

Nodal Exchange, LLC Rulebook Appendix C: Reporting Levels, Accountability Levels and Position Limits

Physical Commodity Code	Contract Name	Reporting Level	Spot Month Position Limit (lots)	Single Month Accountability Level (lots)	All Month Accountability Level (lots)	Aggregation Group*	CFTC Referenced Contract
AAA	ISONE..H.INTERNAL_HUB_month_on_dap	25	68347143	68347143	8200885716	2	0
AAB	ISONE..H.INTERNAL_HUB_month_off_dap	25	56955769	56955769	6834069228	1	0
AAO	ISONE..Z.CONNECTICUT_month_on_dap	25	10341253	10341253	1240815036	4	0
AAP	ISONE..Z.CONNECTICUT_month_off_dap	25	8001001	8001001	960012012	3	0
AAQ	ISONE..Z.MAINE_month_on_dap	25	386405	386405	46324860	6	0
AAR	ISONE..Z.MAINE_month_off_dap	25	316321	316321	37923852	5	0
AAS	ISONE..Z.NEMASSBOST_month_on_dap	25	838	838	10056	8	0
AAT	ISONE..Z.NEMASSBOST_month_off_dap	25	656	656	7872	7	0
AAU	ISONE..Z.NEWHAMPSHIRE_month_on_dap	25	532559	532559	63846708	10	0
AAV	ISONE..Z.NEWHAMPSHIRE_month_off_dap	25	410444	410444	49205328	9	0
AAW	ISONE..Z.RHODEISLAND_month_on_dap	25	346500	346500	41526000	12	0
AAX	ISONE..Z.RHODEISLAND_month_off_dap	25	268500	268500	60003216	11	0
AAZ	ISONE..Z.SEMASS_month_on_dap	25	492536	492536	59046432	14	0
AAZ	ISONE..Z.SEMASS_month_off_dap	25	382391	382391	45844692	13	0
ABA	ISONE..Z.VERMONT_month_on_dap	25	185157	185157	18842220	16	0
ABB	ISONE..Z.VERMONT_month_off_dap	25	150137	150137	18001644	15	0
ABC	ISONE..Z.WCMASS_month_on_dap	25	574619	574619	68887428	18	0
ABD	ISONE..Z.WCMASS_month_off_dap	25	447458	447458	53645496	17	0
ANY	MISO.PJMC_month_on_dap	25	1554569	1554569	186486828	286310	0
ANZ	MISO.PJMC_month_off_dap	25	1554569	1554569	186486828	290314	0
AOA	MISO.ALTE.ALTE_month_on_dap	25	499459	499459	59885508	283307	0
AOB	MISO.ALTE.ALTE_month_off_dap	25	412391	412391	49444692	287311	0
ATW	MISO.AMIL.BGS6_month_on_dap	25	1666	1666	19992	3144	0
ATX	MISO.AMIL.BGS6_month_off_dap	25	1375	1375	16500	3039	0
AUE	MISO.AMIL.AEM.RPGI_month_on_dap	25	16661435	16661435	1999217220	31	0
AUF	MISO.AMIL.AEM.RPGI_month_off_dap	25	13751221	13751221	1650014652	30	0
AUI	MISO.AMIL.AMILSES_month_on_dap	25	16661435	16661435	1999217220	3143	0
AUJ	MISO.AMIL.AMILSES_month_off_dap	25	13751221	13751221	1650014652	3038	0
AYU	MISO_RTO.AMMO.UE_month_on_dap	25	14431176	14431176	1731614112	3553	0
AYV	MISO_RTO.AMMO.UE_month_off_dap	25	11911001	11911001	1429212012	3450	0
BDY	MISO_RTO.CIN.PSI_month_on_dap	25	1211981	1211981	1453211772	5787	0
BDZ	MISO_RTO.CIN.PSI_month_off_dap	25	8351000	8351000	1002012000	5686	0
BFI	MISO.INDIANA.HUB_month_on_dap	25	20831024	20831024	2499623088	122160	0
BFJ	MISO.INDIANA.HUB_month_off_dap	25	16801731	16801731	2016020772	124159	0
BJS	MISO.CWLD.CWLD_month_on_dap	25	4743	4743	564516		0
BJT	MISO.CWLD.CWLD_month_off_dap	25	3937	3937	468444		0
BSW	MISO.GRE.HUC_month_on_dap	25	484468	484468	58085616	240294	0

BSX	MISO.GRE.HUC_month_off_dap	25	399398	399398	47884776	239293	0
BVC	MISO.ILLINOIS.HUB_month_on_dap	25	13082132	13082132	1569625584	116154	0
BVD	MISO.ILLINOIS.HUB_month_off_dap	25	11422047	11422047	1370424564	115153	0
BWA	MISO.KCPL_month_on_dap	25	192441	192441	23088492		0
BWB	MISO.KCPL_month_off_dap	25	192441	192441	23088492		0
BXC	MISO_RTO.MDU.MDU_month_on_dap	25	100112	100112	13441200	147187	0
BXD	MISO_RTO.MDU.MDU_month_off_dap	25	8395	8395	9961140	146186	0
BXW	MISO.MICHIGAN.HUB_month_on_dap	25	4905	4905	58860	157199	0
BXX	MISO.MICHIGAN.HUB_month_off_dap	25	4284	4284	51408	156198	0
BYA	MISO.MINN.HUB_month_on_dap	25	29102807	29102807	3492033684	164203	0
BYB	MISO.MINN.HUB_month_off_dap	25	25422695	25422695	3050432340	160202	0
BZY	MISO.AMIL.WPSE.OLIN_month_on_dap	25	16661435	16661435	1999217220	3147	0
BZZ	MISO.AMIL.WPSE.OLIN_month_off_dap	25	13751221	13751221	1650014652	3041	0
CE3	CER 2013+ Future	25	30000	30000	30000		0
CE6	CER 2016+ Future	25	4000	4000	4000		0
CER	CER Commitment Period 2 Future	25	50000	50000	50000		0
CEW	MISO.NSP.NCPLOAD_month_on_dap	25	1594607	1594607	191287284	177219	0
CEX	MISO.NSP.NCPLOAD_month_off_dap	25	1316516	1316516	157926192	176218	0
CFA	MISO.NSP.NSP_month_on_dap	25	15941508	15941508	1912818096	177	0
CFB	MISO.NSP.NSP_month_off_dap	25	13161284	13161284	1579215408	176	0
CHO	MISO.ONT_month_on_dap	25	470425	470425	56405100	285309	0
CHP	MISO.ONT_month_off_dap	25	470425	470425	56405100	289313	0
CJG	MISO.OTP.NSP_month_on_dap	25	223173	223173	26762076	179221	0
CJH	MISO.OTP.NSP_month_off_dap	25	184147	184147	17642308	178220	0
CJK	MISO.OTP.OTP_month_on_dap	25	223173	223173	26762076	179221	0
CJL	MISO.OTP.OTP_month_off_dap	25	184147	184147	17642308	178220	0
COE	MISO.WEC.PTBHGB2_month_on_dap	25	296310	296310	35523720	229283	0
COF	MISO.WEC.PTBHGB2_month_off_dap	25	296310	296310	35523720	228282	0
CQI	MISO.WPS.WPSM_month_on_dap	25	443387	443387	53164644	238292	0
CQJ	MISO.WPS.WPSM_month_off_dap	25	366329	366329	43923948	237291	0
CTE	NYISO.CAPITL_month_on_dap	25	516	516	6192	5481	0
CTF	NYISO.CAPITL_month_off_dap	25	513	513	6156	5080	0
CTQ	NYISO.CENTRL_month_on_dap	25	786921	786921	943211052	5585	0
CTR	NYISO.CENTRL_month_off_dap	25	589780	589780	93607068	5484	0
CUU	NYISO.DUNWOD_month_on_dap	25	2001100	2001100	132002400	90130	0
CUV	NYISO.DUNWOD_month_off_dap	25	1561100	1561100	132001872	89129	0
CWE	NYISO.GENESE_month_on_dap	25	324800	324800	96003888	100140	0
CFW	NYISO.GENESE_month_off_dap	25	255800	255800	30609600	99139	0
CXO	NYISO.HUD VL_month_on_dap	25	2968	2968	35616	114152	0
CXP	NYISO.HUD VL_month_off_dap	25	2968	2968	35616	113151	0
CYU	NYISO.LONGIL_month_on_dap	25	7281700	7281700	873620400	134174	0

CVV	NYISO.LONGIL_month_off_dap	25	5741700	<u>5741700</u>	688820400	<u>433173</u>	0
CZA	NYISO.MHK VL_month_on_dap	25	252900	<u>252900</u>	302410800	<u>152195</u>	0
CZB	NYISO.MHK VL_month_off_dap	25	200900	<u>200900</u>	108002400	<u>152194</u>	0
CZG	NYISO.MILLWD_month_on_dap	25	234483	<u>234483</u>	28085796	<u>159201</u>	0
CZH	NYISO.MILLWD_month_off_dap	25	188396	<u>188396</u>	22564752	<u>158200</u>	0
CZS	NYISO.N.Y.C._month_on_dap	25	1905	1905	22860	<u>169211</u>	0
CZT	NYISO.N.Y.C._month_off_dap	25	13661346	<u>13661346</u>	1639216152	<u>168210</u>	0
DBA	NYISO.NORTH_month_on_dap	25	714	714	8568	<u>173215</u>	0
DBB	NYISO.NORTH_month_off_dap	25	538	538	6456	<u>172214</u>	0
DEU	NYISO.WEST_month_on_dap	25	3810	3810	45720	<u>234285</u>	0
DEV	NYISO.WEST_month_off_dap	25	1051	1051	12612	<u>230284</u>	0
DIO	PJM.ELGIN EC3_month_on_dap	25	135	135	1620		0
DIP	PJM.ELGIN EC3_month_off_dap	25	135	135	1620		0
DLO	PJM.AECO_month_on_dap	25	351476	<u>351476</u>	42125712	<u>2224</u>	0
DLP	PJM.AECO_month_off_dap	25	292	292	3504	<u>2122</u>	0
DLQ	PJM.AEP_month_on_dap	25	43129000	<u>43129000</u>	5174410800	<u>2433</u>	0
DLR	PJM.AEP_month_off_dap	25	36469000	<u>36469000</u>	4375210800	<u>2328</u>	0
DLW	PJM.AEP-DAYTON HUB_month_on_dap	25	7031	7031	84372	<u>2636</u>	0
DLX	PJM.AEP-DAYTON HUB_month_off_dap	25	6535	6535	78420	<u>2535</u>	0
DMY	PJM.APS_month_on_dap	25	15041528	<u>15041528</u>	1804818336	<u>3959</u>	0
DMZ	PJM.APS_month_off_dap	25	13101260	<u>13101260</u>	1512015720	<u>3856</u>	0
DPQ	PJM.BGE_month_on_dap	25	10641143	<u>10641143</u>	1273213716	<u>4776</u>	0
DPR	PJM.BGE_month_off_dap	25	883897	<u>883897</u>	1059610764	<u>4675</u>	0
DVO	PJM.COMED_month_on_dap	25	34394146	<u>34394146</u>	4126849752	<u>5991</u>	0
DVP	PJM.COMED_month_off_dap	25	34072760	<u>34072760</u>	3312040884	<u>5889</u>	0
DYI	PJM.DAY_month_on_dap	25	7331100	<u>7331100</u>	879613200	<u>6599</u>	0
DYJ	PJM.DAY_month_off_dap	25	5841100	<u>5841100</u>	700813200	<u>6496</u>	0
DZS	PJM.DOM_month_on_dap	25	63002997	<u>63002997</u>	3596475600	<u>84120</u>	0
DZT	PJM.DOM_month_off_dap	25	63002498	<u>24986300</u>	2997675600	<u>83117</u>	0
DZU	PJM.DOMINION HUB_month_on_dap	25	1327813200	<u>1327813200</u>	159336158400	<u>86122</u>	0
DZV	PJM.DOMINION HUB_month_off_dap	25	1240012966	<u>1240012966</u>	148800155592	<u>85121</u>	0
EAC	PJM.DPL_month_on_dap	25	601643	<u>601643</u>	72127716	<u>88126</u>	0
EAD	PJM.DPL_month_off_dap	25	501513	<u>501513</u>	60126156	<u>87123</u>	0
EAS	PJM.EASTERN HUB_month_on_dap	25	10275	10275	123300	<u>94136</u>	0
EAT	PJM.EASTERN HUB_month_off_dap	25	93529551	<u>93529551</u>	112224114612	<u>93135</u>	0
EAU	PJM.EASTON_month_on_dap	25	97	<u>97</u>	10884	<u>88128</u>	0
EAV	PJM.EASTON_month_off_dap	25	86	<u>86</u>	9672	<u>87124</u>	0
EBO	PJM.EDGEMOOR13 KVHAYRD4_month_on_dap	25	178177	<u>178177</u>	21362124	<u>98138</u>	0
EBP	PJM.EDGEMOOR13 KVHAYRD4_month_off_dap	25	178177	<u>178177</u>	21362124	<u>97137</u>	0

EBQ	PJM.EDGEMOOR18 KVHAYRD8_month_on_dap	25	<u>178177</u>	<u>178177</u>	<u>21362124</u>	<u>98138</u>	0
EBR	PJM.EDGEMOOR18 KVHAYRD8_month_off_dap	25	<u>178177</u>	<u>178177</u>	<u>21362124</u>	<u>97137</u>	0
EIS	PJM.IMO_month_on_dap	25	<u>43823</u>	<u>43823</u>	<u>5256276</u>	<u>118156</u>	0
EIT	PJM.IMO_month_off_dap	25	<u>43823</u>	<u>43823</u>	<u>5256276</u>	<u>117155</u>	0
EJI	PJM.JCPL_month_on_dap	25	<u>763833</u>	<u>763833</u>	<u>91569996</u>	<u>126165</u>	0
EJJ	PJM.JCPL_month_off_dap	25	<u>596609</u>	<u>596609</u>	<u>71527308</u>	<u>125164</u>	0
EMA	PJM.LIDA - AP_month_on_dap	25	<u>3536</u>	<u>3536</u>	<u>420432</u>		0
EMB	PJM.LIDA - AP_month_off_dap	25	<u>3536</u>	<u>3536</u>	<u>420432</u>		0
EOW	PJM.METED_month_on_dap	25	<u>527688</u>	<u>527688</u>	<u>63248256</u>	<u>151192</u>	0
EOX	PJM.METED_month_off_dap	25	<u>423563</u>	<u>423563</u>	<u>50766756</u>	<u>150190</u>	0
ERA	PJM.MTSTORM422 KVG3_month_on_dap	25	420	420	5040	<u>165207</u>	0
ERB	PJM.MTSTORM422 KVG3_month_off_dap	25	420	420	5040	<u>164206</u>	0
ERM	PJM.N ILLINOIS HUB_month_on_dap	25	<u>59385952</u>	<u>59385952</u>	<u>7125671424</u>	<u>167209</u>	0
ERN	PJM.N ILLINOIS HUB_month_off_dap	25	5196	5196	62352	<u>166208</u>	0
EUY	PJM.PECO_month_on_dap	25	<u>14252189</u>	<u>14252189</u>	<u>1710026268</u>	<u>185228</u>	0
EUZ	PJM.PECO_month_off_dap	25	<u>11651815</u>	<u>11651815</u>	<u>1398021780</u>	<u>184226</u>	0
EVA	PJM.PENELEC_month_on_dap	25	<u>10631278</u>	<u>10631278</u>	<u>1275615336</u>	<u>187233</u>	0
EVB	PJM.PENELEC_month_off_dap	25	<u>1055867</u>	<u>1055867</u>	<u>1266010404</u>	<u>186230</u>	0
EVG	PJM.PEPCO_month_on_dap	25	1019	1019	12228	<u>189237</u>	0
EVH	PJM.PEPCO_month_off_dap	25	<u>821833</u>	<u>821833</u>	<u>98529996</u>	<u>188236</u>	0
EVI	PJM.PEPCO DC_month_on_dap	25	<u>285237</u>	<u>285237</u>	<u>34202844</u>	<u>189238</u>	0
EVJ	PJM.PEPCO DC_month_off_dap	25	<u>230195</u>	<u>230195</u>	<u>23402760</u>	<u>188235</u>	0
EVK	PJM.PEPCO MD_month_on_dap	25	<u>5701400</u>	<u>5701400</u>	<u>684016800</u>	<u>189239</u>	0
EVL	PJM.PEPCO MD_month_off_dap	25	<u>4601400</u>	<u>4601400</u>	<u>552016800</u>	<u>188234</u>	0
EWU	PJM.PPL_month_on_dap	25	<u>19201424</u>	<u>19201424</u>	<u>1708823040</u>	<u>193244</u>	0
EWV	PJM.PPL_month_off_dap	25	<u>11531593</u>	<u>11531593</u>	<u>1383619116</u>	<u>192243</u>	0
EXE	PJM.PSEG_month_on_dap	25	<u>14701548</u>	<u>14701548</u>	<u>1764018576</u>	<u>195248</u>	0
EXF	PJM.PSEG_month_off_dap	25	1168	1168	14016	<u>194247</u>	0
EXQ	PJM.RECO_month_on_dap	25	<u>6447</u>	<u>6447</u>	<u>768564</u>	<u>199254</u>	0
EXR	PJM.RECO_month_off_dap	25	<u>4736</u>	<u>4736</u>	<u>564432</u>	<u>198253</u>	0
FCI	PJM.SRIVER230 KVNUG GE_month_on_dap	25	<u>65115</u>	<u>65115</u>	<u>7801380</u>	<u>209263</u>	0
FCJ	PJM.SRIVER230 KVNUG GE_month_off_dap	25	<u>65115</u>	<u>65115</u>	<u>7801380</u>	<u>208262</u>	0
FDC	PJM.STEELCTY18 KVBETH 4CC_month_on_dap	25	<u>325288</u>	<u>325288</u>	<u>39003456</u>	<u>211265</u>	0
FDD	PJM.STEELCTY18 KVBETH 4CC_month_off_dap	25	<u>325288</u>	<u>325288</u>	<u>39003456</u>	<u>210264</u>	0
FDE	PJM.STEELCTY18 KVBETH 8CC_month_on_dap	25	<u>325288</u>	<u>325288</u>	<u>39003456</u>	<u>211265</u>	0
FDG	PJM.STEELCTY18 KVBETH 8CC_month_off_dap	25	<u>325288</u>	<u>325288</u>	<u>39003456</u>	<u>210264</u>	0
FHK	PJM.WESTERN HUB_month_on_dap	25	<u>83079389</u>	<u>83079389</u>	<u>9968411266</u>	<u>233287</u>	0
FHL	PJM.WESTERN HUB_month_off_dap	25	<u>77479190</u>	<u>77479190</u>	<u>9296411028</u>	<u>232286</u>	0
FJO	PJM.DUQ_month_on_dap	25	<u>473501</u>	<u>473501</u>	<u>56766012</u>	<u>92134</u>	0

