100	30
30648	4TU4HI7AS7CM	MISO	236.0	4.72	0.0	205.0	4.1	0.0	1	0.0	85	15
30650	ADACREBRAMAR	SWPP	167.0	0.0	0.0	154.0	0.0	0.0	1	0.0	85	15
30658	05C05OWIL05D	PJM	1675.0	84.0	0.0	1409.0	70.0	0.0	1	0.0	100	30
30664	18M02A02L19M	PJM	1793.0	90.0	0.0	1793.0	90.0	0.0	1	0.0	100	30
30666	05C05O05DWIL	PJM	1675.0	84.0	0.0	1409.0	70.0	0.0	1	0.0	100	30
30683	BISE.BWARBIS	SWPP	192.0	0.0	0.0	144.0	0.0	0.0	1	0.0	85	15
30685	08T08T08T08G	PJM	485.0	24.0	0.0	464.0	23.0	0.0	1	0.0	100	30
30689	XSODYTBGXFWW	MISO	676.0	13.52	0.0	634.0	12.68	0.0	1	0.0	85	15
30693	4GR4MTPIRLEB	MISO	206.0	4.12	0.0	206.0	4.12	0.0	1	0.0	85	15
30701	COOS12COOMOD	SWPP	295.0	0.0	0.0	295.0	0.0	0.0	1	0.0	85	15
30755	08S08D05J05R	MISO	1217.0	24.34	0.0	1217.0	24.34	0.0	1	0.0	85	15
30757	08C08N05J05R	MISO	1374.0	27.48	0.0	1374.0	27.48	0.0	1	0.0	85	15

30779	6PI6CA8LA8MC	MISO	462.0	9.24	0.0	462.0	9.24	0.0	1	0.0	85	15
30792	WATSUMCROGRD	SWPP	130.0	0.0	0.0	130.0	0.0	0.0	1	0.0	85	15
30801	4N24DE7LE7GO	MISO	287.0	5.74	0.0	287.0	5.74	0.0	1	0.0	85	15
30803	PRAPRAPRAPRA	MISO	420.0	8.4	0.0	386.0	7.73	0.0	1	0.0	85	15
30812	ROCROCSUBSUB	MISO	572.0	11.44	0.0	516.0	10.32	0.0	1	0.0	85	15
30821	9FR8MC8DA6DA	MISO	1740.0	34.8	0.0	1740.0	34.8	0.0	1	0.0	85	15
30825	3BA3BA6BA6BA	MISO	379.0	7.58	0.0	379.0	7.58	0.0	1	0.0	85	15
30852	DRADRADRAGR	SWPP	92.0	0.0	0.0	92.0	0.0	0.0	1	0.0	85	15
30872	SPLSPLSPLWHI	MISO	398.0	7.96	0.0	398.0	7.96	0.0	1	0.0	85	15
30874	MITADASHEHEL	MISO	956.0	19.12	0.0	956.0	19.12	0.0	1	0.0	85	15
30887	GREVOLMAGSOU	SWPP	120.0	0.0	0.0	120.0	0.0	0.0	1	0.0	85	15
30889	MAGSOURUGRUG	MISO	181.0	3.614	0.0	146.0	2.916	0.0	1	0.0	85	15
30908	MARBRA5GE5NO	SWPP	204.0	0.0	0.0	180.0	0.0	0.0	1	0.0	85	15
30911	BRACLABRACLA	MISO	257.0	5.14	0.0	223.0	4.46	0.0	1	0.0	85	15
30923	ELKNLGBYRWAY	MISO	265.0	5.3	0.0	266.0	5.32	0.0	1	0.0	85	15
30925	DOUBNEM-TTIM	MISO	335.0	6.7	0.0	335.0	6.7	0.0	1	0.0	85	15
30933	GREMUDFORCHI	MISO	516.0	10.32	0.0	385.0	7.7	0.0	1	0.0	85	15
30940	YDNKYMCIVDNC	SWPP	219.0	0.0	0.0	219.0	0.0	0.0	1	0.0	85	15
30952	5W.8W.8DR8SA	MISO	450.0	9.0	0.0	450.0	9.0	0.0	1	0.0	85	15