FJP	PJM.DUQ_month_off_dap	25	388420	388420	46565040	94132	0
FJY	MISO.INDIANA.HUB_month_on_rtp	25	20834924	20834924	2499633088	124162	0
FJZ	MISO.INDIANA.HUB_month_off_rtp	25	16801731	16801731	2016020772	123161	0
FKA	PJM.AEP-DAYTON HUB_month_on_rtp	25	7031	7031	84372	419	0
FKB	PJM.AEP-DAYTON HUB_month_off_rtp	25	6535	6535	78420	2737	0
FKC	PJM.N ILLINOIS HUB_month_on_rtp	25	59385952	59385952	7125671424	434	0
FKD	PJM.N ILLINOIS HUB_month_off_rtp	25	5196	5196	62352	317343	0
FKE	PJM.WESTERN HUB_month_on_rtp	25	83079389	83079389	9968411266	422	0
FKF	PJM.WESTERN HUB_month_off_rtp	25	77479190	77479190	9296411028	234288	0
FLU	MISO_RTO.MEC.MECB_month_on_dap	25	993979	993979	1191611748	149189	0
FLV	MISO_RTO.MEC.MECB_month_off_dap	25	820834	820834	984010008	148188	0
FOI	ERCOT.HB_HOUSTON_month_on_rtp	25	45874789	45874789	5504457468	423	0
FOJ	ERCOT.HB_HOUSTON_month_off_rtp	25	43704734	43704734	5244056808	106144	0
FOK	ERCOT.HB_NORTH_month_on_rtp	25	69827143	69827143	8378485716	424	0
FOL	ERCOT.HB_NORTH_month_off_rtp	25	66546731	66546731	7981280772	108146	0
FOM	ERCOT.HB_SOUTH_month_on_rtp	25	18132490	18132490	2175629880	426	0
FON	ERCOT.HB_SOUTH_month_off_rtp	25	17272462	17272462	2072429544	110148	0
FOO	ERCOT.HB_WEST_month_on_rtp	25	11051755	11051755	1326021060	427	0
FOP	ERCOT.HB_WEST_month_off_rtp	25	10521735	10521735	1262420820	112150	0
FOW	CAISO.DLAP_PGAE-APND_month_on_dap	25	32613041	32613041	3913236492	78112	0
FOX	CAISO.DLAP_PGAE-APND_month_off_dap	25	27052620	27052620	3246031440	77111	0
FOY	CAISO.DLAP_SCE-APND_month_on_dap	25	33033126	33033126	3963637512	80114	0
FOZ	CAISO.DLAP_SCE-APND_month_off_dap	25	26292586	26292586	3154831032	79113	0
FPA	CAISO.DLAP_SDGE-APND_month_on_dap	25	669591	669591	80287092	82116	0
FPB	CAISO.DLAP_SDGE-APND_month_off_dap	25	515507	515507	61806084	81115	0
FQA	CAISO.PALOVRDE_ASR-APND_month_on_dap	25	832907	832907	998410884	184223	0
FQB	CAISO.PALOVRDE_ASR-APND_month_off_dap	25	832907	832907	998410884	180222	0
FQU	CAISO.TH_NP15_GEN-APND_month_on_dap	25	47074762	47074762	5648457144	215269	0
FQV	CAISO.TH_NP15_GEN-APND_month_off_dap	25	39614688	39614688	4753256256	214268	0
FQW	CAISO.TH_SP15_GEN-APND_month_on_dap	25	69347143	69347143	8320885716	217271	0
FQX	CAISO.TH_SP15_GEN-APND_month_off_dap	25	60707422	60707422	7284089064	216270	0
FQY	CAISO.TH_ZP26_GEN-APND_month_on_dap	25	5881297	5881297	705615564	219273	0
FQZ	CAISO.TH_ZP26_GEN-APND_month_off_dap	25	4951235	4951235	594014820	218272	0
FRK	MISO.MICHIGAN.HUB_month_on_rtp	25	4905	4905	58860		0
FRL	MISO.MICHIGAN.HUB_month_off_rtp	25	4284	4284	51408		0
FRM	PJM.PEPCO_month_on_rtp	25	1019	1019	12228		0
FRN	PJM.PEPCO_month_off_rtp	25	821833	821833	98529996		0
FRO	PJM.PSEG_month_on_rtp	25	14701548	14701548	1764018576		0

FRP	PJM.PSEG_month_off_rtp	25	1168	1168	14016		0
FRS	PJM.BGE_month_on_rtp	25	10641143	10641143	1273213716		0
FRT	PJM.BGE_month_off_rtp	25	883897	883897	1059610764		0
FRU	PJM.EASTERN HUB_month_on_rtp	25	10275	10275	123300		0
FRV	PJM.EASTERN HUB_month_off_rtp	25	93529551	93529551	1122241146		0
FRW	PJM.JCPL_month_on_rtp	25	763833	763833	91569996	420	0
FRX	PJM.JCPL_month_off_rtp	25	596609	596609	71527308	310336	0
FRY	ISONE..H.INTERNAL_HUB_month_on_rtp	25	68347143	68347143	8200885716		0
FRZ	ISONE..H.INTERNAL_HUB_month_off_rtp	25	56955769	56955769	6834069228		0
FSQ	MISO.AMIL.AMILSES_month_on_rtp	25	16661435	16661435	1999217220		0
FSR	MISO.AMIL.AMILSES_month_off_rtp	25	13751221	13751221	1650014652		0
FSU	MISO.ILLINOIS.HUB_month_on_rtp	25	13082132	13082132	1569625584		0
FSV	MISO.ILLINOIS.HUB_month_off_rtp	25	11422047	11422047	1370424564		0
FSW	MISO.MINN.HUB_month_on_rtp	25	29102807	29102807	3492033684		0
FSX	MISO.MINN.HUB_month_off_rtp	25	25422695	25422695	3050432340		0
FTG	NYISO.HUD VL_month_on_rtp	25	2968	2968	35616		0
FTH	NYISO.HUD VL_month_off_rtp	25	2968	2968	35616		0
FTO	NYISO.N.Y.C._month_on_rtp	25	1905	1905	22860		0
FTP	NYISO.N.Y.C._month_off_rtp	25	13661346	13661346	1639216152		0
FTS	NYISO.WEST_month_on_rtp	25	3810	3810	45720		0
FTT	NYISO.WEST_month_off_rtp	25	1051	1051	12612		0
FUA	PJM.COMED_month_on_rtp	25	34394146	34394146	4126849752		0
FUB	PJM.COMED_month_off_rtp	25	34072760	27603407	3312040884		0
FUI	PJM.METED_month_on_rtp	25	527688	527688	63248256		0
FUJ	PJM.METED_month_off_rtp	25	423563	423563	50766756		0
FUK	PJM.PECO_month_on_rtp	25	14252189	14252189	1710026268		0
FUL	PJM.PECO_month_off_rtp	25	11651815	11651815	1398021780		0
FUO	PJM.PPL_month_on_rtp	25	14241920	14241920	1708823040	421	0
FUP	PJM.PPL_month_off_rtp	25	11531593	11531593	1383619116	309335	0
FUS	MISO.WEC.PTBHGB1_month_on_dap	25	296310	296310	35523720	229283	0
FUT	MISO.WEC.PTBHGB1_month_off_dap	25	296310	296310	35523720	229282	0
FUU	ERCOT.LZ_HOUSTON_month_on_rtp	25	27593144	27593144	3310837728	428	0
FUV	ERCOT.LZ_HOUSTON_month_off_rtp	25	22932693	22932693	2751632316	138178	0
FUW	ERCOT.LZ_NORTH_month_on_rtp	25	41974595	41974595	5036455140	429	0
FUX	ERCOT.LZ_NORTH_month_off_rtp	25	34883526	34883526	4185642312	141181	0
FUY	ERCOT.LZ_SOUTH_month_on_rtp	25	14391568	14391568	1726818816	430	0
FUZ	ERCOT.LZ_SOUTH_month_off_rtp	25	11961343	11961343	1435216116	143183	0
FVA	ERCOT.LZ_WEST_month_on_rtp	25	7691321	7691321	922815852	431	0
FVB	ERCOT.LZ_WEST_month_off_rtp	25	6391132	6391132	766813584	145185	0
FVC	ERCOT.HB_HOUSTON_month_on_dap	25	45874789	45874789	5504457468	405	0
FVD	ERCOT.HB_HOUSTON_month_off_dap	25	43704734	43704734	5244056808	105143	0

FVE	ERCOT.HB_NORTH_month_on_dap	25	69827143	69827143	8378485716	406	0
FVF	ERCOT.HB_NORTH_month_off_dap	25	66546731	66546731	7981280772	407145	0
FVG	ERCOT.HB_SOUTH_month_on_dap	25	18132490	18132490	2175629880	408	0
FVH	ERCOT.HB_SOUTH_month_off_dap	25	17272462	17272462	2072429544	409147	0
FVI	ERCOT.HB_WEST_month_on_dap	25	11051755	11051755	1326021060	409	0
FVJ	ERCOT.HB_WEST_month_off_dap	25	10521735	10521735	1262420820	111149	0
FVK	ERCOT.LZ_HOUSTON_month_on_dap	25	27593144	27593144	3310837728	412	0
FVL	ERCOT.LZ_HOUSTON_month_off_dap	25	22932693	22932693	2751632316	137177	0
FVM	ERCOT.LZ_NORTH_month_on_dap	25	41974595	41974595	5036455140	414	0
FVN	ERCOT.LZ_NORTH_month_off_dap	25	34883526	34883526	4185642312	140180	0
FVO	ERCOT.LZ_SOUTH_month_on_dap	25	14391568	14391568	1726818816	415	0
FVP	ERCOT.LZ_SOUTH_month_off_dap	25	11961343	11961343	1435216116	142182	0
FVQ	ERCOT.LZ_WEST_month_on_dap	25	7691321	7691321	922815852	416	0
FVR	ERCOT.LZ_WEST_month_off_dap	25	6391132	6391132	766813584	144184	0
FVW	MISO.ENERGY_month_on_dae	25	2450730308	2450730308	294084363696		0
FVX	MISO.ENERGY_month_off_dae	25	2220529094	2220529094	266460349128		0
FVY	MISO.ENERGY_month_on_rte	25	2450730308	2450730308	294084363696		0
FVZ	MISO.ENERGY_month_off_rte	25	2220529094	2220529094	266460349128		0
FWA	PJM.ENERGY_month_on_dae	25	3951137585	3951137585	474132451020		0
FWB	PJM.ENERGY_month_off_dae	25	3690837129	3690837129	442896445548		0
FWC	PJM.ENERGY_month_on_rte	25	3951137585	3951137585	474132451020		0
FWD	PJM.ENERGY_month_off_rte	25	3690837129	3690837129	442896445548		0
FWE	NYISO.ENERGY_month_on_dae	25	84667966	84667966	10159295592		0
FWF	NYISO.ENERGY_month_off_dae	25	76057603	76057603	9126091236		0
FWI	ISONE.ENERGY_month_on_dae	25	68346403	68346403	8200876836		0
FWJ	ISONE.ENERGY_month_off_dae	25	56955953	56955953	6834071436		0
FWM	PJM.PENN POWER_month_on_dap	25	174300	174300	20883600	4368	0
FWN	PJM.PENN POWER_month_off_dap	25	140300	140300	16803600	4263	0
FWW	PJM.FE OHIO_month_on_dap	25	2005	2005	24060	4370	0
FWX	PJM.FE OHIO_month_off_dap	25	1614	1614	19368	4265	0
FXG	MISO_RTO.AMIL.AMILSES_month_on_dap	25	16661435	16661435	1999217220	3143	0
FXH	MISO_RTO.AMIL.AMILSES_month_off_dap	25	13751221	13751221	1650014652	3038	0
FXI	MISO_RTO.AMIL.BGS6_month_on_dap	25	1666	1666	19992	3144	0
FXJ	MISO_RTO.AMIL.BGS6_month_off_dap	25	1375	1375	16500	3039	0
FXM	MISO_RTO.INDIANA.HUB_month_on_dap	25	19242083	19242083	2308824996	122160	0
FXN	MISO_RTO.INDIANA.HUB_month_off_dap	25	16801731	16801731	2016020772	121159	0
FXO	MISO_RTO.INDIANA.HUB_month_on_rtp	25	19242083	19242083	2308824996	121162	0
FXP	MISO_RTO.INDIANA.HUB_month_off_rtp	25	16801731	16801731	2016020772	121161	0
FXQ	MISO_RTO.ILLINOIS.HUB_month_on_dap	25	13082132	13082132	1569625584	116154	0

FXR	MISO_RTO.ILLINOIS.HUB_month_off_dap	25	11422047	11422047	1370424564	115153	0
FXS	MISO_RTO.MICHIGAN.HUB_month_on_dap	25	4905	4905	58860	157199	0
FXT	MISO_RTO.MICHIGAN.HUB_month_off_dap	25	4284	4284	51408	156198	0
FXU	MISO_RTO.MINN.HUB_month_on_dap	25	29102807	29102807	3492033684	164203	0
FXV	MISO_RTO.MINN.HUB_month_off_dap	25	25422695	25422695	3050432340	160202	0
FXY	MISO_RTO.AMIL.IP_month_on_dap	25	16661435	16661435	1999217220	3145	0
FXZ	MISO_RTO.AMIL.IP_month_off_dap	25	13751221	13751221	1650014652	3042	0
FYU	MISO.NSP.NU_month_on_dap	25	1594607	1594607	191287284	177219	0
FYV	MISO.NSP.NU_month_off_dap	25	1316516	1316516	157926192	176218	0
FYW	MISO.CONS.LANS_month_on_dap	25	16111351	16111351	1933216212	6493	0
FYX	MISO.CONS.LANS_month_off_dap	25	13301150	13301150	1596013800	6092	0
FYY	MISO_RTO.WPS.MPU_month_on_dap	25	443387	443387	53164644	238292	0
FYZ	MISO_RTO.WPS.MPU_month_off_dap	25	366329	366329	43923948	237291	0
FZA	PJM.ATSI_month_on_dap	25	2180	2180	26160	4369	0
FZB	PJM.ATSI_month_off_dap	25	1754	1754	21048	4264	0
FZC	PJM.ATSI_month_on_rtp	25	2180	2180	26160		0
FZD	PJM.ATSI_month_off_rtp	25	1754	1754	21048		0
FZI	MISO.ALTW.ALTW_month_on_dap	25	825519	825519	99006228	284308	0
FZJ	MISO.ALTW.ALTW_month_off_dap	25	681442	681442	81725304	288312	0
FZO	MISO.CONS.SESB_month_on_dap	25	16111351	16111351	1933216212	6493	0
FZP	MISO.CONS.SESB_month_off_dap	25	13301150	13301150	1596013800	6092	0
GAA	PJM.DEOK_month_on_dap	25	846840	846840	1015210080	76109	0
GAB	PJM.DEOK_month_off_dap	25	697704	697704	83648448	75107	0
GAC	MISO.WPS.GLU_month_on_dap	25	443387	443387	53164644	238292	0
GAD	MISO.WPS.GLU_month_off_dap	25	366329	366329	43923948	237291	0
GAE	MISO.UPPC.ESC_month_on_dap	25	2124	2124	252288	223277	0
GAF	MISO.UPPC.ESC_month_off_dap	25	1721	1721	204252	222276	0
GAK	ERCOT.HB_HOUSTON_month_2x16_dap	25	43704789	43704789	5244057468	105405	0
GAL	ERCOT.HB_HOUSTON_month_7x8_dap	25	37394734	37394734	4486856808	105143	0
GAM	ERCOT.HB_NORTH_month_2x16_dap	25	66517143	66517143	7981285716	107406	0
GAN	ERCOT.HB_NORTH_month_7x8_dap	25	56916731	56916731	6829280772	107145	0
GAO	ERCOT.HB_SOUTH_month_2x16_dap	25	17272490	17272490	2072429880	109408	0
GAP	ERCOT.HB_SOUTH_month_7x8_dap	25	14782462	14782462	1773629544	109147	0
GAQ	ERCOT.HB_WEST_month_2x16_dap	25	10521755	10521755	1262421060	111409	0
GAR	ERCOT.HB_WEST_month_7x8_dap	25	9001735	9001735	1080020820	111149	0
GAS	ERCOT.LZ_HOUSTON_month_2x16_dap	25	25513144	25513144	3061237728	137412	0
GAT	ERCOT.LZ_HOUSTON_month_7x8_dap	25	21142693	21142693	2536832316	137177	0
GAU	ERCOT.LZ_NORTH_month_2x16_dap	25	38804595	38804595	4656055140	140414	0
GAV	ERCOT.LZ_NORTH_month_7x8_dap	25	35263216	35263216	3859242312	140180	0
GAW	ERCOT.LZ_SOUTH_month_2x16_dap	25	13311568	13311568	1597218816	142415	0
GAX	ERCOT.LZ_SOUTH_month_7x8_dap	25	11031343	11031343	1323616116	142182	0

GAY	ERCOT.LZ_WEST_month_2x16_dap	25	7411321	<u>7411321</u>	853215852	<u>144416</u>	0
GAZ	ERCOT.LZ_WEST_month_7x8_dap	25	5891132	<u>5891132</u>	706813584	<u>144184</u>	0
GBA	ERCOT.HB_HOUSTON_month_2x16_rtp	25	43704789	<u>43704789</u>	5244057468	<u>106423</u>	0
GBB	ERCOT.HB_HOUSTON_month_7x8_rtp	25	37394734	<u>37394734</u>	4486856808	<u>106144</u>	0
GBC	ERCOT.HB_NORTH_month_2x16_rtp	25	66547143	<u>66547143</u>	7981285716	<u>108424</u>	0
GBD	ERCOT.HB_NORTH_month_7x8_rtp	25	56946731	<u>56946731</u>	6829280772	<u>108146</u>	0
GBE	ERCOT.HB_SOUTH_month_2x16_rtp	25	17272490	<u>17272490</u>	2072429880	<u>110426</u>	0
GBF	ERCOT.HB_SOUTH_month_7x8_rtp	25	14782462	<u>14782462</u>	1773629544	<u>110148</u>	0
GBG	ERCOT.HB_WEST_month_2x16_rtp	25	10521755	<u>10521755</u>	1262421060	<u>112427</u>	0
GBH	ERCOT.HB_WEST_month_7x8_rtp	25	9001735	<u>9001735</u>	1080020820	<u>112150</u>	0
GBI	ERCOT.LZ_HOUSTON_month_2x16_rtp	25	25543144	<u>25543144</u>	3061237728	<u>138428</u>	0
GBJ	ERCOT.LZ_HOUSTON_month_7x8_rtp	25	21142693	<u>21142693</u>	2536832316	<u>138178</u>	0
GBK	ERCOT.LZ_NORTH_month_2x16_rtp	25	38804595	<u>38804595</u>	4656055140	<u>144429</u>	0
GBL	ERCOT.LZ_NORTH_month_7x8_rtp	25	35262216	<u>32163526</u>	3859242312	<u>144181</u>	0
GBM	ERCOT.LZ_SOUTH_month_2x16_rtp	25	13311568	<u>13311568</u>	1597218816	<u>143430</u>	0
GBN	ERCOT.LZ_SOUTH_month_7x8_rtp	25	11031343	<u>11031343</u>	1323616116	<u>143183</u>	0
GBO	ERCOT.LZ_WEST_month_2x16_rtp	25	7411321	<u>7411321</u>	853215852	<u>145431</u>	0
GBP	ERCOT.LZ_WEST_month_7x8_rtp	25	5891132	<u>5891132</u>	706813584	<u>145185</u>	0
GBQ	MISO.AMIL.WPSE_month_on_dap	25	16661435	<u>16661435</u>	1999217220	<u>3146</u>	0
GBR	MISO.AMIL.WPSE_month_off_dap	25	13751221	<u>13751221</u>	1650014652	<u>3040</u>	0
GBS	MISO.DPC.DPC_month_on_dap	25	175196	<u>175196</u>	21002352	<u>244295</u>	0
GBT	MISO.DPC.DPC_month_off_dap	25	144166	<u>144166</u>	17281992	<u>242296</u>	0
GBU	MISO.DECO.SESA_month_on_dap	25	19231937	<u>19231937</u>	2307623244	<u>72104</u>	0
GBV	MISO.DECO.SESA_month_off_dap	25	16491587	<u>16491587</u>	1978819050	<u>71103</u>	0
GBY	PJM.WESTERN HUB_month_2x16_dap	25	77479389	<u>77479389</u>	9296411266	<u>232287</u>	0
GBZ	PJM.WESTERN HUB_month_7x8_dap	25	64509190	<u>64509190</u>	7740011028	<u>232286</u>	0
GCA	PJM.WESTERN HUB_month_2x16_rtp	25	77479389	<u>77479389</u>	9296411266	<u>234422</u>	0
GCB	PJM.WESTERN HUB_month_7x8_rtp	25	64509190	<u>64509190</u>	7740011028	<u>234288</u>	0
GCI	ERCOT.LEG_LEG_G1_month_on_dap	25	422415	<u>422415</u>	50644980	<u>130170</u>	0
GCI	ERCOT.LEG_LEG_G1_month_off_dap	25	422415	<u>422415</u>	50644980	<u>129169</u>	0
GCQ	MISO.DECO.CROS_month_on_dap	25	19231937	<u>19231937</u>	2307623244	<u>72104</u>	0
GCR	MISO.DECO.CROS_month_off_dap	25	16491587	<u>16491587</u>	1978819050	<u>71103</u>	0
GCY	PJM.6 BYRON25 KVBY-1_month_on_dac	25	612	612	7344	20	0
GCZ	PJM.6 BYRON25 KVBY-1_month_off_dac	25	612	612	7344	19	0
GDA	PJM.AECO_month_on_dac	25	351476	<u>351476</u>	42125712	<u>2224</u>	0
GDB	PJM.AECO_month_off_dac	25	292	292	3504	2122	0
GDC	PJM.AEP_month_on_dac	25	43129000	<u>43129000</u>	5174410800	<u>2433</u>	0
GDD	PJM.AEP_month_off_dac	25	36469000	<u>36469000</u>	4375210800	<u>2328</u>	0
GDE	PJM.AEP-DAYTON HUB_month_on_dac	25	7031	7031	84372	2636	0
GDF	PJM.AEP-DAYTON HUB_month_off_dac	25	6535	6535	78420	2535	0

GDG	PJM.AMOS26 KVAM3_month_on_dac	25	733	733	8796	3755	0
GDH	PJM.AMOS26 KVAM3_month_off_dac	25	733	733	8796	3654	0
GDI	PJM.APS_month_on_dac	25	15041528	15041528	1804818336	3959	0
GDJ	PJM.APS_month_off_dac	25	12601310	12601310	4512015720	3856	0
GDK	PJM.ATSI_month_on_dac	25	2180	2180	26160	4369	0
GDL	PJM.ATSI_month_off_dac	25	1754	1754	21048	4264	0
GDM	PJM.BEAV DUQ22 KVUNIT1_month_on_dac	25	462461	462461	55445532		0
GDN	PJM.BEAV DUQ22 KVUNIT1_month_off_dac	25	462461	462461	55445532		0
GDO	PJM.BGE_month_on_dac	25	10611143	10611143	1273213716	4776	0
GDP	PJM.BGE_month_off_dac	25	883897	883897	1059610764	4675	0
GDQ	PJM.BRUNNERI24 KVUNIT03_month_on_dac	25	392406	392406	48724704		0
GDR	PJM.BRUNNERI24 KVUNIT03_month_off_dac	25	392406	392406	48724704		0
GDS	PJM.BRUNSWICK_month_on_dac	25	179198	179198	21482376		0
GDT	PJM.BRUNSWICK_month_off_dac	25	179198	179198	21482376		0
GDU	PJM.CALVERTC22 KVGEN 02_month_on_dac	25	457462	457462	54845544	4979	0
GDV	PJM.CALVERTC22 KVGEN 02_month_off_dac	25	457462	457462	54845544	4878	0
GDW	PJM.CALVERTC25 KVGEN 01_month_on_dac	25	457462	457462	54845544	4979	0
GDX	PJM.CALVERTC25 KVGEN 01_month_off_dac	25	457462	457462	54845544	4878	0
GDY	PJM.CLOVER25 KVG2_month_on_dac	25	212	212	2544		0
GDZ	PJM.CLOVER25 KVG2_month_off_dac	25	212	212	2544		0
GEA	PJM.COMED_month_on_dac	25	34394146	34394146	4126849752	5991	0
GEB	PJM.COMED_month_off_dac	25	27603407	27603407	3312040884	5889	0
GEC	PJM.CONEMAUG22 KVUNIT 1_month_on_dac	25	471490	471490	56525880		0
GED	PJM.CONEMAUG22 KVUNIT 1_month_off_dac	25	471490	471490	56525880		0
GEE	PJM.DAY_month_on_dac	25	7331100	7331100	879613200	6599	0
GEF	PJM.DAY_month_off_dac	25	5841100	5841100	700813200	6496	0
GEG	PJM.DEOK_month_on_dac	25	846840	846840	1015210080	76109	0
GEH	PJM.DEOK_month_off_dac	25	697704	697704	83648448	75107	0
GEI	PJM.DOM_month_on_dac	25	29976300	29976300	3596475600	84120	0
GEJ	PJM.DOM_month_off_dac	25	24986300	24986300	2997675600	83117	0
GEK	PJM.DPL_month_on_dac	25	601643	601643	72127716	88126	0
GEL	PJM.DPL_month_off_dac	25	501513	501513	60126156	87123	0
GEM	PJM.DUQ_month_on_dac	25	473501	473501	56766012	92134	0
GEN	PJM.DUQ_month_off_dac	25	388420	388420	46565040	91132	0
GEO	PJM.EASTERN HUB_month_on_dac	25	10275	10275	123300	94136	0
GEP	PJM.EASTERN HUB_month_off_dac	25	93529551	93529551	1122241146	93135	0
GEQ	PJM.EASTON_month_on_dac	25	97	97	10884	88128	0
GER	PJM.EASTON_month_off_dac	25	86	86	9672	87124	0
GERE	GER Future	25	30000	30000	30000		0

GES	PJM.INDIANR26 KVUNIT04_month_on_dac	25	<u>200201</u>	<u>200201</u>	<u>2412</u> 2400		0
GET	PJM.INDIANR26 KVUNIT04_month_off_dac	25	<u>200201</u>	<u>200201</u>	<u>2412</u> 2400		0
GEU	PJM.JCPL_month_on_dac	25	<u>763833</u>	<u>763833</u>	<u>91569996</u>	<u>126165</u>	0
GEV	PJM.JCPL_month_off_dac	25	<u>596609</u>	<u>596609</u>	<u>71527308</u>	<u>125164</u>	0
GEW	PJM.KEYSTONE20 KVUNIT 1_month_on_dac	25	<u>471470</u>	<u>471470</u>	<u>56525640</u>		0
GEX	PJM.KEYSTONE20 KVUNIT 1_month_off_dac	25	<u>471470</u>	<u>471470</u>	<u>56525640</u>		0
GEY	PJM.LIMERICK20 KVUNIT01_month_on_dac	25	569	569	6828	<u>132172</u>	0
GEZ	PJM.LIMERICK20 KVUNIT01_month_off_dac	25	569	569	6828	<u>131171</u>	0
GFA	PJM.LINDEN18 KV1101 CT_month_on_dac	25	<u>397530</u>	<u>397530</u>	<u>47646360</u>		0
GFB	PJM.LINDEN18 KV1101 CT_month_off_dac	25	<u>397530</u>	<u>397530</u>	<u>47646360</u>		0
GFC	PJM.LINWDPE18 KVCT1_month_on_dac	25	<u>210209</u>	<u>210209</u>	<u>25202508</u>		0
GFD	PJM.LINWDPE18 KVCT1_month_off_dac	25	<u>210209</u>	<u>210209</u>	<u>25202508</u>		0
GFE	PJM.METED_month_on_dac	25	<u>527688</u>	<u>527688</u>	<u>63248256</u>	<u>154192</u>	0
GFF	PJM.METED_month_off_dac	25	<u>423563</u>	<u>423563</u>	<u>50766756</u>	<u>150190</u>	0
GFI	PJM.MONTOUR24 KVUNIT01_month_on_dac	25	<u>410443</u>	<u>410443</u>	<u>49205316</u>	<u>163205</u>	0
GFJ	PJM.MONTOUR24 KVUNIT01_month_off_dac	25	<u>410443</u>	<u>410443</u>	<u>49205316</u>	<u>162204</u>	0
GFK	PJM.N ILLINOIS HUB_month_on_dac	25	<u>59385952</u>	<u>59385952</u>	<u>7125671424</u>	<u>167209</u>	0
GFL	PJM.N ILLINOIS HUB_month_off_dac	25	5196	5196	62352	<u>166208</u>	0
GFM	PJM.NEW JERSEY HUB_month_on_dac	25	<u>61745573</u>	<u>61745573</u>	<u>7408866876</u>		0
GFN	PJM.NEW JERSEY HUB_month_off_dac	25	<u>55675552</u>	<u>55675552</u>	<u>6680466624</u>		0
GFO	PJM.PEACHBOT22 KVUNIT02_month_on_dac	25	<u>576719</u>	<u>576719</u>	<u>69128628</u>	<u>183225</u>	0
GFP	PJM.PEACHBOT22 KVUNIT02_month_off_dac	25	<u>576719</u>	<u>576719</u>	<u>69128628</u>	<u>182224</u>	0
GFQ	PJM.PECO_month_on_dac	25	<u>14252189</u>	<u>14252189</u>	<u>1710026268</u>	<u>185228</u>	0
GFR	PJM.PECO_month_off_dac	25	<u>11651815</u>	<u>11651815</u>	<u>1398021780</u>	<u>184226</u>	0
GFS	PJM.PENELEC_month_on_dac	25	<u>10631278</u>	<u>10631278</u>	<u>1275615336</u>	<u>187233</u>	0
GFT	PJM.PENELEC_month_off_dac	25	<u>1055867</u>	<u>1055867</u>	<u>1266010404</u>	<u>186230</u>	0
GFU	PJM.PENN POWER_month_on_dac	25	<u>174300</u>	<u>174300</u>	<u>20883600</u>	<u>4368</u>	0
GFV	PJM.PENN POWER_month_off_dac	25	<u>140300</u>	<u>140300</u>	<u>16803600</u>	<u>4263</u>	0
GFW	PJM.PEPCO_month_on_dac	25	1019	1019	12228	<u>189237</u>	0
GFX	PJM.PEPCO_month_off_dac	25	<u>821833</u>	<u>821833</u>	<u>98529996</u>	<u>188236</u>	0
GFY	PJM.PEPCO DC_month_on_dac	25	<u>285237</u>	<u>285237</u>	<u>34202844</u>	<u>189238</u>	0
GFZ	PJM.PEPCO DC_month_off_dac	25	<u>230195</u>	<u>230195</u>	<u>23402760</u>	<u>188235</u>	0
GGA	PJM.PEPCO MD_month_on_dac	25	<u>5701400</u>	<u>5701400</u>	<u>684016800</u>	<u>189239</u>	0
GGB	PJM.PEPCO MD_month_off_dac	25	<u>4601400</u>	<u>4601400</u>	<u>552016800</u>	<u>188234</u>	0
GGC	PJM.PEPCO SMECO_month_on_dac	25	<u>163128</u>	<u>163128</u>	<u>1536</u> 1056	<u>189</u>	0
GGD	PJM.PEPCO SMECO_month_off_dac	25	<u>131105</u>	<u>131105</u>	<u>1260</u> 1572	<u>188</u>	0
GGE	PJM.PPL_month_on_dac	25	<u>14241920</u>	<u>14241920</u>	<u>1708823040</u>	<u>193244</u>	0
GGF	PJM.PPL_month_off_dac	25	<u>11531593</u>	<u>11531593</u>	<u>1383619116</u>	<u>192243</u>	0
GGG	PJM.PSEG_month_on_dac	25	<u>14701548</u>	<u>14701548</u>	<u>1764018576</u>	<u>195248</u>	0
GGH	PJM.PSEG_month_off_dac	25	1168	1168	14016	<u>194247</u>	0

GGI	PJM.RECO_month_on_dac	25	6447	6447	768564	199254	0
GGJ	PJM.RECO_month_off_dac	25	4736	4736	564432	199253	0
GGK	PJM.SUSQUEHA24 KVUNIT01_month_on_dac	25	649633	649633	77887596	213267	0
GGL	PJM.SUSQUEHA24 KVUNIT01_month_off_dac	25	649633	649633	77887596	212266	0
GGM	PJM.SUSQUEHA24 KVUNIT02_month_on_dac	25	649633	649633	77887596	213267	0
GGN	PJM.SUSQUEHA24 KVUNIT02_month_off_dac	25	649633	649633	77887596	212266	0
GGO	PJM.UGI_month_on_dac	25	4355	4355	516660	382	0
GGP	PJM.UGI_month_off_dac	25	3546	3546	420552	383	0
GGQ	PJM.WESTERN HUB_month_on_dac	25	83079389	83079389	9968411266	232287	0
GGR	PJM.WESTERN HUB_month_off_dac	25	77479190	77479190	9296411028	232286	0
GGS	PJM.1 LASALL24 KVLA-2_month_on_dac	25	585	585	7020		0
GGT	PJM.1 LASALL24 KVLA-2_month_off_dac	25	585	585	7020		0
GGU	PJM.20 BRAID24 KVBR-2_month_on_dac	25	612	612	7344		0
GGV	PJM.20 BRAID24 KVBR-2_month_off_dac	25	612	612	7344		0
GGW	PJM.AMOS26 KVAM2_month_on_dac	25	733	733	8796	3755	0
GGX	PJM.AMOS26 KVAM2_month_off_dac	25	733	733	8796	3654	0
GGY	PJM.BRANDONS24 KVGEN 01_month_on_dac	25	343342	343342	41164104		0
GGZ	PJM.BRANDONS24 KVGEN 01_month_off_dac	25	343342	343342	41164104		0
GHA	PJM.CHESWICK24 KVUNIT1_month_on_dac	25	159	159	1908		0
GHB	PJM.CHESWICK24 KVUNIT1_month_off_dac	25	159	159	1908		0
GHC	PJM.CONOWING13 KVGEN1_month_on_dac	25	127132	127132	15241584		0
GHD	PJM.CONOWING13 KVGEN1_month_off_dac	25	127132	127132	15241584		0
GHE	PJM.COOK26 KVCK1_month_on_dac	25	571	571	6852	6395	0
GHF	PJM.COOK26 KVCK1_month_off_dac	25	571	571	6852	6294	0
GHG	PJM.COOK26 KVCK2_month_on_dac	25	571	571	6852	6395	0
GHH	PJM.COOK26 KVCK2_month_off_dac	25	571	571	6852	6294	0
GHI	PJM.DPL NORTH_month_on_dac	25	252238	252238	30242856	88	0
GHI	PJM.DPL NORTH_month_off_dac	25	216202	216202	25922424	87	0
GHK	PJM.DRESDEN18 KVSTM1_month_on_dac	25	145169	145169	17402028		0
GHL	PJM.DRESDEN18 KVSTM1_month_off_dac	25	145169	145169	17402028		0
GHO	PJM.FE OHIO_month_on_dac	25	2005	2005	24060	4370	0
GHP	PJM.FE OHIO_month_off_dac	25	1614	1614	19368	4265	0
GHQ	PJM.FOWLER34.5 KVFWR1AWF_month_on_dac	25	150	150	1800		0
GHR	PJM.FOWLER34.5 KVFWR1AWF_month_off_dac	25	150	150	1800		0
GHS	PJM.IMO_month_on_dac	25	43823	43823	5256276	118156	0
GHT	PJM.IMO_month_off_dac	25	43823	43823	5256276	117155	0
GHU	PJM.KAMMER215.5 KVKM1_month_on_dac	25	178	178	2136		0

GHV	PJM.KAMMER215.5 KVKM1_month_off_dac	25	178	178	2136		0
GHW	PJM.KAMMER226 KVML1_month_on_dac	25	178	178	2136	128168	0
GHX	PJM.KAMMER226 KVML1_month_off_dac	25	178	178	2136	127167	0
GHY	PJM.KAMMER226 KVML2_month_on_dac	25	178	178	2136	128168	0
GHZ	PJM.KAMMER226 KVML2_month_off_dac	25	178	178	2136	127167	0
GIA	PJM.MARTINSC24 KVUNIT03_month_on_dac	25	449527	449527	53886324		0
GIB	PJM.MARTINSC24 KVUNIT03_month_off_dac	25	449527	449527	53886324		0
GIC	PJM.MISO_month_on_dac	25	17085606	17085606	2049667272	279303	0
GID	PJM.MISO_month_off_dac	25	17085606	17085606	2049667272	280304	0
GIE	PJM.MON POWER_month_on_dac	25	343393	343393	41164716		0
GIF	PJM.MON POWER_month_off_dac	25	282331	282331	39723384		0
GIG	PJM.MONTOUR24 KVUNIT02_month_on_dac	25	410443	410443	49205316	162205	0
GIH	PJM.MONTOUR24 KVUNIT02_month_off_dac	25	410443	410443	49205316	162204	0
GII	PJM.MTSTORM422 KVG3_month_on_dac	25	420	420	5040	165207	0
GIJ	PJM.MTSTORM422 KVG3_month_off_dac	25	420	420	5040	164206	0
GIO	PJM.NYIS_month_on_dac	25	1539624	1539624	184687488		0
GIP	PJM.NYIS_month_off_dac	25	1539624	1539624	184687488		0
GIQ	PJM.OVEC (PRE-PJM)_month_on_dac	25	664597	664597	79687164	277	0
GIR	PJM.OVEC (PRE-PJM)_month_off_dac	25	664597	664597	79687164	278	0
GIS	PJM.PERRYMAN13 KVCT 1_month_on_dac	25	101136	101136	12121632		0
GIT	PJM.PERRYMAN13 KVCT 1_month_off_dac	25	101136	101136	12121632		0
GIU	PJM.PLEA APS26 KVGEN 1_month_on_dac	25	342	342	4104	191241	0
GIV	PJM.PLEA APS26 KVGEN 1_month_off_dac	25	342	342	4104	190240	0
GIW	PJM.PSEGGLOB18 KV6_month_on_dac	25	231230	231230	27602772	318344	0
GIX	PJM.PSEGGLOB18 KV6_month_off_dac	25	231230	231230	27602772	319345	0
GIY	PJM.ROCKPOR226 KVRP1_month_on_dac	25	650	650	7800		0
GIZ	PJM.ROCKPOR226 KVRP1_month_off_dac	25	650	650	7800		0
GJA	PJM.SALEM25 KVSALEM1_month_on_dac	25	595	595	7140		0
GJB	PJM.SALEM25 KVSALEM1_month_off_dac	25	595	595	7140		0
GJG	PJM.TIDD_AEP24 KVCD1_month_on_dac	25	470	470	5640	221275	0
GJH	PJM.TIDD_AEP24 KVCD1_month_off_dac	25	470	470	5640	220274	0
GJI	PJM.TIDD_AEP24 KVCD2_month_on_dac	25	470	470	5640	221275	0
GJJ	PJM.TIDD_AEP24 KVCD2_month_off_dac	25	470	470	5640	220274	0
GJK	PJM.WAGNER13 KVGEN 01_month_on_dac	25	265264	265264	31683180		0
GJL	PJM.WAGNER13 KVGEN 01_month_off_dac	25	265264	265264	31683180		0
GJM	PJM.IRONWOOD16 KVCT-1_month_on_dac	25	194	194	2328	340360	0
GJN	PJM.IRONWOOD16 KVCT-1_month_off_dac	25	194	194	2328	341361	0
GJO	PJM.LIMERICK20 KVUNIT02_month_on_dac	25	569	569	6828	132172	0
GJP	PJM.LIMERICK20 KVUNIT02_month_off_dac	25	569	569	6828	131171	0
GJQ	PJM.OYSTERCR24 KVUNIT01_month_on_dac	25	138137	138137	16441656		0