30954	4AU4TA7PA7AU	MISO	287.0	5.74	0.0	264.0	5.28	0.0	1	0.0	85	15
30988	HURHURGROGRD	SWPP	120.0	0.0	0.0	120.0	0.0	0.0	1	0.0	85	15
31000	COOS127FAST	SWPP	295.0	0.0	0.0	295.0	0.0	0.0	1	0.0	85	15
31005	9PO5PO8PO8DE	MISO	800.0	16.0	0.0	800.0	16.0	0.0	1	0.0	85	15
31024	MORMORGRAMOR	SWPP	125.0	0.0	0.0	125.0	0.0	0.0	1	0.0	85	15
31026	4BR4PI8HALAY	SWPP	135.0	0.0	0.0	135.0	0.0	0.0	1	0.0	85	15
31051	BLAMIDBLADR	MISO	319.0	6.38	0.0	272.0	5.44	0.0	1	0.0	85	15
31073	5AU5CY7MA7SP	AECI	308.0	9.24	0.0	224.0	6.72	0.0	1	0.0	85	15
31078	EUR5OS5GREUR	MISO	220.0	4.4	0.0	220.0	4.4	0.0	1	0.0	85	15
31084	6NE8NE8RH8NE	MISO	1195.0	23.9	0.0	1195.0	23.9	0.0	1	0.0	85	15
31088	17N05A05R05R	MISO	207.0	4.14	0.0	183.0	3.66	0.0	1	0.0	85	15
31097	8BR8LI8BR8MA	TVA	2598.0	77.94	0.0	2598.0	77.94	0.0	1	0.0	85	15
31112	CARCARMONMON	MISO	79.0	1.58	0.0	75.0	1.5	0.0	1	0.0	85	15
31120	HAYMURBARADA	MISO	420.0	8.4	0.0	331.0	6.62	0.0	1	0.0	85	15
31146	WILT94COLWIL	PJM	1379.0	69.0	0.0	1379.0	69.0	0.0	1	0.0	100	30
31163	GROGROTWIELM	SWPP	438.0	0.0	0.0	407.0	0.0	0.0	1	0.0	85	15

31166	HAMHAMACKBUT	SWPP	92.0	0.0	0.0	92.0	0.0	0.0	1	0.0	85	15
31173	BREBREFLOFLO	SWPP	92.0	0.0	0.0	92.0	0.0	0.0	1	0.0	85	15
31188	HANWAHFARSHE	MISO	478.0	9.56	0.0	478.0	9.56	0.0	1	0.0	85	15
31192	17M17R17S17C	MISO	197.0	3.94	0.0	158.0	3.16	0.0	1	0.0	85	15
31211	HANWAHALEGRE	MISO	525.0	10.5	0.0	525.0	10.5	0.0	1	0.0	85	15
31220	ADAADAROCCHER	MISO	335.0	6.7	0.0	335.0	6.7	0.0	1	0.0	85	15
31255	5BR5PA5PA5PA	MISO	546.0	10.92	0.0	480.0	9.6	0.0	1	0.0	85	15
31258	5HO5AL8FR8CO	TVA	223.0	6.69	0.0	223.0	6.69	0.0	1	0.0	85	15
31267	OZAOMACLEBUL	MISO	162.0	3.24	0.0	162.0	3.24	0.0	1	0.0	85	15
31282	5JO5JG8SH7SH	MISO	335.0	6.7	0.0	335.0	6.7	0.0	1	0.0	85	15
31309	CREMACMADOR	SWPP	167.0	0.0	0.0	167.0	0.0	0.0	1	0.0	85	15
31316	17D17M17H17B	MISO	247.0	4.94	0.0	222.0	4.44	0.0	1	0.0	85	15
31337	4FT4HU7BE7SI	MISO	287.0	5.74	0.0	287.0	5.74	0.0	1	0.0	85	15
31339	ARNFAIHAZHCK	MISO	378.0	7.56	0.0	330.0	6.6	0.0	1	0.0	85	15
31353	WAHTRIMILMLF	MISO	95.0	1.9	0.0	83.0	1.66	0.0	1	0.0	85	15
31355	RANPELDSLAK	SWPP	71.0	0.0	0.0	71.0	0.0	0.0	1	0.0	85	15