GJR	PJM.OYSTERCR24 KVUNIT01_month_off_dac	25	138137	138137	16444656		0
GJS	PJM.TMI20 KVUNIT01_month_on_dac	25	244245	244245	29282940		0
GJT	PJM.TMI20 KVUNIT01_month_off_dac	25	244245	244245	29282940		0
GJU	PJM.4 QUAD C18 KVQC-1_month_on_dac	25	505504	505504	60606048	313339	0
GJV	PJM.4 QUAD C18 KVQC-1_month_off_dac	25	505504	505504	60606048	314340	0
GJW	PJM.6 BYRON25 KVBY-2_month_on_dac	25	612	612	7344	20	0
GJX	PJM.6 BYRON25 KVBY-2_month_off_dac	25	612	612	7344	19	0
GJY	PJM.AVONLAK214 KVUN7_month_on_dac	25	199218	199218	26162388	4573	0
GJZ	PJM.AVONLAK214 KVUN7_month_off_dac	25	199218	199218	26162388	4472	0
GKA	PJM.BATHCO20 KVGM1_month_on_dac	25	746715	746715	85928580	350370	0
GKB	PJM.BATHCO20 KVGM1_month_off_dac	25	746715	746715	85928580	366386	0
GKC	PJM.BEAVER13.2 KVWL-A_month_on_dac	25	37138	37138	1656444		0
GKD	PJM.BEAVER13.2 KVWL-A_month_off_dac	25	37138	37138	1656444		0
GKE	PJM.EASTLAKE24 KVSC5_month_on_dac	25	322	322	3864		0
GKF	PJM.EASTLAKE24 KVSC5_month_off_dac	25	322	322	3864		0
GKW	PJM.DECAM GAS GEN_month_on_dac	25	650697	650697	78008364	275	0
GKX	PJM.DECAM GAS GEN_month_off_dac	25	650697	650697	78008364	276	0
GLO	MISO.UPPC.INTEGRATD_month_on_dap	25	2424	2424	252288	223277	0
GLP	MISO.UPPC.INTEGRATD_month_off_dap	25	4721	4721	204252	222276	0
GLQ	MISO.MIUP.WEPM_month_on_dap	25	1229914	1229914	4474810968		0
GLR	MISO.MIUP.WEPM_month_off_dap	25	4014778	4014778	421689336		0
GMA	MISO_RTO.AMIL.AMILSES_month_on_dac	25	46661435	46661435	4999217220	3443	0
GMB	MISO_RTO.AMIL.AMILSES_month_off_dac	25	43751221	43751221	4650014652	3038	0
GMC	MISO_RTO.AMIL.BGS6_month_on_dac	25	1666	1666	19992	3444	0
GMD	MISO_RTO.AMIL.BGS6_month_off_dac	25	1375	1375	16500	3039	0
GMG	MISO_RTO.AMIL.WPSE.OLIN_month_on_dac	25	46661435	46661435	4999217220	3447	0
GMH	MISO_RTO.AMIL.WPSE.OLIN_month_off_dac	25	43751221	43751221	4650014652	3041	0
GMI	MISO_RTO.ILLINOIS.HUB_month_on_dac	25	43082132	43082132	4569625584	446154	0
GMJ	MISO_RTO.ILLINOIS.HUB_month_off_dac	25	41422047	41422047	4370424564	445153	0
GMK	MISO_RTO.INDIANA.HUB_month_on_dac	25	49242083	49242083	2308824996	422160	0
GML	MISO_RTO.INDIANA.HUB_month_off_dac	25	46801731	46801731	2016020772	424159	0
GMM	MISO_RTO.MICHIGAN.HUB_month_on_dac	25	4905	4905	58860	457199	0
GMN	MISO_RTO.MICHIGAN.HUB_month_off_dac	25	4284	4284	51408	456198	0
GMO	MISO_RTO.MINN.HUB_month_on_dac	25	29102807	29102807	3492033684	464203	0
GMP	MISO_RTO.MINN.HUB_month_off_dac	25	25422695	25422695	3050432340	460202	0
GMS	MISO_RTO.AMIL.BALDWI51_month_on_dac	25	440300	440300	52803600	3249	0
GMT	MISO_RTO.AMIL.BALDWI51_month_off_dac	25	440300	440300	52803600	3248	0
GMU	MISO_RTO.CON.S.PALISA2A1_month_on_dac	25	205	205	2460		0
GMV	MISO_RTO.CON.S.PALISA2A1_month_off_dac	25	205	205	2460		0

GMW	MISO_RTO.ALTW.DAEC_month_on_dac	25	13930	13930	1668360		0
GMX	MISO_RTO.ALTW.DAEC_month_off_dac	25	13930	13930	1668360		0
GMY	MISO_RTO.AMMO.LABADIE1_month_on_dac	25	632	632	7584		0
GMZ	MISO_RTO.AMMO.LABADIE1_month_off_dac	25	632	632	7584		0
GNA	MISO_RTO.AMIL.NEWTON21_month_on_dac	25	315157	315157	18843780		0
GNB	MISO_RTO.AMIL.NEWTON21_month_off_dac	25	315157	315157	37801884		0
GNC	MISO_RTO.WEC.OKCGC7_month_on_dac	25	219	219	2628		0
GND	MISO_RTO.WEC.OKCGC7_month_off_dac	25	219	219	2628		0
GNE	MISO_RTO.AMMO.RUSHIS1_month_on_dac	25	318317	318317	38163804		0
GNF	MISO_RTO.AMMO.RUSHIS1_month_off_dac	25	318317	318317	38163804		0
GNG	MISO_RTO.NIPS.SCHAHP18_month_on_dac	25	406445	406445	53404872		0
GNH	MISO_RTO.NIPS.SCHAHP18_month_off_dac	25	406445	406445	53404872		0
GNI	MISO_RTO.ALTW.OTTUMW1_month_on_dac	25	19191	19191	22921092		0
GNJ	MISO_RTO.ALTW.OTTUMW1_month_off_dac	25	19191	19191	22921092		0
GNK	MISO_RTO.AMIL.CLINTO51_month_on_dac	25	264263	264263	31563168		0
GNL	MISO_RTO.AMIL.CLINTO51_month_off_dac	25	264263	264263	31563168		0
GNM	MISO_RTO.NSP.OTP_month_on_dac	25	1594607	1594607	191287284	177219	0
GNN	MISO_RTO.NSP.OTP_month_off_dac	25	1316516	1316516	157926192	176218	0
GNQ	MISO_RTO.WEC.PTBHGB1_month_on_dac	25	296310	296310	35523720	229283	0
GNR	MISO_RTO.WEC.PTBHGB1_month_off_dac	25	296310	296310	35523720	228282	0
GNS	MISO_RTO.IPL.16PETEE3_month_on_dac	25	131380	131380	15724560		0
GNT	MISO_RTO.IPL.16PETEE3_month_off_dac	25	131380	131380	15724560		0
GNU	MISO_RTO.IPL.16STOU707_month_on_dac	25	131268	131268	32161572		0
GNV	MISO_RTO.IPL.16STOU707_month_off_dac	25	131268	131268	32161572		0
GNW	MISO_RTO.SIGE.10ABBG1_month_on_dac	25	125	125	1500		0
GNX	MISO_RTO.SIGE.10ABBG1_month_off_dac	25	125	125	1500		0
GNY	MISO_RTO.AMIL.IP_month_on_dac	25	16661435	16661435	1999217220	3145	0
GNZ	MISO_RTO.AMIL.IP_month_off_dac	25	13751221	13751221	1650014652	3042	0
GOA	MISO_RTO.AMMO.UE_month_on_dac	25	14431176	14431176	1731614112	3553	0
GOB	MISO_RTO.AMMO.UE_month_off_dac	25	11911001	11911001	1429212012	3450	0
GOG	MISO_RTO.WPS.COLUMBIA1_month_on_dac	25	14378	14378	1716936		0
GOH	MISO_RTO.WPS.COLUMBIA1_month_off_dac	25	14378	14378	1716936		0
GOI	MISO_RTO.CIN.GIBSON.1_month_on_dac	25	808807	808807	96969684		0
GOJ	MISO_RTO.CIN.GIBSON.1_month_off_dac	25	808807	808807	96969684		0
GOK	MISO_RTO.IPL.IPL_month_on_dac	25	525455	525455	54603300		0
GOL	MISO_RTO.IPL.IPL_month_off_dac	25	433387	433387	46445196		0
GOM	MISO_RTO.ALTW.JOULGSCIP_month_on_dac	25	18996	18996	22681152		0
GON	MISO_RTO.ALTW.JOULGSCIP_month_off_dac	25	18996	18996	22681152		0

GOO	MISO_RTO.CONS.LIVINGEN1_month_on_dac	25	33	33	396		0
GOP	MISO_RTO.CONS.LIVINGEN1_month_off_dac	25	33	33	396		0
GOQ	MISO_RTO.GRE.LKFLGR1_month_on_dac	25	137	137	1644		0
GOR	MISO_RTO.GRE.LKFLGR1_month_off_dac	25	137	137	1644		0
GOS	MISO_RTO.ALTE.ALTE_month_on_dac	25	499459	499459	59885508	283307	0
GOT	MISO_RTO.ALTE.ALTE_month_off_dac	25	412391	412391	49444692	287311	0
GOU	MISO_RTO.ALTW.ALTW_month_on_dac	25	825519	825519	99006228	284308	0
GOV	MISO_RTO.ALTW.ALTW_month_off_dac	25	681442	681442	81725304	288312	0
GOW	MISO_RTO.DECO.LUD1_month_on_dac	25	78272	78272	3264936		0
GOX	MISO_RTO.DECO.LUD1_month_off_dac	25	78272	78272	3264936		0
GOY	MISO_RTO.CIN.PSI_month_on_dac	25	1211981	1211981	1453211772	5787	0
GOZ	MISO_RTO.CIN.PSI_month_off_dac	25	8354000	8354000	1002042000	5686	0
GPA	MISO_RTO.NSP.SHERCO1_month_on_dac	25	360357	360357	43204284		0
GPB	MISO_RTO.NSP.SHERCO1_month_off_dac	25	360357	360357	43204284		0
GPC	MISO_RTO.SIPC.SIPC_month_on_dac	25	6072	6072	720864		0
GPD	MISO_RTO.SIPC.SIPC_month_off_dac	25	5062	5062	600744		0
GPE	MISO_RTO.ALTW.WSEC3_month_on_dac	25	16840	16840	2016480		0
GPF	MISO_RTO.ALTW.WSEC3_month_off_dac	25	16840	16840	2016480		0
GPG	MISO_RTO.AMIL.WPSE_month_on_dac	25	16661435	16661435	1999217220	3146	0
GPH	MISO_RTO.AMIL.WPSE_month_off_dac	25	13751221	13751221	1650014652	3040	0
GPK	MISO_RTO.ALTW.PIONPRAR2_month_on_dac	25	25	25	300		0
GPL	MISO_RTO.ALTW.PIONPRAR2_month_off_dac	25	25	25	300		0
GPQ	MISO_RTO.DPC.DPC_month_on_dac	25	175196	175196	21002352	241295	0
GPR	MISO_RTO.DPC.DPC_month_off_dac	25	144166	144166	17281992	242296	0
GPS	MISO_RTO.AMMO.CALLAWAY1_month_on_dac	25	298	298	3576		0
GPT	MISO_RTO.AMMO.CALLAWAY1_month_off_dac	25	298	298	3576		0
GPU	MISO_RTO.CIN.CAYUGA.1_month_on_dac	25	260	260	3120		0
GPV	MISO_RTO.CIN.CAYUGA.1_month_off_dac	25	260	260	3120		0
GPW	MISO_RTO.CONS.CAMPBELL2_month_on_dac	25	154351	154351	18484212		0
GPX	MISO_RTO.CONS.CAMPBELL2_month_off_dac	25	154351	154351	18484212		0
GPY	MISO_RTO.DPC.NSPLOAD_month_on_dac	25	175196	175196	21002352	241	0
GPZ	MISO_RTO.DPC.NSPLOAD_month_off_dac	25	144166	144166	17281992	242	0
GQA	MISO_RTO.GRE.GRE_month_on_dac	25	484468	484468	58085616	240294	0
GQB	MISO_RTO.GRE.GRE_month_off_dac	25	399398	399398	47884776	239293	0
GQC	MISO_RTO.NSP.NU_month_on_dac	25	1594607	1594607	191287284	177219	0
GQD	MISO_RTO.NSP.NU_month_off_dac	25	1316516	1316516	157926192	176218	0
GQE	MISO_RTO.MDU.MDU_month_on_dac	25	100112	100112	13441200	147187	0
GQF	MISO_RTO.MDU.MDU_month_off_dac	25	8395	8395	9961140	146186	0
GQG	MISO_RTO.MEC.MECB_month_on_dac	25	993979	993979	1191611748	149189	0

GQH	MISO_RTO.MEC.MECB_month_off_dac	25	820834	820834	984010008	148188	0
GQI	MISO_RTO.ONT_month_on_dac	25	470425	470425	56405100	285309	0
GQJ	MISO_RTO.ONT_month_off_dac	25	470425	470425	56405100	289313	0
GQK	MISO_RTO.PJMC_month_on_dac	25	1554569	1554569	186486828	286310	0
GQL	MISO_RTO.PJMC_month_off_dac	25	1554569	1554569	186486828	290314	0
GQM	MISO_RTO.NIPS.NIPS_month_on_dac	25	516607	516607	61927284	174213	0
GQN	MISO_RTO.NIPS.NIPS_month_off_dac	25	426516	426516	51126192	170212	0
GQQ	MISO_RTO.SIGE.SIGW_month_on_dac	25	218193	218193	23162616		0
GQR	MISO_RTO.SIGE.SIGW_month_off_dac	25	180164	180164	21601968		0
GQS	MISO_RTO.SIPC.MARI69_month_on_dac	25	2827	2827	336324		0
GQT	MISO_RTO.SIPC.MARI69_month_off_dac	25	2827	2827	336324		0
GQU	MISO_RTO.SMP.SMP_month_on_dac	25	106105	106105	12601272		0
GQV	MISO_RTO.SMP.SMP_month_off_dac	25	8789	8789	10441068		0
GQY	MISO_RTO.WR.MOWR_month_on_dac	25	9051005	9051005	1086012060		0
GQZ	MISO_RTO.WR.MOWR_month_off_dac	25	747844	747844	896410128		0
GRU	MISO_RTO.AECI_month_on_dac	25	100278	100278	12003336		0
GRV	MISO_RTO.AECI_month_off_dac	25	100278	100278	12003336		0
GRW	MISO_RTO.AMIL.CC.GDTWR2_month_on_dac	25	69132	69132	8281584		0
GRX	MISO_RTO.AMIL.CC.GDTWR2_month_off_dac	25	69132	69132	8281584		0
GRY	MISO_RTO.AMIL.EDWARDS3_month_on_dac	25	186152	186152	18242232		0
GRZ	MISO_RTO.AMIL.EDWARDS3_month_off_dac	25	186152	186152	18242232		0
GSE	MISO_RTO.SOCO_month_on_dac	25	6651	6651	792612		0
GSF	MISO_RTO.SOCO_month_off_dac	25	6651	6651	792612		0
GSK	MISO_RTO.ALTW.LOSTLAKES_month_on_dac	25	25	25	300		0
GSL	MISO_RTO.ALTW.LOSTLAKES_month_off_dac	25	25	25	300		0
GSM	MISO_RTO.AMIL.RSPWIND_month_on_dac	25	25	25	300		0
GSN	MISO_RTO.AMIL.RSPWIND_month_off_dac	25	25	25	300		0
GTI	PJM.FREMONT18 KVFT1_month_on_dac	25	174184	174184	22082052		0
GTJ	PJM.FREMONT18 KVFT1_month_off_dac	25	174184	174184	22082052		0
GTK	PJM.HOMERCIT24 KVUNIT3_month_on_dac	25	503	503	6036		0
GTL	PJM.HOMERCIT24 KVUNIT3_month_off_dac	25	503	503	6036		0
GTM	PJM.PERRY_FE22 KVPR10_month_on_dac	25	328327	328327	39363924		0
GTN	PJM.PERRY_FE22 KVPR10_month_off_dac	25	328327	328327	39363924		0
GTQ	PJM.SAMMISFE19 KVSH70_month_on_dac	25	617	617	7404		0
GTR	PJM.SAMMISFE19 KVSH70_month_off_dac	25	617	617	7404		0
GUY	MISO_RTO.DECO.MONROE1_month_on_dac	25	780781	780781	93729360		0
GUZ	MISO_RTO.DECO.MONROE1_month_off_dac	25	780781	780781	93729360		0
GVC	MISO_RTO.NIPS.BENTONCO_month_on_dac	25	516607	516607	61927284	174213	0

GVD	MISO_RTO.NIPS.BENTONCO_month_off_dac	25	426516	426516	51126192	170212	0
GVE	MISO_RTO.SIGE.FOWLRL_month_on_dac	25	150	150	1800		0
GVF	MISO_RTO.SIGE.FOWLRL_month_off_dac	25	150	150	1800		0
GVG	MISO_RTO.TVA.WHITEOAK_month_on_dac	25	3837	3837	456444		0
GVH	MISO_RTO.TVA.WHITEOAK_month_off_dac	25	3837	3837	456444		0
GVU	PJM.HARR APS20 KVGGEN 1_month_on_dap	25	513	513	6156	102142	0
GVV	PJM.HARR APS20 KVGGEN 1_month_off_dap	25	513	513	6156	101141	0
GVY	PJM.CPP_month_on_dac	25	38	38	456		0
GVZ	PJM.CPP_month_off_dac	25	3132	3132	372384		0
GXC	PJM.HARR APS20 KVGGEN 1_month_on_dac	25	513	513	6156	102142	0
GXD	PJM.HARR APS20 KVGGEN 1_month_off_dac	25	513	513	6156	101141	0
GXE	PJM.HARR APS20 KVGGEN 2_month_on_dac	25	513	513	6156	102142	0
GXF	PJM.HARR APS20 KVGGEN 2_month_off_dac	25	513	513	6156	101141	0
GXI	PJM.FTMARTIN22 KVGGEN 1_month_on_dac	25	288	288	3456		0
GXJ	PJM.FTMARTIN22 KVGGEN 1_month_off_dac	25	288	288	3456		0
GXM	PJM.PLEA APS26 KVGGEN 2_month_on_dac	25	342	342	4104	191241	0
GXN	PJM.PLEA APS26 KVGGEN 2_month_off_dac	25	342	342	4104	190240	0
GXQ	ERCOT.LZ_LCRA_month_on_dap	25	524458	524458	62885496	413	0
GXR	ERCOT.LZ_LCRA_month_off_dap	25	435392	435392	52204704	139179	0
GXS	ERCOT.LZ_LCRA_month_7x8_dap	25	401392	401392	48124704	139179	0
GXT	ERCOT.LZ_LCRA_month_2x16_dap	25	484458	484458	58085496	139413	0
GXU	ERCOT.LZ_CPS_month_on_dap	25	980789	980789	117609468	411	0
GXV	ERCOT.LZ_CPS_month_off_dap	25	814676	814676	97688112	136176	0
GXW	ERCOT.LZ_CPS_month_7x8_dap	25	754676	754676	90128112	136176	0
GXX	ERCOT.LZ_CPS_month_2x16_dap	25	906789	906789	108729468	136411	0
GXY	ERCOT.LZ_AEN_month_on_dap	25	416429	416429	49925148	410	0
GXZ	ERCOT.LZ_AEN_month_off_dap	25	345367	345367	41404404	135175	0
GYA	ERCOT.LZ_AEN_month_7x8_dap	25	319367	319367	38284404	135175	0
GYB	ERCOT.LZ_AEN_month_2x16_dap	25	384429	384429	51484608	135410	0
GYC	ERCOT.DC_R_month_on_dap	25	3875	3875	456900	404	0
GYD	ERCOT.DC_R_month_off_dap	25	3875	3875	456900	68102	0
GYE	ERCOT.DC_R_month_7x8_dap	25	3875	3875	456900	68102	0
GYF	ERCOT.DC_R_month_2x16_dap	25	3875	3875	456900	68404	0
GYG	ERCOT.DC_N_month_on_dap	25	55	55	660	403	0
GYH	ERCOT.DC_N_month_off_dap	25	55	55	660	67101	0
GYI	ERCOT.DC_N_month_7x8_dap	25	55	55	660	67101	0
GYJ	ERCOT.DC_N_month_2x16_dap	25	55	55	660	67403	0
GYK	ERCOT.DC_E_month_on_dap	25	150	150	1800	402	0
GYL	ERCOT.DC_E_month_off_dap	25	150	150	1800	66100	0
GYM	ERCOT.DC_E_month_7x8_dap	25	150	150	1800	66100	0
GYN	ERCOT.DC_E_month_2x16_dap	25	150	150	1800	66402	0