31360	5MO5WA7BE7EN	MISO	335.0	6.7	0.0	297.0	5.94	0.0	1	0.0	85	15
31401	3DA3OL8MA8AN	MISO	106.0	2.12	0.0	106.0	2.12	0.0	1	0.0	85	15
31404	SPLSPLSIOSIO	MISO	398.0	7.968	0.0	386.0	7.728	0.0	1	0.0	85	15
31406	DKSTRIWEBIRV	MISO	304.0	6.08	0.0	266.0	5.32	0.0	1	0.0	85	15
31411	MARBRAST9COO	SWPP	204.0	0.0	0.0	180.0	0.0	0.0	1	0.0	85	15
31433	5MA5HA8BH8W2	MISO	223.0	4.46	0.0	223.0	4.46	0.0	1	0.0	85	15
31435	7MO7EN7CA7BL	MISO	1396.0	27.92	0.0	1126.0	22.52	0.0	1	0.0	85	15
31443	N EDICBOWHET	MISO	120.0	2.4	0.0	115.0	2.3	0.0	1	0.0	85	15
31445	4MA4MA7RI7GO	MISO	460.0	9.2	0.0	371.0	7.42	0.0	1	0.0	85	15
31451	7SI7RO7JO7TY	MISO	1195.0	23.9	0.0	1195.0	23.9	0.0	1	0.0	85	15
31453	4MAQUI4TO4CI	MISO	329.0	6.58	0.0	305.0	6.1	0.0	1	0.0	85	15
31467	7OR4OR7RI7GO	MISO	478.0	9.56	0.0	478.0	9.56	0.0	1	0.0	85	15
31474	S HBOOARBRCC	MISO	1195.0	23.9	0.0	1010.0	20.2	0.0	1	0.0	85	15
31486	ESSGARSUBMEC	PJM	200.0	10.0	0.0	178.0	0.0	0.0	1	0.0	100	30
31492	3PAFUL8MTLAY	MISO	159.0	3.18	0.0	157.0	3.14	0.0	1	0.0	85	15
31502	3CO3LE8MTLAY	MISO	159.0	3.18	0.0	159.0	3.18	0.0	1	0.0	85	15
31526	3CU8MO8JV8DA	TVA	3181.0	95.43	0.0	2598.0	77.94	0.0	1	0.0	85	15
31529	17F17LWL05D	MISO	247.0	4.94	0.0	222.0	4.44	0.0	1	0.0	85	15
31531	5W68W68SA8DR	MISO	450.0	9.0	0.0	450.0	9.0	0.0	1	0.0	85	15

31536	7BU05E08S7KA	PJM	1043.0	52.0	0.0	1043.0	52.0	0.0	1	0.0	100	30
31540	7BU05E05D05G	PJM	1043.0	52.0	0.0	1043.0	52.0	0.0	1	0.0	100	30
31548	7BU05E05DWIL	PJM	1043.0	52.0	0.0	1043.0	52.0	0.0	1	0.0	100	30
31550	7ZOSFUCABEAS	MISO	460.0	9.2	0.0	371.0	7.42	0.0	1	0.0	85	15
31560	17D17M05D05G	PJM	247.0	12.0	0.0	222.0	11.0	0.0	1	0.0	85	15
31563	7BU05E7RU7KA	PJM	1043.0	52.0	0.0	1043.0	52.0	0.0	1	0.0	100	30
31577	7FERROLFERAME	SWPP	68.0	0.0	0.0	52.0	0.0	0.0	1	0.0	85	15
31583	4BU04E05DWIL	PJM	1043.0	52.0	0.0	1043.0	52.0	0.0	1	0.0	100	30
31606	5PA5BR05B05B	TVA	508.0	15.24	0.0	446.0	13.38	0.0	1	0.0	85	15
31608	5PA5BR8MA8CU	TVA	508.0	15.24	0.0	446.0	13.38	0.0	1	0.0	85	15
31626	7FORFORBRKAST	SWPP	169.0	0.0	0.0	125.0	0.0	0.0	1	0.0	85	15
31628	CLA6MO8MTLAY	MISO	414.0	8.28	0.0	414.0	8.28	0.0	1	0.0	85	15
31630	3RI3SA8MTLAY	MISO	115.0	2.3	0.0	115.0	2.3	0.0	1	0.0	85	15