GYO	ERCOT.OECCS_1_month_on_dap	25	248265	248265	31802976		0
GYP	ERCOT.OECCS_1_month_off_dap	25	248265	248265	31802976		0
GYQ	ERCOT.OECCS_1_month_on_rtp	25	248265	248265	29763180		0
GYR	ERCOT.OECCS_1_month_off_rtp	25	248265	248265	29763180		0
GYS	MISO_RTO.AMMO.SIOUX1_month_on_dac	25	259258	259258	31083096		0
GYT	MISO_RTO.AMMO.SIOUX1_month_off_dac	25	259258	259258	31083096		0
HAI	NYISO.ARTHUR_KILL_2_month_on_dac	25	233232	233232	27962784	4461	0
HAI	NYISO.ARTHUR_KILL_2_month_off_dac	25	233232	233232	27962784	4060	0
HAK	NYISO.ARTHUR_KILL_3_month_on_dac	25	233232	233232	27962784	4461	0
HAL	NYISO.ARTHUR_KILL_3_month_off_dac	25	233232	233232	27962784	4060	0
HAM	NYISO.AST_ENERGY_2_CC3_month_on_dac	25	154165	154165	18481980		0
HAN	NYISO.AST_ENERGY_2_CC3_month_off_dac	25	154165	154165	18481980		0
HAO	NYISO.ASTORIA_EAST_ENERGY_CC1_month_on_dac	25	160	160	1920		0
HAP	NYISO.ASTORIA_EAST_ENERGY_CC1_month_off_dac	25	160	160	1920		0
HAQ	NYISO.ATHENS_STG_1_month_on_dac	25	331330	331330	39723960		0
HAR	NYISO.ATHENS_STG_1_month_off_dac	25	331330	331330	39603972		0
HAS	NYISO.BARRETT___1_month_on_dac	25	167	167	2004	297319	0
HAT	NYISO.BARRETT___1_month_off_dac	25	167	167	2004	298320	0
HAU	NYISO.BLISS_WT_PWR_month_on_dac	25	25	25	300		0
HAV	NYISO.BLISS_WT_PWR_month_off_dac	25	25	25	300		0
HAW	NYISO.BOWLINE___1_month_on_dac	25	311310	311310	37323720		0
HAX	NYISO.BOWLINE___1_month_off_dac	25	311310	311310	37323720		0
HAY	NYISO.BROOKLYN_NAVY_YARD_month_on_dac	25	8180	8180	972960		0
HAZ	NYISO.BROOKLYN_NAVY_YARD_month_off_dac	25	8180	8180	972960		0
HBA	NYISO.CAITHNESS_CC_1_month_on_dac	25	8793	8793	10441116		0
HBB	NYISO.CAITHNESS_CC_1_month_off_dac	25	8793	8793	10441116		0
HBC	NYISO.CANDIGU_WT_PWR_month_on_dac	25	31	31	372		0
HBD	NYISO.CANDIGU_WT_PWR_month_off_dac	25	31	31	372		0
HBE	NYISO.CARR STREET_E._SYR_month_on_dac	25	3130	3130	372360		0
HBF	NYISO.CARR STREET_E._SYR_month_off_dac	25	3130	3130	372360		0
HBG	NYISO.CENTRL_month_on_dac	25	786921	786921	943211052	5585	0
HBH	NYISO.CENTRL_month_off_dac	25	589780	589780	93607068	5484	0
HBI	NYISO.CH_RES_BVR_FALLS_month_on_dac	25	27	27	324		0
HBJ	NYISO.CH_RES_BVR_FALLS_month_off_dac	25	27	27	324		0
HBK	NYISO.CH_RES_SYRACUSE_month_on_dac	25	2625	2625	312300		0
HBL	NYISO.CH_RES_SYRACUSE_month_off_dac	25	2625	2625	312300		0
HBM	NYISO.CHATEAUG_WT_PWR_month_on_dac	25	2726	2726	324312		0
HBN	NYISO.CHATEAUG_WT_PWR_month_off_dac	25	2726	2726	324312		0
HBO	NYISO.DANSKAMMER___4_month_on_dac	25	134133	134133	16081596		0

HBP	NYISO.DANSKAMMER___4_month_off_dac	25	134133	134133	16081596		0
HBS	NYISO.DUNWOD_month_on_dac	25	2001100	2001100	240013200	90130	0
HBT	NYISO.DUNWOD_month_off_dac	25	1561100	1561100	132001872	89129	0
HBU	NYISO.E_FISHKILL__LBMP_month_on_dac	25	344270	344270	40923240		0
HBV	NYISO.E_FISHKILL__LBMP_month_off_dac	25	344270	344270	40923240		0
HBW	NYISO.EAST RIVER___7_month_on_dac	25	179181	179181	21482172		0
HBX	NYISO.EAST RIVER___7_month_off_dac	25	179181	179181	21482172		0
HBY	NYISO.EMPIRE_CC_1_month_on_dac	25	168167	168167	20162004		0
HBZ	NYISO.EMPIRE_CC_1_month_off_dac	25	168167	168167	20162004		0
HCC	NYISO.FITZPATRICK____month_on_dac	25	224220	224220	26522640		0
HCD	NYISO.FITZPATRICK____month_off_dac	25	224220	224220	26522640		0
HCE	NYISO.GENESE_month_on_dac	25	324800	324800	38889600	100140	0
HCF	NYISO.GENESE_month_off_dac	25	255800	255800	30609600	99139	0
HCG	NYISO.GILBOA___1_month_on_dac	25	250290	250290	34803000		0
HCH	NYISO.GILBOA___1_month_off_dac	25	250290	250290	34803000		0
HCI	NYISO.GINNA____month_on_dac	25	154153	154153	18481836		0
HCI	NYISO.GINNA____month_off_dac	25	154153	154153	18481836		0
HCM	NYISO.GLOBAL GREEN_PORT_GT1_month_on_dac	25	1413	1413	168156		0
HCN	NYISO.GLOBAL GREEN_PORT_GT1_month_off_dac	25	1413	1413	168156		0
HCO	NYISO.HISHELDN_WT_PWR_month_on_dac	25	2829	2829	336348		0
HCP	NYISO.HISHELDN_WT_PWR_month_off_dac	25	2829	2829	336348		0
HCQ	NYISO.HQ_GEN_CEDARS_PROXY_month_o n_dac	25	8492	8492	9721104		0
HCR	NYISO.HQ_GEN_CEDARS_PROXY_month_of f_dac	25	8492	8492	9721104		0
HCS	NYISO.HQ_GEN_IMPORT_month_on_dac	25	225	225	2700		0
HCT	NYISO.HQ_GEN_IMPORT_month_off_dac	25	225	225	2700		0
HCU	NYISO.HUD_VL_month_on_dac	25	2968	2968	35616	114152	0
HCV	NYISO.HUD_VL_month_off_dac	25	2968	2968	35616	113151	0
HCW	NYISO.HUNTLEY___67_month_on_dac	25	10918	10918	1308216		0
HCX	NYISO.HUNTLEY___67_month_off_dac	25	10918	10918	1308216		0
HCY	NYISO.INDECK___CORINTH_month_on_dac	25	3736	3736	444432		0
HCZ	NYISO.INDECK___CORINTH_month_off_dac	25	3736	3736	444432		0
HDA	NYISO.INDIAN POINT___2_month_on_dac	25	325324	325324	38883900	120158	0
HDB	NYISO.INDIAN POINT___2_month_off_dac	25	325324	325324	39003888	119157	0
HDC	NYISO.KIAC_JFK_GT2_month_on_dac	25	30	30	360		0
HDD	NYISO.KIAC_JFK_GT2_month_off_dac	25	30	30	360		0
HDE	NYISO.KINTIGH____month_on_dac	25	164163	164163	19561968		0
HDF	NYISO.KINTIGH____month_off_dac	25	164163	164163	19681956		0
HDG	NYISO.LINDEN COGEN____month_on_dac	25	259200	259200	24003108		0
HDH	NYISO.LINDEN COGEN____month_off_dac	25	259200	259200	24003108		0
HDI	NYISO.LONGIL_month_on_dac	25	7281700	7281700	873620400	134174	0

HDJ	NYISO.LONGIL_month_off_dac	25	5741700	5741700	688820400	133173	0
HDK	NYISO.MAPLE RIDGE_WT_1_month_on_dac	25	8180	8180	972960		0
HDL	NYISO.MAPLE RIDGE_WT_1_month_off_dac	25	8180	8180	972960		0
HDM	NYISO.MHK VL_month_on_dac	25	252900	252900	302410800	153195	0
HDN	NYISO.MHK VL_month_off_dac	25	200900	200900	240010800	152194	0
HDO	NYISO.MILLIKEN__2_month_on_dac	25	8280	8280	984960		0
HDP	NYISO.MILLIKEN__2_month_off_dac	25	8280	8280	984960		0
HDQ	NYISO.MILLWD_month_on_dac	25	234483	234483	28085796	159201	0
HDR	NYISO.MILLWD_month_off_dac	25	188396	188396	22564752	158200	0
HDS	NYISO.N.E._GEN_SANDY PD_month_on_dac	25	500	500	6000	284305	0
HDT	NYISO.N.E._GEN_SANDY PD_month_off_dac	25	500	500	6000	282306	0
HDU	NYISO.N.Y.C._month_on_dac	25	1905	1905	22860	169211	0
HDV	NYISO.N.Y.C._month_off_dac	25	13661346	13661346	1639216152	168210	0
HDW	NYISO.NARROWS_GT1_6_month_on_dac	25	88	88	1056	299321	0
HDX	NYISO.NARROWS_GT1_6_month_off_dac	25	88	88	1056	300322	0
HDY	NYISO.NEG NORTH_FLCN_SEA_month_on_dac	25	7271	7271	864852		0
HDZ	NYISO.NEG NORTH_FLCN_SEA_month_off_dac	25	7271	7271	864852		0
HEA	NYISO.NEG WEST_LEA_LOCKPORT_month_on_dac	25	55	55	660	315341	0
HEB	NYISO.NEG WEST_LEA_LOCKPORT_month_off_dac	25	55	55	660	316342	0
HEC	NYISO.NEVERSINK__HYD_month_on_dac	25	6	6	72		0
HED	NYISO.NEVERSINK__HYD_month_off_dac	25	6	6	72		0
HEE	NYISO.NIAGARA__month_on_dac	25	607	607	7284		0
HEF	NYISO.NIAGARA__month_off_dac	25	607	607	7284		0
HEG	NYISO.NINE_MILE_1_month_on_dac	25	475510	475510	57006120	304323	0
HEH	NYISO.NINE_MILE_1_month_off_dac	25	475510	475510	57006120	302327	0
HEI	NYISO.NORTH_month_on_dac	25	714	714	8568	173215	0
HEJ	NYISO.NORTH_month_off_dac	25	538	538	6456	172214	0
HEK	NYISO.NORTHPORT__1_month_on_dac	25	391	391	4692	175217	0
HEL	NYISO.NORTHPORT__1_month_off_dac	25	391	391	4692	174216	0
HEM	NYISO.NORTHPORT__3_month_on_dac	25	391	391	4692	175217	0
HEN	NYISO.NORTHPORT__3_month_off_dac	25	391	391	4692	174216	0
HEO	NYISO.NYISO_LBMP_REFERENCE_month_on_dac	25	84667966	84667966	1015929559	2	0
HEP	NYISO.NYISO_LBMP_REFERENCE_month_off_dac	25	76057603	76057603	9126091236		0
HEQ	NYISO.NYPA__ASTORIA_CC1_month_on_dac	25	144	144	1728	303328	0
HER	NYISO.NYPA__ASTORIA_CC1_month_off_dac	25	144	144	1728	304329	0
HES	NYISO.NYPA__HOLTSVILL_month_on_dac	25	142141	142141	17041692		0
HET	NYISO.NYPA__HOLTSVILL_month_off_dac	25	142141	142141	17041692		0
HEU	NYISO.NYPA_BRENTWD__GT_month_on_dac	25	1311	1311	156132		0

HEV	NYISO.NYPA_BRENTWD____GT_month_of f_dac	25	1311	1311	156132		0
HEW	NYISO.NYPA_GOWANUS____GT5_month_ on_dac	25	25183	25183	3002196	305330	0
HEX	NYISO.NYPA_GOWANUS____GT5_month_ off_dac	25	25183	25183	3002196	306331	0
HEY	NYISO.NYPA_POUCH1____GT_month_on_ dac	25	1311	1311	156132		0
HEZ	NYISO.NYPA_POUCH1____GT_month_off_ dac	25	1311	1311	156132		0
HFA	NYISO.NYPA_VERNON____GT2_month_on_ dac	25	2523	2523	300276		0
HFB	NYISO.NYPA_VERNON____GT2_month_off_ dac	25	2523	2523	300276		0
HFC	NYISO.O.H._GEN_BRUCE_month_on_dac	25	15751631	15751631	1890019572		0
HFD	NYISO.O.H._GEN_BRUCE_month_off_dac	25	15751631	15751631	1890019572		0
HFE	NYISO.OSWEGO__5_month_on_dac	25	451	451	5412		0
HFF	NYISO.OSWEGO__5_month_off_dac	25	451	451	5412		0
HFG	NYISO.PINELAWN_CC_1_month_on_dac	25	2420	2420	252240		0
HFH	NYISO.PINELAWN_CC_1_month_off_dac	25	2420	2420	252240		0
HFI	NYISO.PJM_GEN_KEYSTONE_month_on_da c	25	474470	474470	56525640		0
HFJ	NYISO.PJM_GEN_KEYSTONE_month_off_da c	25	474470	474470	56525640		0
HFK	NYISO.PLEASANTVLY__LBMP_month_on_ dac	25	410464	410464	49205568		0
HFL	NYISO.PLEASANTVLY__LBMP_month_off_ dac	25	410464	410464	49205568		0
HFM	NYISO.PORT_JEFF_3_month_on_dac	25	125124	125124	15001488		0
HFN	NYISO.PORT_JEFF_3_month_off_dac	25	125124	125124	15001488		0
HFO	NYISO.RAVENSWOOD__1_month_on_dac	25	656536	656536	78726432	197251	0
HFP	NYISO.RAVENSWOOD__1_month_off_dac	25	656536	656536	78726432	196250	0
HFQ	NYISO.RAVENSWOOD__2_month_on_dac	25	656536	656536	78726432	197251	0
HFR	NYISO.RAVENSWOOD__2_month_off_dac	25	656536	656536	78726432	196250	0
HFS	NYISO.RAVENSWOOD__3_month_on_dac	25	656536	656536	78726432	197251	0
HFT	NYISO.RAVENSWOOD__3_month_off_dac	25	656536	656536	78726432	196250	0
HFU	NYISO.RAVENSWOOD__4_month_on_dac	25	656536	656536	78726432	197251	0
HFV	NYISO.RAVENSWOOD__4_month_off_dac	25	656536	656536	78726432	196250	0
HFW	NYISO.RENSSELAER__COGEN_month_on_ dac	25	2624	2624	312288		0
HFX	NYISO.RENSSELAER__COGEN_month_off_ dac	25	2624	2624	312288		0
HFY	NYISO.ROSETON__1_month_on_dac	25	311310	311310	37323720		0
HFZ	NYISO.ROSETON__1_month_off_dac	25	311310	311310	37323720		0
HGA	NYISO.SELKIRK__I_month_on_dac	25	112111	112111	13321344		0
HGB	NYISO.SELKIRK__I_month_off_dac	25	112111	112111	13321344		0
HGC	NYISO.SITHE__INDEPEND_month_on_dac	25	272271	272271	32523264		0
HGD	NYISO.SITHE__INDEPEND_month_off_dac	25	272271	272271	32523264		0
HGE	NYISO.SITHE__MASSENA_month_on_dac	25	2625	2625	312300		0
HGF	NYISO.SITHE__MASSENA_month_off_dac	25	2625	2625	312300		0

HGG	NYISO.ST LAWRENCE____month_on_dac	25	272228	272228	32642736		0
HGH	NYISO.ST LAWRENCE____month_off_dac	25	272228	272228	32642736		0
HGI	NYISO.STEEL___WIND_month_on_dac	25	5	5	60		0
HGJ	NYISO.STEEL___WIND_month_off_dac	25	5	5	60		0
HGK	NYISO.UPPER RAQUET___HYD_month_on_dac	25	25	25	300		0
HGL	NYISO.UPPER RAQUET___HYD_month_off_dac	25	25	25	300		0
HGM	NYISO.WADING RIVER_IC_1_month_on_dac	25	6059	6059	720708		0
HGN	NYISO.WADING RIVER_IC_1_month_off_dac	25	6059	6059	720708		0
HGO	NYISO.WEST_month_on_dac	25	3810	3810	45720	234285	0
HGP	NYISO.WEST_month_off_dac	25	1051	1051	12612	230284	0
HGQ	NYISO.WEST BABYLON___IC_month_on_dac	25	13	13	156		0
HGR	NYISO.WEST BABYLON___IC_month_off_dac	25	13	13	156		0
HGS	NYISO.WETHRSFD_WT_PWR_month_on_dac	25	3231	3231	384372		0
HGT	NYISO.WETHRSFD_WT_PWR_month_off_dac	25	3231	3231	384372		0
HGU	NYISO.MARBLE_RIVER_WT_PWR_month_on_dac	25	5453	5453	648636		0
HGV	NYISO.MARBLE_RIVER_WT_PWR_month_off_dac	25	5453	5453	648636		0
HHO	NYISO.CAPITL_month_on_dac	25	516	516	6192	5481	0
HHP	NYISO.CAPITL_month_off_dac	25	513	513	6156	5080	0
HHQ	NYISO.59TH STREET_GT_1_month_on_dac	25	4	4	48		0
HHR	NYISO.59TH STREET_GT_1_month_off_dac	25	4	4	48		0
HHS	NYISO.AMERICAN_REF_FUEL_month_on_dac	25	1312	1312	156144		0
HHT	NYISO.AMERICAN_REF_FUEL_month_off_dac	25	1312	1312	156144		0
HHU	NYISO.BETHLEHEM___GS3_month_on_dac	25	223	223	2676		0
HHV	NYISO.BETHLEHEM___GS3_month_off_dac	25	223	223	2676		0
HHW	NYISO.COXSACKIE___GT_month_on_dac	25	65	65	7260		0
HHX	NYISO.COXSACKIE___GT_month_off_dac	25	65	65	7260		0
HHY	NYISO.E_CANADA_CAP_HY_month_on_dac	25	6	6	72		0
HHZ	NYISO.E_CANADA_CAP_HY_month_off_dac	25	6	6	72		0
HIA	NYISO.FORT ORANGE____month_on_dac	25	18	18	216		0
HIB	NYISO.FORT ORANGE____month_off_dac	25	18	18	216		0
HIC	NYISO.FORT_DRUM_COGEN_month_on_dac	25	1513	1513	180156		0
HID	NYISO.FORT_DRUM_COGEN_month_off_dac	25	1513	1513	180156		0
HIE	NYISO.HUDSON AVE_GT_4_month_on_dac	25	1227	1227	144324		0
HIF	NYISO.HUDSON AVE_GT_4_month_off_dac	25	1227	1227	144324		0
HIG	NYISO.INDECK___OLEAN_month_on_dac	25	2322	2322	276264		0
HIH	NYISO.INDECK___OLEAN_month_off_dac	25	2322	2322	276264		0
HII	NYISO.INDIAN POINT_GT_2_month_on_dac	25	325324	325324	39003888	120158	0

HIJ	NYISO.INDIAN POINT_GT_2_month_off_dac	25	325324	325324	39003888	419157	0
HIK	NYISO.MILLSEAT___LFGE_month_on_dac	25	21	21	2412		0
HIL	NYISO.MILLSEAT___LFGE_month_off_dac	25	21	21	2412		0
HIM	NYISO.NYPA_____HELLGATE_GT2_month_on_dac	25	2523	2523	300276		0
HIN	NYISO.NYPA_____HELLGATE_GT2_month_off_dac	25	2523	2523	300276		0
HIO	NYISO.NYPA_HARLEM_RVR_GT2_month_on_dac	25	2523	2523	300276		0
HIP	NYISO.NYPA_HARLEM_RVR_GT2_month_off_dac	25	2523	2523	300276		0
HIQ	NYISO.STATION5_MISC_HYD_month_on_dac	25	1814	1814	216168		0
HIR	NYISO.STATION5_MISC_HYD_month_off_dac	25	1814	1814	216168		0
HIS	PJM.FRACKVIL69KVGLBNUG_month_on_dac	25	22	22	264		0
HIT	PJM.FRACKVIL69KVGLBNUG_month_off_dac	25	22	22	264		0
HIU	PJM.MOUN ME13 KVGEN#1_month_on_dac	25	13	13	156		0
HIV	PJM.MOUN ME13 KVGEN#1_month_off_dac	25	13	13	156		0
HIW	PJM.196 KATY34.5KVTCROPWF_month_on_dac	25	7550	7550	900600		0
HIX	PJM.196 KATY34.5KVTCROPWF_month_off_dac	25	7550	7550	900600		0
HIY	PJM.989 TWIN34.5KVHTRAILWF_month_on_dac	25	5049	5049	600588		0
HIZ	PJM.989 TWIN34.5KVHTRAILWF_month_off_dac	25	5049	5049	600588		0
HJA	PJM.MEADOWLK34.5KVMEDWLKWF_month_on_dac	25	5049	5049	600588		0
HJB	PJM.MEADOWLK34.5KVMEDWLKWF_month_off_dac	25	5049	5049	600588		0
HJE	PJM.SRIVER230 KVNUG GE_month_on_dac	25	65115	65115	7801380	209263	0
HJF	PJM.SRIVER230 KVNUG GE_month_off_dac	25	65115	65115	7801380	209262	0
HJK	PJM.DAVISBES25 KVDB10_month_on_dac	25	231	231	2772		0
HJL	PJM.DAVISBES25 KVDB10_month_off_dac	25	231	231	2772		0
HJM	PJM.MANSFIEL17 KVUN1_month_on_dac	25	685	685	8220		0
HJN	PJM.MANSFIEL17 KVUN1_month_off_dac	25	685	685	8220		0
HJQ	PJM.SPRINGDA18 KVCT3_month_on_dac	25	139	139	1668	320346	0
HJR	PJM.SPRINGDA18 KVCT3_month_off_dac	25	139	139	1668	324347	0
HJY	MISO_RTO.AMMO.GOOSEGEN1_month_on_dac	25	413112	413112	43561344		0
HJZ	MISO_RTO.AMMO.GOOSEGEN1_month_off_dac	25	413112	413112	43561344		0
HKC	MISO_RTO.AMIL.STWF_month_on_dac	25	3837	3837	456444		0
HKD	MISO_RTO.AMIL.STWF_month_off_dac	25	3837	3837	456444		0
HKG	MISO_RTO.NIPS.IMPA_1.AZ_month_on_dac	25	516607	516607	61927284	174213	0
HKH	MISO_RTO.NIPS.IMPA_1.AZ_month_off_dac	25	426516	426516	51126192	170212	0
HKK	MISO_RTO.NIPS.NORWAPNOR_month_on_dac	25	1	1	12		0
HKL	MISO_RTO.NIPS.NORWAPNOR_month_off_dac	25	1	1	12		0

HKO	MISO_RTO.NIPS.OAKDAPOAK_month_on_d ac	25	21	21	2412		0
HKP	MISO_RTO.NIPS.OAKDAPOAK_month_off_d ac	25	21	21	2412		0
HKU	CAISO.TH_NP15_GEN- APND_month_on_dac	25	47074762	47074762	5648457144	215269	0
HKV	CAISO.TH_NP15_GEN- APND_month_off_dac	25	39644688	39644688	4753256256	214268	0
HKW	CAISO.TH_SP15_GEN-APND_month_on_dac	25	69347143	69347143	8320885716	217271	0
HKX	CAISO.TH_SP15_GEN- APND_month_off_dac	25	60707422	60707422	7284089064	216270	0
HKY	CAISO.TH_ZP26_GEN-APND_month_on_dac	25	5881297	5881297	705615564	219273	0
HKZ	CAISO.TH_ZP26_GEN- APND_month_off_dac	25	4951235	4951235	594014820	218272	0
HLA	CAISO.DLAP_PGAE-APND_month_on_dac	25	32613041	32613041	3913236492	78112	0
HLB	CAISO.DLAP_PGAE-APND_month_off_dac	25	27052620	27052620	3246031440	77111	0
HLC	CAISO.DLAP_SCE-APND_month_on_dac	25	33033126	33033126	3963637512	80114	0
HLD	CAISO.DLAP_SCE-APND_month_off_dac	25	26292586	26292586	3154831032	79113	0
HLE	CAISO.DLAP_SDGE-APND_month_on_dac	25	669591	669591	80287092	82116	0
HLF	CAISO.DLAP_SDGE-APND_month_off_dac	25	515507	515507	61806084	81115	0
HLG	CAISO.CAPTJACK_5_N015_month_on_dac	25	957961	957961	1148411532		0
HLH	CAISO.CAPTJACK_5_N015_month_off_dac	25	957961	957961	1148411532		0
HLI	CAISO.DEVERS_2_B2_month_on_dac	25	7421303	7421303	890415636		0
HLJ	CAISO.DEVERS_2_B2_month_off_dac	25	7421303	7421303	890415636		0
HLM	CAISO.IMPRLVLY_2_B2_month_on_dac	25	9071128	9071128	1088413536		0
HLN	CAISO.IMPRLVLY_2_B2_month_off_dac	25	9071128	9071128	1088413536		0
HLO	CAISO.INTERM1G_7_N501_month_on_dac	25	182202	182202	21842424		0
HLP	CAISO.INTERM1G_7_N501_month_off_dac	25	182202	182202	21842424		0
HLQ	CAISO.MALIN_5_N101_month_on_dac	25	767745	767745	92048940		0
HLR	CAISO.MALIN_5_N101_month_off_dac	25	767745	767745	92048940		0
HLS	CAISO.MARKETPL_5_N501_month_on_dac	25	154156	154156	18721812		0
HLT	CAISO.MARKETPL_5_N501_month_off_dac	25	154156	154156	18721812		0
HLU	CAISO.MEADS_2_N101_month_on_dac	25	465404	465404	55804848		0
HLV	CAISO.MEADS_2_N101_month_off_dac	25	465404	465404	55804848		0
HLY	CAISO.MIDWAY_5_B1_month_on_dac	25	10002268	10002268	1200027216		0
HLZ	CAISO.MIDWAY_5_B1_month_off_dac	25	10002268	10002268	1200027216		0
HMA	CAISO.MISSION_2_N035_month_on_dac	25	21	21	2412		0
HMB	CAISO.MISSION_2_N035_month_off_dac	25	21	21	2412		0
HMC	CAISO.MISSON_1_N015_month_on_dac	25	111	111	12132		0
HMD	CAISO.MISSON_1_N015_month_off_dac	25	111	111	12132		0
HMI	CAISO.POD_MOSSLD_2_PSP2- APND_month_on_dac	25	633775	633775	75969300		0
HMJ	CAISO.POD_MOSSLD_2_PSP2- APND_month_off_dac	25	633775	633775	75969300		0
HMK	CAISO.PALOVRDE_ASR- APND_month_on_dac	25	832907	832907	998410884	184223	0
HML	CAISO.PALOVRDE_ASR- APND_month_off_dac	25	832907	832907	998410884	180222	0

HMM	CAISO.POD_DIABLO_7_UNIT 2- APND_month_on_dac	25	560580	560580	67206960		0
HMN	CAISO.POD_DIABLO_7_UNIT 2- APND_month_off_dac	25	560580	560580	67206960		0
HMQ	CAISO.ROA-230_2_N101_month_on_dac	25	200	200	2400	201	0
HMR	CAISO.ROA-230_2_N101_month_off_dac	25	200	200	2400	200	0
HMS	CAISO.SLAP_PGHB-APND_month_on_dac	25	3222	3222	384264	78	0
HMT	CAISO.SLAP_PGHB-APND_month_off_dac	25	2719	2719	324228	77	0
HMU	CAISO.SLVRPS2_7_N001_month_on_dac	25	4	4	48		0
HMV	CAISO.SLVRPS2_7_N001_month_off_dac	25	4	4	48		0
HMW	CAISO.SMDA_ASR-APND_month_on_dac	25	957961	957961	1148411532		0
HMX	CAISO.SMDA_ASR-APND_month_off_dac	25	957961	957961	1148411532		0
HMY	CAISO.SONOFR2_7_B1_month_on_dac	25	562563	562563	67446756		0
HMZ	CAISO.SONOFR2_7_B1_month_off_dac	25	562563	562563	67446756		0
HNA	CAISO.SYLMARDC_2_N501_month_on_dac	25	305384	305384	46083660		0
HNB	CAISO.SYLMARDC_2_N501_month_off_dac	25	305384	305384	36604608		0
HNE	CAISO.TJI-230_2_N101_month_on_dac	25	200	200	2400	201	0
HNF	CAISO.TJI-230_2_N101_month_off_dac	25	200	200	2400	200	0
HNG	CAISO.VICTORVL_5_N101_month_on_dac	25	600	600	7200		0
HNH	CAISO.VICTORVL_5_N101_month_off_dac	25	600	600	7200		0
HNI	CAISO.VINCENT_5_B2_month_on_dac	25	10001649	10001649	1200019788		0
HNJ	CAISO.VINCENT_5_B2_month_off_dac	25	10001649	10001649	1200019788		0
HNK	CAISO.WESTWING_5_N501_month_on_dac	25	4547	4547	540564		0
HNL	CAISO.WESTWING_5_N501_month_off_dac	25	4547	4547	540564		0
HNO	CAISO.MCCULLGH_5_N101_month_on_dac	25	650649	650649	78007788		0
HNP	CAISO.MCCULLGH_5_N101_month_off_dac	25	650649	650649	78007788		0
HNS	CAISO.VALLEYSC_1_N013_month_on_dac	25	1	1	12		0
HNT	CAISO.VALLEYSC_1_N013_month_off_dac	25	1	1	12		0
HNW	CAISO.MCSWAIN_6_N001_month_on_dac	25	2	2	24		0
HNX	CAISO.MCSWAIN_6_N001_month_off_dac	25	2	2	24		0
HOE	CAISO.CAPTJACK_5_N512_month_on_dac	25	87	87	9684	53	0
HOF	CAISO.CAPTJACK_5_N512_month_off_dac	25	87	87	9684	52	0
HOI	CAISO.POD_EXCHEC_7_UNIT 1- APND_month_on_dac	25	1823	1823	216276		0
HOJ	CAISO.POD_EXCHEC_7_UNIT 1- APND_month_off_dac	25	1823	1823	216276		0
HOM	CAISO.SUMMIT_ASR-APND_month_on_dac	25	1511	1511	180132		0
HON	CAISO.SUMMIT_ASR-APND_month_off_dac	25	1511	1511	180132		0
HOQ	CAISO.MEAD_5_N501_month_on_dac	25	311293	311293	37323516		0
HOR	CAISO.MEAD_5_N501_month_off_dac	25	311293	311293	37323516		0
HOU	CAISO.SMDH_ASR-APND_month_on_dac	25	87	87	9684	53	0
HOV	CAISO.SMDH_ASR-APND_month_off_dac	25	87	87	9684	52	0
HPA	MISO.WR_month_on_dap	25	4041	4041	480492		0
HPB	MISO.WR_month_off_dap	25	4041	4041	480492		0

HPE	ISONE..H.INTERNAL_HUB_month_on_dac	25	68347143	68347143	8200885716	2	0
HPF	ISONE..H.INTERNAL_HUB_month_off_dac	25	56955769	56955769	6834069228	1	0
HPG	ISONE..Z.CONNECTICUT_month_on_dac	25	10341253	10341253	1240815036	4	0
HPH	ISONE..Z.CONNECTICUT_month_off_dac	25	8001001	8001001	960012012	3	0
HPI	ISONE..Z.MAINE_month_on_dac	25	386405	386405	46324860	6	0
HPJ	ISONE..Z.MAINE_month_off_dac	25	316321	316321	37923852	5	0
HPK	ISONE..Z.NEMASSBOST_month_on_dac	25	838	838	10056	8	0
HPL	ISONE..Z.NEMASSBOST_month_off_dac	25	656	656	7872	7	0
HPM	ISONE..Z.NEWHAMPSHIRE_month_on_dac	25	532559	532559	63846708	10	0
HPN	ISONE..Z.NEWHAMPSHIRE_month_off_dac	25	410444	410444	49205328	9	0
HPO	ISONE..Z.RHODEISLAND_month_on_dac	25	346500	346500	41526000	12	0
HPP	ISONE..Z.RHODEISLAND_month_off_dac	25	268500	268500	32166000	11	0
HPQ	ISONE..Z.SEMASS_month_on_dac	25	492536	492536	59046432	14	0
HPR	ISONE..Z.SEMASS_month_off_dac	25	382391	382391	45844692	13	0
HPS	ISONE..Z.VERMONT_month_on_dac	25	185157	185157	22201884	16	0
HPT	ISONE..Z.VERMONT_month_off_dac	25	150137	150137	18001644	15	0
HPU	ISONE..Z.WCMASS_month_on_dac	25	574619	574619	68887428	18	0
HPV	ISONE..Z.WCMASS_month_off_dac	25	447458	447458	53645496	17	0
HPW	ISONE.UN.SEABROOK24.5SBRK_month_on_dac	25	311310	311310	37323720		0
HPX	ISONE.UN.SEABROOK24.5SBRK_month_off_dac	25	311310	311310	37323720		0
HPY	ISONE.LD.SANDY_PD345 SMDINTLD_month_on_dac	25	500	500	6000		0
HPZ	ISONE.LD.SANDY_PD345 SMDINTLD_month_off_dac	25	500	500	6000		0
HQA	ISONE.UN.MYSTIC 18.1MYS8_month_on_dac	25	594711	594711	71288532		0
HQB	ISONE.UN.MYSTIC 18.1MYS8_month_off_dac	25	594711	594711	71288532		0
HQS	PJM.DEK_month_on_dap	25	125127	125127	15001524	74106	0
HQT	PJM.DEK_month_off_dap	25	103107	103107	12361284	73105	0
HQU	PJM.DEK_month_on_dac	25	125127	125127	15001524	74106	0
HQV	PJM.DEK_month_off_dac	25	103107	103107	12361284	73105	0
HQW	PJM.EBEND20 KVEB2_month_on_dap	25	167193	167193	20042316	378398	0
HQX	PJM.EBEND20 KVEB2_month_off_dap	25	167193	167193	20042316	379399	0
HQY	PJM.EBEND20 KVEB2_month_on_dac	25	167193	167193	20042316	378398	0
HQZ	PJM.EBEND20 KVEB2_month_off_dac	25	167193	167193	20042316	379399	0
HRA	PJM.MIAMIFOR18 KVG6_month_on_dap	25	336361	336361	40324332	155197	0
HRB	PJM.MIAMIFOR18 KVG6_month_off_dap	25	336361	336361	40324332	154196	0
HRC	PJM.MIAMIFOR18 KVG6_month_on_dac	25	336361	336361	40324332	155197	0
HRD	PJM.MIAMIFOR18 KVG6_month_off_dac	25	336361	336361	40324332	154196	0
HRE	PJM.WOODSDAL13.5 KVCT1_month_on_dap	25	122142	122142	14641704	236290	0
HRF	PJM.WOODSDAL13.5 KVCT1_month_off_dap	25	122142	122142	14641704	235289	0
HRG	PJM.WOODSDAL13.5 KVCT1_month_on_dac	25	122142	122142	14641704	236290	0

HRH	PJM.WOODSDAL13.5 KVCT1_month_off_dac	25	122142	122142	44641704	235289	0
HRI	MISO_RTO.AMIL.BALDWI52_month_on_dac	25	440300	440300	52803600	3349	0
HRJ	MISO_RTO.AMIL.BALDWI52_month_off_dac	25	440300	440300	52803600	3248	0
HRM	PJM.MUDDYRN13 KVUNIT1_month_on_dac	25	200268	200268	32162400		0
HRN	PJM.MUDDYRN13 KVUNIT1_month_off_dac	25	200268	200268	32162400		0
HRO	PJM.SAFEHARB13 KVUNIT1_month_on_dac	25	104	104	1248	203259	0
HRP	PJM.SAFEHARB13 KVUNIT1_month_off_dac	25	104	104	1248	202258	0
HRQ	PJM.SAFEHARB13 KVUNIT8_month_on_dac	25	104	104	1248	203259	0
HRR	PJM.SAFEHARB13 KVUNIT8_month_off_dac	25	104	104	1248	202258	0
HRS	ERCOT.LZ_LCRA_month_on_rtp	25	524458	524458	62885496		0
HRT	ERCOT.LZ_LCRA_month_off_rtp	25	435392	435392	52204704		0
HRU	MISO_RTO.AMIL.IP.AZ_month_on_dac	25	16661435	16661435	1999217220	31	0
HRV	MISO_RTO.AMIL.IP.AZ_month_off_dac	25	13751221	13751221	1650014652	30	0
HSM	PJM.DOMINION HUB_month_on_dac	25	1327813200	1327813200	159336158400	86122	0
HSN	PJM.DOMINION HUB_month_off_dac	25	1240012966	1240012966	148800155592	85121	0
HSO	PJM.PEACHBOT22 KVUNIT03_month_on_dac	25	576719	576719	69128628	183225	0
HSP	PJM.PEACHBOT22 KVUNIT03_month_off_dac	25	576719	576719	69128628	182224	0
HSQ	PJM.55 HEGEW138 KVCIDGRF_month_on_dac	25	21	21	2412		0
HSR	PJM.55 HEGEW138 KVCIDGRF_month_off_dac	25	21	21	2412		0
HSS	PJM.945 CRET13.5 KVCT-1_month_on_dac	25	8789	8789	10441068		0
HST	PJM.945 CRET13.5 KVCT-1_month_off_dac	25	8789	8789	10441068		0
HSU	PJM.ZIMMER225 KVZM1_A_month_on_dac	25	357356	357356	4284272		0
HSV	PJM.ZIMMER225 KVZM1_A_month_off_dac	25	357356	357356	4284272		0
HTK	PJM.AVONLAK220 KVUN9_month_on_dac	25	199218	199218	26162388	4573	0
HTL	PJM.AVONLAK220 KVUN9_month_off_dac	25	199218	199218	26162388	4472	0
HTM	PJM.CHALKPT20 KVCHLKG1_month_on_dac	25	662638	662638	79447656		0
HTN	PJM.CHALKPT20 KVCHLKG1_month_off_dac	25	662638	662638	79447656		0
HTO	PJM.DICKERSO13 KVSTADG1_month_on_dac	25	233	233	2796		0
HTP	PJM.DICKERSO13 KVSTADG1_month_off_dac	25	233	233	2796		0
HTQ	PJM.DPL SOUTH_month_on_dac	25	349331	349331	39724188	88	0
HTR	PJM.DPL SOUTH_month_off_dac	25	291282	291282	33843492	87	0
HTS	PJM.HUNTERST22 KVST401_month_on_dac	25	240224	240224	28802688		0
HTT	PJM.HUNTERST22 KVST401_month_off_dac	25	240224	240224	28802688		0
HTU	PJM.MORGANTO23 KVUNIT02_month_on_dac	25	387	387	4644		0
HTV	PJM.MORGANTO23 KVUNIT02_month_off_dac	25	387	387	4644		0
HTW	PJM.SEWARD22 KVUNIT1_month_on_dac	25	146200	146200	24001752		0
HTX	PJM.SEWARD22 KVUNIT1_month_off_dac	25	146200	146200	24001752		0