31632	5DE5MA8DR8SA	MISO	246.0	4.92	0.0	246.0	4.92	0.0	1	0.0	85	15
31643	3RI4RI8MTLAY	MISO	83.0	1.66	0.0	83.0	1.66	0.0	1	0.0	85	15
31645	3RI4RICAR6LA	MISO	83.0	1.66	0.0	83.0	1.66	0.0	1	0.0	85	15
31671	7HAWHAWHAWHAW	SWPP	1195.0	0.0	0.0	1195.0	0.0	0.0	1	0.0	85	15
31691	17S05BWIL05D	PJM	437.0	22.0	0.0	396.0	20.0	0.0	1	0.0	85	15
31693	17B05NWIL05D	MISO	206.0	4.12	0.0	167.0	3.34	0.0	1	0.0	85	15
31695	LAY6LA8MC8CO	SWPP	750.0	0.0	0.0	750.0	0.0	0.0	1	0.0	85	15
31700	4JO4W77W77SH	MISO	478.0	9.56	0.0	478.0	9.56	0.0	1	0.0	85	15
31704	5ULNEWNUNPH	SWPP	178.0	0.0	0.0	134.0	0.0	0.0	1	0.0	85	15
31716	5PA5GI8W.8BH	MISO	148.0	2.96	0.0	148.0	2.96	0.0	1	0.0	85	15
31732	5SWEPASWALWR	SWPP	59.0	0.0	0.0	45.0	0.0	0.0	1	0.0	85	15
31785	5AD5THDIAHIL	MISO	398.0	7.96	0.0	333.0	6.66	0.0	1	0.0	85	15
31787	CRE4COCREKEW	MISO	229.0	4.58	0.0	179.0	3.58	0.0	1	0.0	85	15
60801	MPDCWMPDCE	MISO	550.0	0.0	0.0	550.0	0.0	0.0	1	1.0	70	30
70030	NEWCASXENWMV	MISO	1319.0	108.78	0.0	1319.0	108.58	0.0	1	0.76	50	50
70031	NEWEFFNEWCAS	MISO	382.0	28.74	0.0	382.0	28.74	0.0	1	0.73	50	50
70041	SHAJOP__PTDF	MISO	1059.0	75.18	115.4	1059.0	76.28	138.4	1	0.72	50	50
70103	MOBOVETHIMCC	MISO	242.0	10.84	0.0	242.0	10.94	0.0	1	0.56	50	50
70172	526TILWMVEWF	MISO	337.0	6.84	0.0	337.0	6.84	0.0	1	0.01	50	50
75072	JOPIXFMSHAXFM	MISO	600.0	41.0	20.2	600.0	41.5	33.5	1	0.71	50	50
75097	SPCPMT__PTDF	MISO	908.0	105.76	0.0	908.0	105.66	0.0	1	0.83	50	50
90438	8LOBLOMERDRE	MISO	633.0	19.06	0.0	633.0	19.06	0.0	1	0.34	50	50

90439	ABBXF1ABBREI	MISO	470.0	119.5	0.0	470.0	128.5	0.0	1	0.92	50	50
90440	BLOBLOMERDRJ	MISO	224.0	9.98	0.0	224.0	9.98	0.0	1	0.55	50	50
90442	JOPXF2JOPJOP	MISO	455.0	9.1	0.0	455.0	9.1	0.0	1	0.0	50	50
90443	MARJOPJOPJON	MISO	252.0	20.84	41.9	252.0	20.84	41.6	1	0.76	50	50
90444	OCCELMOCCOCC	MISO	300.0	48.9	0.0	300.0	49.0	0.0	1	0.88	50	50
90445	WABALMALEKIN	MISO	291.0	5.82	7.6	291.0	5.82	7.7	1	0.0	50	50
90446	HESMANCOLHES	MISO	131.0	13.92	0.0	131.0	14.82	0.0	1	0.82	50	50
90447	OTTOTTALWBEA	MISO	478.0	207.56	0.0	478.0	207.76	0.0	1	0.95	50	50
90449	OTTWAP0TTWAP	MISO	293.0	12.46	11.5	293.0	12.46	11.6	1	0.53	50	50