HTY	PJM.SHAWVILL18 KVUNIT 1_month_on_dac	25	158	158	1896	<u>205261</u>	0
HTZ	PJM.SHAWVILL18 KVUNIT 1_month_off_dac	25	158	158	1896	<u>204260</u>	0
HUA	PJM.SHAWVILL22 KVUNIT 3_month_on_dac	25	158	158	1896	<u>205261</u>	0
HUB	PJM.SHAWVILL22 KVUNIT 3_month_off_dac	25	158	158	1896	<u>204260</u>	0
HUC	MISO.WPS.WPSM_month_on_rtp	25	<u>443387</u>	<u>443387</u>	<u>53164644</u>		0
HUD	MISO.WPS.WPSM_month_off_rtp	25	<u>366329</u>	<u>366329</u>	<u>43923948</u>		0
HUE	CAISO.ELCENTRO_2_N001_month_on_dac	25	<u>6088</u>	<u>6088</u>	<u>7201056</u>		0
HUF	CAISO.ELCENTRO_2_N001_month_off_dac	25	<u>6088</u>	<u>6088</u>	<u>7201056</u>		0
HUG	MISO_RTO.MOGEN1.AGG_month_on_dac	25	<u>14431176</u>	<u>14431176</u>	<u>1731614112</u>	<u>3552</u>	0
HUH	MISO_RTO.MOGEN1.AGG_month_off_dac	25	<u>11911001</u>	<u>11911001</u>	<u>1429212012</u>	<u>3451</u>	0
HUI	ERCOT.LEG_LEG_G2_month_on_rtp	25	<u>422415</u>	<u>422415</u>	<u>50644980</u>		0
HUJ	ERCOT.LEG_LEG_G2_month_off_rtp	25	<u>422415</u>	<u>422415</u>	<u>50644980</u>		0
HUK	ERCOT.LEG_LEG_G2_month_on_dap	25	<u>422415</u>	<u>422415</u>	<u>50644980</u>	<u>130170</u>	0
HUL	ERCOT.LEG_LEG_G2_month_off_dap	25	<u>422415</u>	<u>422415</u>	<u>50644980</u>	<u>129169</u>	0
HUM	ERCOT.STP_STP_G1_month_on_rtp	25	<u>688643</u>	<u>688643</u>	<u>82567716</u>		0
HUN	ERCOT.STP_STP_G1_month_off_rtp	25	<u>688643</u>	<u>688643</u>	<u>82567716</u>		0
HUO	ERCOT.STP_STP_G1_month_on_dap	25	<u>688643</u>	<u>688643</u>	<u>82567716</u>		0
HUP	ERCOT.STP_STP_G1_month_off_dap	25	<u>688643</u>	<u>688643</u>	<u>82567716</u>		0
HUQ	ERCOT.WAP_WAP_G5_month_on_rtp	25	<u>913908</u>	<u>913908</u>	<u>1095610896</u>	<u>227281</u>	0
HUR	ERCOT.WAP_WAP_G5_month_off_rtp	25	<u>913908</u>	<u>913908</u>	<u>1095610896</u>	<u>226280</u>	0
HUS	ERCOT.WAP_WAP_G5_month_on_dap	25	<u>913908</u>	<u>913908</u>	<u>1095610896</u>	<u>225279</u>	0
HUT	ERCOT.WAP_WAP_G5_month_off_dap	25	<u>913908</u>	<u>913908</u>	<u>1095610896</u>	<u>224278</u>	0
HUU	ERCOT.WAP_WAP_G8_month_on_rtp	25	<u>913908</u>	<u>913908</u>	<u>1095610896</u>	<u>227281</u>	0
HUV	ERCOT.WAP_WAP_G8_month_off_rtp	25	<u>913908</u>	<u>913908</u>	<u>1095610896</u>	<u>226280</u>	0
HUW	ERCOT.WAP_WAP_G8_month_on_dap	25	<u>913908</u>	<u>913908</u>	<u>1095610896</u>	<u>225279</u>	0
HUX	ERCOT.WAP_WAP_G8_month_off_dap	25	<u>913908</u>	<u>913908</u>	<u>1095610896</u>	<u>224278</u>	0
HVS	ERCOT.LZ_CPS_month_on_rtp	25	<u>980789</u>	<u>980789</u>	<u>117609468</u>		0
HVT	ERCOT.LZ_CPS_month_off_rtp	25	<u>814676</u>	<u>814676</u>	<u>97688112</u>		0
HXM	PJM.AEP-DAYTON HUB_month_7x8_rtp	25	<u>65355441</u>	<u>65355441</u>	<u>7842065292</u>	<u>2737</u>	0
HXN	PJM.AEP-DAYTON HUB_month_2x16_rtp	25	<u>70316535</u>	<u>70316535</u>	<u>8437278420</u>	<u>27419</u>	0
HXO	PJM.AEP-DAYTON HUB_month_7x8_dap	25	<u>65355441</u>	<u>65355441</u>	<u>7842065292</u>	<u>2535</u>	0
HXP	PJM.AEP-DAYTON HUB_month_2x16_dap	25	<u>70316535</u>	<u>70316535</u>	<u>8437278420</u>	<u>2536</u>	0
HYE	MISO_RTO.LOUISIANA.HUB_month_on_dac	25	4122	4122	49464	<u>254298</u>	0
HYF	MISO_RTO.LOUISIANA.HUB_month_off_dac	25	3600	3600	43200	<u>270301</u>	0
HYG	MISO_RTO.ARKANSAS.HUB_month_on_dac	25	6346	6346	76152	<u>243297</u>	0
HYH	MISO_RTO.ARKANSAS.HUB_month_off_dac	25	5542	5542	66504	<u>259300</u>	0
HYI	MISO_RTO.TEXAS.HUB_month_on_dac	25	3473	3473	41676	<u>258299</u>	0
HYJ	MISO_RTO.TEXAS.HUB_month_off_dac	25	3033	3033	36396	<u>274302</u>	0
HYI	MISO.LOUISIANA.HUB_month_on_dap	25	4122	4122	49464	<u>254298</u>	0
HYZ	MISO.LOUISIANA.HUB_month_off_dap	25	3600	3600	43200	<u>270301</u>	0
HZA	MISO.ARKANSAS.HUB_month_on_dap	25	6346	6346	76152	<u>243297</u>	0

HZB	MISO.ARKANSAS.HUB_month_off_dap	25	5542	5542	66504	259300	0
HZC	MISO.TEXAS.HUB_month_on_dap	25	3473	3473	41676	258299	0
HZD	MISO.TEXAS.HUB_month_off_dap	25	3033	3033	36396	274302	0
HZS	MISO.LOUISIANA.HUB_month_on_rtp	25	4122	4122	49464		0
HZT	MISO.LOUISIANA.HUB_month_off_rtp	25	3600	3600	43200		0
HZU	MISO.ARKANSAS.HUB_month_on_rtp	25	6346	6346	76152		0
HZV	MISO.ARKANSAS.HUB_month_off_rtp	25	5542	5542	66504		0
HZW	MISO.TEXAS.HUB_month_on_rtp	25	3473	3473	41676		0
HZX	MISO.TEXAS.HUB_month_off_rtp	25	3033	3033	36396		0
IBW	PJM.21 KINCA20 KVKN-1_month_on_dac	25	330329	330329	39603948		0
IBX	PJM.21 KINCA20 KVKN-1_month_off_dac	25	330329	330329	39603948		0
IBY	PJM.29 JOLIE24 KVJO-7_month_on_dac	25	330	330	3960		0
IBZ	PJM.29 JOLIE24 KVJO-7_month_off_dac	25	330	330	3960		0
ICA	PJM.3 POWER24 KVPO-5_month_on_dac	25	446	446	5352		0
ICB	PJM.3 POWER24 KVPO-5_month_off_dac	25	446	446	5352		0
ICC	ISONE..H.INTERNAL_HUB_month_7x8_dap	25	48445769	48445769	5773269228	1	0
ICD	ISONE..H.INTERNAL_HUB_month_2x16_dap	25	56957143	56957143	6834085716	42	0
LFE	PJM.AECO_RESID_AGG_month_on_dac	25	329270	329270	39483240	2223	0
LFF	PJM.AECO_RESID_AGG_month_on_dap	25	329270	329270	39483240	2223	0
LFG	PJM.AECO_RESID_AGG_month_off_dac	25	273232	273232	32762784	21	0
LFH	PJM.AECO_RESID_AGG_month_off_dap	25	273232	273232	32762784	21	0
LFI	PJM.AEPAPCO_RESID_AGG_month_on_dac	25	13251397	13251397	1590016764	2432	0
LFJ	PJM.AEPAPCO_RESID_AGG_month_on_dap	25	13251397	13251397	1590016764	2432	0
LFK	PJM.AEPAPCO_RESID_AGG_month_off_dac	25	11201193	11201193	1344014316	2329	0
LFL	PJM.AEPAPCO_RESID_AGG_month_off_dap	25	11201193	11201193	1344014316	2329	0
LFM	PJM.AEPIM_RESID_AGG_month_on_dac	25	713752	713752	85569024	2431	0
LFN	PJM.AEPIM_RESID_AGG_month_on_dap	25	713752	713752	85569024	2431	0
LFO	PJM.AEPIM_RESID_AGG_month_off_dac	25	603642	603642	72367704	2325	0
LFP	PJM.AEPIM_RESID_AGG_month_off_dap	25	603642	603642	72367704	2325	0
LFQ	PJM.AEPKY_RESID_AGG_month_on_dac	25	233245	233245	27962940	2430	0
LFR	PJM.AEPKY_RESID_AGG_month_on_dap	25	233245	233245	27962940	2430	0
LFS	PJM.AEPKY_RESID_AGG_month_off_dac	25	197209	197209	23642508	2326	0
LFT	PJM.AEPKY_RESID_AGG_month_off_dap	25	197209	197209	23642508	2326	0
LFU	PJM.AEPOHIO_RESID_AGG_month_on_dac	25	18821985	18821985	2258423820	2434	0
LFV	PJM.AEPOHIO_RESID_AGG_month_on_dap	25	18821985	18821985	2258423820	2434	0
LFW	PJM.AEPOHIO_RESID_AGG_month_off_dac	25	15941695	15941695	1909220340	2327	0
LFX	PJM.AEPOHIO_RESID_AGG_month_off_dap	25	15941695	15941695	1909220340	2327	0
LFY	PJM.APS_RESID_AGG_month_on_dac	25	14781502	14781502	1773618024	3958	0
LFZ	PJM.APS_RESID_AGG_month_on_dap	25	14781502	14781502	1773618024	3958	0
LGA	PJM.APS_RESID_AGG_month_off_dac	25	12381288	12381288	1485615456	3857	0
LGB	PJM.APS_RESID_AGG_month_off_dap	25	12381288	12381288	1485615456	3857	0

LGC	PJM.BGE_RESID_AGG_month_on_dac	25	1064974	1064974	1273211688	4777	0
LGD	PJM.BGE_RESID_AGG_month_on_dap	25	1064974	1064974	1273211688	4777	0
LGE	PJM.BGE_RESID_AGG_month_off_dac	25	883826	883826	105969912	4674	0
LGF	PJM.BGE_RESID_AGG_month_off_dap	25	883826	883826	105969912	4674	0
LGG	PJM.COMED_RESID_AGG_month_on_dac	25	33194001	33194001	3982848012	5990	0
LGH	PJM.COMED_RESID_AGG_month_on_dap	25	33194001	33194001	3982848012	5990	0
LGI	PJM.COMED_RESID_AGG_month_off_dac	25	26643288	26643288	3196839456	5888	0
LGI	PJM.COMED_RESID_AGG_month_off_dap	25	26643288	26643288	3196839456	5888	0
LGK	PJM.DAY_RESID_AGG_month_on_dac	25	733555	733555	87966660	6598	0
LGL	PJM.DAY_RESID_AGG_month_on_dap	25	733555	733555	87966660	6598	0
LGM	PJM.DAY_RESID_AGG_month_off_dac	25	585449	585449	70205388	6497	0
LGN	PJM.DAY_RESID_AGG_month_off_dap	25	585449	585449	70205388	6497	0
LGO	PJM.DEOK_RESID_AGG_month_on_dac	25	721715	721715	86528580	76110	0
LGP	PJM.DEOK_RESID_AGG_month_on_dap	25	721715	721715	86528580	76110	0
LGQ	PJM.DEOK_RESID_AGG_month_off_dac	25	594600	594600	71287200	75108	0
LGR	PJM.DEOK_RESID_AGG_month_off_dap	25	594600	594600	71287200	75108	0
LGS	PJM.DOM_RESID_AGG_month_on_dac	25	29973132	29973132	3596437584	84119	0
LGT	PJM.DOM_RESID_AGG_month_on_dap	25	29973132	29973132	3596437584	84119	0
LGU	PJM.DOM_RESID_AGG_month_off_dac	25	24982700	24982700	2997632400	83118	0
LGV	PJM.DOM_RESID_AGG_month_off_dap	25	24982700	24982700	2997632400	83118	0
LGW	PJM.DPL_RESID_AGG_month_on_dac	25	402380	402380	48244560	88127	0
LGX	PJM.DPL_RESID_AGG_month_on_dap	25	402380	402380	48244560	88127	0
LGY	PJM.DPL_RESID_AGG_month_off_dac	25	335324	335324	40203888	87125	0
LGZ	PJM.DPL_RESID_AGG_month_off_dap	25	335324	335324	40203888	87125	0
LHA	PJM.DUQ_RESID_AGG_month_on_dac	25	473501	473501	56766012	92133	0
LHB	PJM.DUQ_RESID_AGG_month_on_dap	25	473501	473501	56766012	92133	0
LHC	PJM.DUQ_RESID_AGG_month_off_dac	25	388420	388420	46565040	91131	0
LHD	PJM.DUQ_RESID_AGG_month_off_dap	25	388420	388420	46565040	91131	0
LHM	PJM.JCPL_RESID_AGG_month_on_dac	25	764711	764711	91688532	126166	0
LHN	PJM.JCPL_RESID_AGG_month_on_dap	25	764711	764711	91688532	126166	0
LHO	PJM.JCPL_RESID_AGG_month_off_dac	25	596575	596575	71526900	125163	0
LHP	PJM.JCPL_RESID_AGG_month_off_dap	25	596575	596575	71526900	125163	0
LHQ	PJM.METED_RESID_AGG_month_on_dac	25	525686	525686	82326300	154193	0
LHR	PJM.METED_RESID_AGG_month_on_dap	25	525686	525686	82326300	154193	0
LHS	PJM.METED_RESID_AGG_month_off_dac	25	421561	421561	50526732	150191	0
LHT	PJM.METED_RESID_AGG_month_off_dap	25	421561	421561	50526732	150191	0
LHU	PJM.PECO_RESID_AGG_month_on_dac	25	14252189	14252189	1740026268	185229	0
LHV	PJM.PECO_RESID_AGG_month_on_dap	25	14252189	14252189	1740026268	185229	0
LHW	PJM.PECO_RESID_AGG_month_off_dac	25	11651815	11651815	1398021780	184227	0
LHX	PJM.PECO_RESID_AGG_month_off_dap	25	11651815	11651815	1398021780	184227	0
LHY	PJM.PENELEC_RESID_AGG_month_on_dac	25	12674055	12674055	1520442660	187232	0

LHZ	PJM.PENELEC_RESID_AGG_month_on_dap	25	12674055	12674055	1520412660	187232	0
LIA	PJM.PENELEC_RESID_AGG_month_off_dac	25	8641047	8641047	4033212564	186231	0
LIB	PJM.PENELEC_RESID_AGG_month_off_dap	25	8641047	8641047	4033212564	186231	0
LIC	PJM.PPL_RESID_AGG_month_on_dac	25	13501821	13501821	4620021852	193245	0
LID	PJM.PPL_RESID_AGG_month_on_dap	25	13501821	13501821	4620021852	193245	0
LIE	PJM.PPL_RESID_AGG_month_off_dac	25	10931511	10931511	4311618132	192242	0
LIF	PJM.PPL_RESID_AGG_month_off_dap	25	10931511	10931511	4311618132	192242	0
LIG	PJM.PSEG_RESID_AGG_month_on_dac	25	14621409	14621409	1754416908	195249	0
LIH	PJM.PSEG_RESID_AGG_month_on_dap	25	14621409	14621409	1754416908	195249	0
LII	PJM.PSEG_RESID_AGG_month_off_dac	25	11621164	11621164	1394413968	194246	0
LIJ	PJM.PSEG_RESID_AGG_month_off_dap	25	11621164	11621164	1394413968	194246	0
LIK	PJM.RECO_RESID_AGG_month_on_dac	25	6447	6447	768564	199255	0
LIL	PJM.RECO_RESID_AGG_month_on_dap	25	6447	6447	768564	199255	0
LIM	PJM.RECO_RESID_AGG_month_off_dac	25	4736	4736	564432	198252	0
LIN	PJM.RECO_RESID_AGG_month_off_dap	25	4736	4736	564432	198252	0
LIO	PJM.FEOHIO_RESID_AGG_month_off_dac	25	14571428	14571428	1748417136	4262	0
LIP	PJM.FEOHIO_RESID_AGG_month_on_dac	25	18111723	18111723	2173220676	4371	0
LIQ	PJM.PENPOWER_RESID_AGG_month_off_dac	25	135133	135133	46201596	4266	0
LIR	PJM.PENPOWER_RESID_AGG_month_on_dac	25	168160	168160	20161920	4367	0
LIS	PJM.FEOHIO_RESID_AGG_month_off_dap	25	14571428	14571428	1748417136	4262	0
LIT	PJM.FEOHIO_RESID_AGG_month_on_dap	25	18111723	18111723	2173220676	4371	0
LIU	PJM.PENPOWER_RESID_AGG_month_off_dap	25	135133	135133	46201596	4266	0
LIV	PJM.PENPOWER_RESID_AGG_month_on_dap	25	168160	168160	20161920	4367	0
LIW	PJM.LAKEWOOD18 KVOCEAN C1_month_on_dap	25	6059	6059	720708	294315	0
LIX	PJM.LAKEWOOD18 KVOCEAN C1_month_off_dap	25	6059	6059	720708	292316	0
LIY	PJM.LAKEWOOD18 KVOCEAN C2_month_on_dap	25	6059	6059	720708	294315	0
LIZ	PJM.LAKEWOOD18 KVOCEAN C2_month_off_dap	25	6059	6059	720708	292316	0
LJA	PJM.LAKEWOOD230 KVNUG LK_month_on_dap	25	5759	5759	684708		0
LJB	PJM.LAKEWOOD230 KVNUG LK_month_off_dap	25	5759	5759	684708		0
LJC	PJM.ROCKSPRI18 KVCT3_month_on_dap	25	193	193	2316	293317	0
LJD	PJM.ROCKSPRI18 KVCT3_month_off_dap	25	193	193	2316	294318	0
LJE	PJM.ROCKSPRI18 KVCT4_month_on_dap	25	193	193	2316	293317	0
LJF	PJM.ROCKSPRI18 KVCT4_month_off_dap	25	193	193	2316	294318	0
LJG	ISONE.UN.NEW_ENER18.ONEWE_month_o n_dap	25	152151	152151	18124824		0
LJH	ISONE.UN.NEW_ENER18.ONEWE_month_of f_dap	25	152151	152151	18124824		0
LJI	ISONE..I.SALBRYNB345 1_month_on_dap	25	175250	175250	30002100		0
LJJ	ISONE..I.SALBRYNB345 1_month_off_dap	25	175250	175250	30002100		0