90450	OTTWAPOTTWAA	MISO	293.0	12.46	0.0	293.0	12.46	0.0	1	0.53	50	50
90451	LAKDKSMECRAU	MISO	184.0	15.68	11.1	184.0	15.68	10.9	1	0.77	50	50
90452	WABALMPRINRO	MISO	291.0	5.82	6.3	291.0	5.82	6.4	1	0.0	50	50
90453	CBLINDOPPCOU	MISO	444.0	34.48	0.0	371.0	32.92	0.0	1	0.76	50	50
90454	HEOBDFWORBLO	MISO	133.0	7.86	0.0	133.0	7.86	0.0	1	0.66	50	50
90455	DRSUGCAYCAY	MISO	1217.0	210.04	0.0	1217.0	209.94	0.0	1	0.88	50	50
90456	ARGTOMARGCRE	MISO	1158.0	141.56	0.0	1158.0	141.26	0.0	1	0.84	50	50
90457	ARGTOMARGCEE	MISO	1158.0	141.56	0.0	1158.0	141.26	0.0	1	0.84	50	50
90459	KENLAKZIOSTA	MISO	335.0	10.6	0.0	335.0	10.6	0.0	1	0.37	50	50
90460	SHEMAGMCNADO	MISO	2165.0	332.6	0.0	2165.0	332.6	0.0	1	0.87	50	50
90462	SHEMAGBAXPEV	MISO	2165.0	332.6	0.0	2165.0	332.6	0.0	1	0.87	50	50
90463	SHEMAGWEBWES	MISO	2165.0	332.6	0.0	2165.0	332.6	0.0	1	0.87	50	50
90464	SHEMAGSTNDOR	MISO	2165.0	332.6	0.0	2165.0	332.6	0.0	1	0.87	50	50
90465	PATLEWSAROOD	MISO	159.0	17.38	0.0	159.0	17.38	0.0	1	0.82	50	50
90468	RUSEVLARKSMI	MISO	396.0	13.22	4.4	396.0	13.22	4.7	1	0.4	50	50
90469	BATCOMMOOBAT	MISO	768.0	18.76	0.0	768.0	18.76	0.0	1	0.2	70	30
90470	NEWCASNEOHO	MISO	1319.0	697.78	36.1	1319.0	697.78	53.6	1	0.74	70	30
94000	TEMPORARYFGL	MISO	200.0	20.0	0.0	200.0	20.0	4.4	1	0.0	50	50
94039	TEMPORARY195	MISO	180.0	9.5	0.0	180.0	9.5	0.0	1	0.59	50	50
94074	TEMPORAR1261	MISO	287.0	15.24	0.0	287.0	15.24	0.0	1	0.64	50	50
94086	TEMPORAR2043	MISO	366.0	10.82	12.2	366.0	10.82	11.8	1	0.63	50	50
94092	TEMPORAR2312	MISO	314.0	63.18	0.0	314.0	63.18	0.0	1	0.91	50	50
94105	TEMPORAR2836	MISO	184.0	12.88	0.0	184.0	12.88	0.0	1	0.88	50	50
934601	SOCOFG1	MISO	1500.0	0.0	0.0	1500.0	0.0	0.0	1	0.0	50	50
934603	SOCOFG3	MISO	797.0	0.0	0.0	797.0	0.0	0.0	1	0.0	50	50
934604	SOCOFG4	MISO	2119.0	0.0	0.0	2119.0	0.0	0.0	1	0.0	50	50

934608	SOCOFG8	MISO	2598.0	0.0	0.0	2598.0	0.0	0.0	1	0.0	50	50
934609	SOCOFG9	MISO	797.0	0.0	0.0	797.0	0.0	0.0	1	0.0	50	50
934619	SOCOFG19	MISO	216.0	0.0	0.0	216.0	0.0	0.0	1	0.0	50	50
934622	SOCOFG22	MISO	797.0	0.0	0.0	797.0	0.0	0.0	1	0.0	50	50
934624	SOCOFG24	MISO	2701.0	0.0	0.0	2701.0	0.0	0.0	1	0.0	50	50
934626	SOCOFG26	MISO	2598.0	0.0	0.0	2598.0	0.0	0.0	1	0.0	50	50
934627	SOCOFG27	MISO	2439.0	0.0	0.0	2439.0	0.0	0.0	1	0.0	50	50
934628	SOCOFG28	MISO	2439.0	0.0	0.0	2439.0	0.0	0.0	1	0.0	50	50
934630	SOCOFG30	MISO	2439.0	0.0	0.0	2439.0	0.0	0.0	1	0.0	50	50
934631	SOCOFG31	MISO	2439.0	0.0	0.0	2439.0	0.0	0.0	1	0.0	50	50
934632	SOCOFG32	MISO	2016.0	0.0	0.0	2016.0	0.0	0.0	1	0.0	50	50
934633	SOCOFG33	MISO	2598.0	0.0	0.0	2598.0	0.0	0.0	1	0.0	50	50
934635	SOCOFG35	MISO	2701.0	0.0	0.0	2701.0	0.0	0.0	1	0.0	50	50
934636	SOCOFG36	MISO	2701.0	0.0	0.0	2701.0	0.0	0.0	1	0.0	50	50
934637	SOCOFG37	MISO	2119.0	0.0	0.0	2119.0	0.0	0.0	1	0.0	50	50
934638	SOCOFG38	MISO	2598.0	0.0	0.0	2598.0	0.0	0.0	1	0.0	50	50
934639	SOCOFG39	MISO	797.0	0.0	0.0	797.0	0.0	0.0	1	0.0	50	50
934640	SOCOFG40	MISO	797.0	0.0	0.0	797.0	0.0	0.0	1	0.0	50	50
934641	SOCOFG41	MISO	1500.0	0.0	0.0	1500.0	0.0	0.0	1	0.0	50	50
934643	SOCOFG43	MISO	1500.0	0.0	0.0	1500.0	0.0	0.0	1	0.0	50	50
934644	SOCOFG44	MISO	2119.0	0.0	0.0	2119.0	0.0	0.0	1	0.0	50	50
934654	SOCOFG54	MISO	216.0	0.0	0.0	216.0	0.0	0.0	1	0.0	50	50
934656	SOCOFG56	MISO	559.0	0.0	0.0	559.0	0.0	0.0	1	0.0	50	50
934657	SOCOFG57	MISO	602.0	0.0	0.0	602.0	0.0	0.0	1	0.0	50	50
934660	SOCOFG60	MISO	1134.0	0.0	0.0	1134.0	0.0	0.0	1	0.0	50	50
934661	SOCOFG61	MISO	1134.0	0.0	0.0	1134.0	0.0	0.0	1	0.0	50	50
934662	SOCOFG62	MISO	1134.0	0.0	0.0	1134.0	0.0	0.0	1	0.0	50	50
934665	SOCOFG65	MISO	2119.0	0.0	0.0	2119.0	0.0	0.0	1	0.0	50	50
934666	SOCOFG66	MISO	2598.0	0.0	0.0	2598.0	0.0	0.0	1	0.0	50	50
934669	SOCOFG69	MISO	797.0	0.0	0.0	797.0	0.0	0.0	1	0.0	50	50
934670	SOCOFG70	MISO	1500.0	0.0	0.0	1500.0	0.0	0.0	1	0.0	50	50
934672	SOCOFG72	MISO	1500.0	0.0	0.0	1500.0	0.0	0.0	1	0.0	50	50
934673	SOCOFG73	MISO	1500.0	0.0	0.0	1500.0	0.0	0.0	1	0.0	50	50
934674	SOCOFG74	MISO	1134.0	0.0	0.0	1134.0	0.0	0.0	1	0.0	50	50
934678	SOCOFG78	MISO	2701.0	0.0	0.0	2701.0	0.0	0.0	1	0.0	50	50

934680	SOCOFG80	MISO	216.0	0.0	0.0	216.0	0.0	0.0	1	0.0	50	50
934681	SOCOFG81	MISO	907.0	0.0	0.0	907.0	0.0	0.0	1	0.0	50	50
934682	SOCOFG82	MISO	797.0	0.0	0.0	797.0	0.0	0.0	1	0.0	50	50