LJK	ISONE.UN.BPT_ENER16 BHCC_month_on_dap	25	130	130	1560		0
LJL	ISONE.UN.BPT_ENER16 BHCC_month_off_dap	25	130	130	1560		0
LJM	ISONE.UN.RUMFD_IP18.0RUMF_month_on_dap	25	6968	6968	828816		0
LJN	ISONE.UN.RUMFD_IP18.0RUMF_month_off_dap	25	6968	6968	828816		0
LJO	ISONE.UN.TIVERTON18.0TIVR_month_on_dap	25	68136	68136	8161632		0
LJP	ISONE.UN.TIVERTON18.0TIVR_month_off_dap	25	68136	68136	8161632		0
LJQ	MISO.AMMO.UE.AZ_month_on_dap	25	14431176	14431176	1731614112	35	0
LJR	MISO.AMMO.UE.AZ_month_off_dap	25	11911001	11911001	1429212012	34	0
LJS	MISO.MOGEN1.AGG_month_on_dap	25	14431176	14431176	1731614112	3552	0
LJT	MISO.MOGEN1.AGG_month_off_dap	25	11911001	11911001	1429212012	3451	0
LJU	MISO.AMMO.UE_month_on_dap	25	14431176	14431176	1731614112	3553	0
LJV	MISO.AMMO.UE_month_off_dap	25	11911001	11911001	1429212012	3450	0
LJW	MISO.SWPP_month_on_dap	25	334278	334278	40083336	295	0
LJX	MISO.SWPP_month_off_dap	25	334278	334278	40083336	296	0
LJY	SPP.BLKW_month_on_dap	25	50	50	600		0
LJZ	SPP.BLKW_month_off_dap	25	50	50	600		0
LKA	SPP.EDDY_month_on_dap	25	50	50	600		0
LKB	SPP.EDDY_month_off_dap	25	50	50	600		0
LKC	SPP.ERCOTE_month_on_dap	25	150	150	1800		0
LKD	SPP.ERCOTE_month_off_dap	25	150	150	1800		0
LKE	SPP.ERCOTN_month_on_dap	25	55	55	660		0
LKF	SPP.ERCOTN_month_off_dap	25	55	55	660		0
LKG	SPP.LAM345_month_on_dap	25	5352	5352	636624		0
LKH	SPP.LAM345_month_off_dap	25	5352	5352	636624		0
LKI	SPP.MCWEST_month_on_dap	25	5049	5049	600588		0
LKJ	SPP.MCWEST_month_off_dap	25	5049	5049	600588		0
LKK	SPP.MISO_month_on_dap	25	334278	334278	40083336	295	0
LKL	SPP.MISO_month_off_dap	25	334278	334278	40083336	296	0
LKM	SPP.OKGE.BALKO.WIND.1_month_on_dap	25	7574	7574	900888		0
LKN	SPP.OKGE.BALKO.WIND.1_month_off_dap	25	7574	7574	900888		0
LKO	SPP.OKGEKEENANWIND_month_on_dap	25	3837	3837	456444		0
LKP	SPP.OKGEKEENANWIND_month_off_dap	25	3837	3837	456444		0
LKQ	SPP.OKGE_OKGE_month_on_dap	25	9251039	9251039	1110012468		0
LKR	SPP.OKGE_OKGE_month_off_dap	25	764898	764898	916810776		0
LKS	SPP.RCEAST_month_on_dap	25	51	51	612		0
LKT	SPP.RCEAST_month_off_dap	25	51	51	612		0
LKU	SPP.SCSE_month_on_dap	25	50	50	600		0
LKV	SPP.SCSE_month_off_dap	25	50	50	600		0
LKW	SPP.SPPNORTH_HUB_month_on_dap	25	14682040	14682040	1761624480		0
LKX	SPP.SPPNORTH_HUB_month_on_rtp	25	14682040	14682040	1761624480		0

LKY	SPP.SPPNORTH_HUB_month_off_dap	25	12132040	12132040	1455624480		0
LKZ	SPP.SPPNORTH_HUB_month_off_rtp	25	12132040	12132040	1455624480		0
LLA	SPP.SPPSOUTH_HUB_month_on_dap	25	41151574 0	41151574	4938018888 0		0
LLB	SPP.SPPSOUTH_HUB_month_on_rtp	25	41151574 0	41151574	4938018888 0		0
LLC	SPP.SPPSOUTH_HUB_month_off_dap	25	34011574 0	34011574	4081218888 0		0
LLD	SPP.SPPSOUTH_HUB_month_off_rtp	25	34011574 0	34011574	4081218888 0		0
LLE	SPP.SPS_SPS_month_on_dap	25	8151009	8151009	978012108		0
LLF	SPP.SPS_SPS_month_off_dap	25	673937	673937	807611244		0
LLI	SPP.WR_WR_month_on_dap	25	8321005	8321005	998412060		0
LLJ	SPP.WR_WR_month_off_dap	25	688844	688844	825610128		0
LLK	PJM.MISO_month_on_dap	25	17085606	17085606	2049667272	279303	0
LLL	PJM.MISO_month_off_dap	25	17085606	17085606	2049667272	280304	0
LLM	NYISO.N.E._GEN_SANDY PD_month_on_dap	25	500	500	6000	284305	0
LLN	NYISO.N.E._GEN_SANDY PD_month_off_dap	25	500	500	6000	282306	0
LLO	ISONE..I.ROSETON 345 1_month_on_dap	25	500400	500400	60004800	311337	0
LLP	ISONE..I.ROSETON 345 1_month_off_dap	25	500400	500400	60004800	312338	0
LLQ	NYISO.BARRETT__2_month_on_dac	25	167	167	2004	297319	0
LLR	NYISO.BARRETT__2_month_off_dac	25	167	167	2004	298320	0
LLS	NYISO.FPL FAR_ROCK_GT1_month_on_dac	25	30	30	360		0
LLT	NYISO.FPL FAR_ROCK_GT1_month_off_dac	25	30	30	360		0
LLU	NYISO.GOWANUS_GT1_1_month_on_dac	25	160183	160183	21961020		0
LLV	NYISO.GOWANUS_GT1_1_month_off_dac	25	160183	160183	21961020		0
LLW	NYISO.JARVIS____month_on_dac	25	23	23	2436		0
LLX	NYISO.JARVIS____month_off_dac	25	23	23	2436		0
LLY	NYISO.NARROWS_GT1_1_month_on_dac	25	88	88	1056	299321	0
LLZ	NYISO.NARROWS_GT1_1_month_off_dac	25	88	88	1056	300322	0
LMA	NYISO.NINE_MILE_2_month_on_dac	25	475510	475510	57006120	301323	0
LMB	NYISO.NINE_MILE_2_month_off_dac	25	475510	475510	57006120	302327	0
LMC	NYISO.NYPA_GOWANUS____GT6_month_ on_dac	25	25183	25183	3002196	305330	0
LMD	NYISO.NYPA_GOWANUS____GT6_month_ off_dac	25	25183	25183	3002196	306331	0
LME	NYISO.NYPA_KENT____GT_month_on_dac	25	1311	1311	156132		0
LMF	NYISO.NYPA_KENT____GT_month_off_dac	25	1311	1311	156132		0
LMG	NYISO.NYPA__ASTORIA_CC2_month_on_d ac	25	144	144	1728	303328	0
LMH	NYISO.NYPA__ASTORIA_CC2_month_off_d ac	25	144	144	1728	304329	0
LMQ	NWPP.MID-COLUMBIA_month_on_dap	25	2381	2381	28572		0
LMR	NWPP.MID-COLUMBIA_month_off_dap	25	2109	2109	25308		0
LMS	MISO.DECO.SELC_month_on_dap	25	19231937	19231937	2307623244	72104	0
LMT	MISO.DECO.SELC_month_off_dap	25	15871649	15871649	1904419788	71103	0

LMU	PJM.942 NELS18 KVG11_month_on_dap	25	157156	157156	18724884		0
LMV	PJM.942 NELS18 KVG11_month_off_dap	25	157156	157156	18724884		0
LMW	MISO.GRE.ELMCRK_month_on_dap	25	6362	6362	756744	307333	0
LMX	MISO.GRE.ELMCRK_month_off_dap	25	6362	6362	756744	308334	0
LMY	MISO.GRE.ELMCR2_IBR_month_on_dap	25	6362	6362	756744	307333	0
LMZ	MISO.GRE.ELMCR2_IBR_month_off_dap	25	6362	6362	756744	308334	0
LNA	PJM.PPL_month_7x8_dap	25	12931593	12931593	1551619116	192243	0
LNB	PJM.PPL_month_7x8_rtp	25	12931593	12931593	1551619116	309335	0
LNC	PJM.PPL_month_2x16_dap	25	13821920	13821920	1658423040	192244	0
LND	PJM.PPL_month_2x16_rtp	25	13821920	13821920	1658423040	309421	0
LNE	PJM.JCPL_month_7x8_dap	25	540609	540609	64807308	125164	0
LNF	PJM.JCPL_month_2x16_dap	25	668833	668833	80169996	125165	0
LNG	PJM.EKPC_month_on_dap	25	392396	392396	47044752		0
LNH	PJM.EKPC_month_off_dap	25	344350	344350	41284200		0
LNI	PJM.JCPL_month_7x8_rtp	25	540609	540609	64807308	310336	0
LNJ	PJM.JCPL_month_2x16_rtp	25	668833	668833	80169996	310420	0
LNK	ISONE..I.ROSETON 345 1_month_on_dac	25	500400	500400	60004800	311337	0
LNL	ISONE..I.ROSETON 345 1_month_off_dac	25	500400	500400	60004800	312338	0
LNM	PJM.4 QUAD C18 KVQC-2_month_on_dac	25	505504	505504	60606048	313339	0
LNN	PJM.4 QUAD C18 KVQC-2_month_off_dac	25	505504	505504	60606048	314340	0
LNO	NYISO.NEG WEST_LEA_LOCKPORT_month_on_dap	25	55	55	660	315341	0
LNP	NYISO.NEG WEST_LEA_LOCKPORT_month_off_dap	25	55	55	660	316342	0
LNQ	PJM.N ILLINOIS HUB_month_2x16_dap	25	47545952	47545952	5701271424	166209	0
LNR	PJM.N ILLINOIS HUB_month_2x16_rtp	25	47545952	47545952	5701271424	317434	0
LNS	PJM.N ILLINOIS HUB_month_7x8_dap	25	51964205	42055196	5046062352	166208	0
LNT	PJM.N ILLINOIS HUB_month_7x8_rtp	25	42055196	42055196	5046062352	317343	0
LNU	NYISO.HUD VL_month_2x16_dap	25	34032968	34032968	4083635616	113152	0
LNV	NYISO.HUD VL_month_7x8_dap	25	27032968	27032968	3243635616	113151	0
LNW	PJM.GAVIN765 KV_month_on_dap	25	10671066	10671066	1280412792		0
LNX	PJM.GAVIN765 KV_month_off_dap	25	10671066	10671066	1280412792		0
LNZ	PJM.ADKINS13.8 KVG11_month_on_dap	25	141	141	1692		0
LOA	PJM.ADKINS13.8 KVG11_month_off_dap	25	141	141	1692		0
LOC	PJM.IRONWOOD16 KVST_month_on_dap	25	195194	195194	23282340	357377	0
LOD	PJM.IRONWOOD16 KVST_month_off_dap	25	195194	195194	23282340	373393	0
LOE	PJM.LACKAENG24 KVCTG1_month_on_dap	25	416	416	4992	327350	0
LOF	PJM.LACKAENG24 KVCTG1_month_off_dap	25	416	416	4992	328351	0
LOG	PJM.LAWRENC218 KVG1_month_on_dap	25	308	308	3696		0
LOH	PJM.LAWRENC218 KVG1_month_off_dap	25	308	308	3696		0
LOI	PJM.PSEGGLOB18 KV6_month_on_dap	25	231230	231230	27602772	318344	0
LOJ	PJM.PSEGGLOB18 KV6_month_off_dap	25	231230	231230	27602772	319345	0
LOK	PJM.SPRINGDA18 KVCT3_month_on_dap	25	139	139	1668	320346	0

LOL	PJM.SPRINGDA18 KVCT3_month_off_dap	25	139	139	1668	324347	0
LOM	NYISO.WEST_month_7x8_dap	25	10041051	10041051	1204812612	230284	0
LON	NYISO.WEST_month_2x16_dap	25	11293810	11293810	1354845720	230285	0
LOO	MISO.MS.HUB_month_on_dap	25	11271086	11271086	1352413032		0
LOP	MISO.MS.HUB_month_off_dap	25	10291042	10291042	1234812504		0
LOQ	MISO.MS.HUB_month_on_rtp	25	11271086	11271086	1352413032		0
LOR	MISO.MS.HUB_month_off_rtp	25	10291042	10291042	1234812504		0
LOS	ERCOT.SSPURT_WIND1_month_on_dap	25	4088	4088	4801056	417	0
LOT	ERCOT.SSPURT_WIND1_month_off_dap	25	4088	4088	4801056	322348	0
LOU	ERCOT.SSPURT_WIND1_month_7x8_dap	25	4088	4088	4801056	322348	0
LOV	ERCOT.SSPURT_WIND1_month_2x16_dap	25	4088	4088	4801056	322417	0
LOW	ERCOT.SSPURT_WIND1_month_on_rtp	25	4088	4088	4801056	432	0
LOX	ERCOT.SSPURT_WIND1_month_off_rtp	25	4088	4088	4801056	323349	0
LOY	ERCOT.SSPURT_WIND1_month_7x8_rtp	25	4088	4088	4801056	323349	0
LOZ	ERCOT.SSPURT_WIND1_month_2x16_rtp	25	4088	4088	4801056	323432	0
LPM	PJM.SUSQUEHA24 KVUNIT01_month_on_dap	25	649633	649633	77887596	212267	0
LPN	PJM.SUSQUEHA24 KVUNIT01_month_off_dap	25	649633	649633	77887596	212266	0
LPO	PJM.SUSQUEHA24 KVUNIT02_month_on_dap	25	649633	649633	77887596	212267	0
LPP	PJM.SUSQUEHA24 KVUNIT02_month_off_dap	25	649633	649633	77887596	212266	0
LPQ	PJM.LACKAENG24 KVCTG1_month_on_dac	25	416	416	4992	327350	0
LPR	PJM.LACKAENG24 KVCTG1_month_off_dac	25	416	416	4992	328351	0
LPS	ERCOT.HB_PAN_month_2x16_dap	25	14271755	14271755	1712421060	330407	0
LPT	ERCOT.HB_PAN_month_7x8_dap	25	12111735	12111735	1453220820	330352	0
LPU	ERCOT.HB_PAN_month_off_dap	25	12921735	12921735	1550420820	330352	0
LPV	ERCOT.HB_PAN_month_on_dap	25	15251755	15251755	1830021060	407	0
LPW	ERCOT.HB_PAN_month_2x16_rtp	25	14271755	14271755	1712421060	331425	0
LPX	ERCOT.HB_PAN_month_7x8_rtp	25	12111735	12111735	1453220820	331353	0
LPY	ERCOT.HB_PAN_month_off_rtp	25	12921735	12921735	1550420820	331353	0
LPZ	ERCOT.HB_PAN_month_on_rtp	25	15251755	15251755	1830021060	425	0
LQI	ERCOT.WAKEWE_ALL_month_on_dap	25	64	64	768	418	0
LQJ	ERCOT.WAKEWE_ALL_month_off_dap	25	64	64	768	334354	0
LQK	ERCOT.WAKEWE_ALL_month_7x8_dap	25	64	64	768	334354	0
LQL	ERCOT.WAKEWE_ALL_month_2x16_dap	25	64	64	768	334418	0
LQM	ERCOT.WAKEWE_ALL_month_on_rtp	25	64	64	768	433	0
LQN	ERCOT.WAKEWE_ALL_month_off_rtp	25	64	64	768	335355	0
LQO	ERCOT.WAKEWE_ALL_month_7x8_rtp	25	64	64	768	335355	0
LQP	ERCOT.WAKEWE_ALL_month_2x16_rtp	25	64	64	768	335433	0
LQX	PJM.EAST BEND 2_month_on_dac	25	193	193	2316	378	0
LQY	PJM.EAST BEND 2_month_off_dac	25	193	193	2316	379	0
LRA	MISO.INDIANA.HUB_month_2x16_dap	25	16802083	16802083	2016024996	121160	0

LRB	MISO.INDIANA.HUB_month_7x8_dap	25	44391731	44391731	1726820772	124159	0
LRC	PJM.SBEND18 KVCT1_month_on_dap	25	172546	172546	20646552	336356	0
LRD	PJM.SBEND18 KVCT1_month_off_dap	25	172546	172546	20646552	337357	0
LRE	PJM.SBEND18 KVCT1_month_on_dac	25	172546	172546	20646552	336356	0
LRF	PJM.SBEND18 KVCT1_month_off_dac	25	172546	172546	20646552	337357	0
LRG	PJM.LEMOYNE218 KVUN1_month_on_dap	25	199198	199198	23882376	338358	0
LRH	PJM.LEMOYNE218 KVUN1_month_off_dap	25	199198	199198	23882376	339359	0
LRI	PJM.LEMOYNE218 KVUN1_month_on_dac	25	199198	199198	23882376	338358	0
LRJ	PJM.LEMOYNE218 KVUN1_month_off_dac	25	199198	199198	23882376	339359	0
LRK	PJM.IRONWOOD16 KVCT-1_month_on_dap	25	194	194	2328	340360	0
LRL	PJM.IRONWOOD16 KVCT-1_month_off_dap	25	194	194	2328	341361	0
LRM	PJM.BATH COUNTY GEN_month_on_dap	25	715	715	85928580	342362	0
LRN	PJM.BATH COUNTY GEN_month_off_dap	25	715	715	85928580	343363	0
LRQ	PJM.BATH COUNTY GEN_month_on_dac	25	715	715	85928580	342362	0
LRR	PJM.BATH COUNTY GEN_month_off_dac	25	715	715	85928580	343363	0
LRS	PJM.ASYLUM23 KVLIBRTY10_month_on_dap	25	217153	217153	18362616	344364	0
LRT	PJM.ASYLUM23 KVLIBRTY10_month_off_dap	25	217153	217153	18362616	345365	0
LRU	PJM.ASYLUM23 KVLIBRTY20_month_on_dap	25	217153	217153	18362616	344364	0
LRV	PJM.ASYLUM23 KVLIBRTY20_month_off_dap	25	217153	217153	26161836	345365	0
LRW	PJM.946 UNIV13.5 KVUP31- 1_month_on_dap	25	88	88	1056	346366	0
LRX	PJM.946 UNIV13.5 KVUP31- 1_month_off_dap	25	88	88	1056	362382	0
LRY	PJM.946 UNIV13.5 KVUP31- 1_month_on_dac	25	88	88	1056	346366	0
LRZ	PJM.946 UNIV13.5 KVUP31- 1_month_off_dac	25	88	88	1056	362382	0
LTA	PJM.951 AURO13.5 KVAR5_month_on_dap	25	318271	318271	38163252	347367	0
LTB	PJM.951 AURO13.5 KVAR5_month_off_dap	25	318271	318271	38163252	363383	0
LTC	PJM.951 AURO13.5 KVAR5_month_on_dac	25	318271	318271	38163252	347367	0
LTD	PJM.951 AURO13.5 KVAR5_month_off_dac	25	318271	318271	38163252	363383	0
LTE	PJM.952 ROCK16 KVRO11_month_on_dap	25	79	79	948	348368	0
LTF	PJM.952 ROCK16 KVRO11_month_off_dap	25	79	79	948	364384	0
LTG	PJM.952 ROCK16 KVRO11_month_on_dac	25	79	79	948	348368	0
LTH	PJM.952 ROCK16 KVRO11_month_off_dac	25	79	79	948	364384	0
LTI	PJM.970 UP N13.5 KVUN-1_month_on_dap	25	18188	18188	21721056	349369	0
LTJ	PJM.970 UP N13.5 KVUN-1_month_off_dap	25	18188	18188	21721056	365385	0
LTK	PJM.970 UP N13.5 KVUN-1_month_on_dac	25	18188	18188	21721056	349369	0
LTL	PJM.970 UP N13.5 KVUN-1_month_off_dac	25	18188	18188	21721056	365385	0
LTM	PJM.BATHCO20 KVGM1_month_on_dap	25	715	715	8580	350370	0
LTN	PJM.BATHCO20 KVGM1_month_off_dap	25	715	715	8580	366386	0
LTO	PJM.CROWNPN21 KVSTG1_month_on_dap	25	188	188	2256	351371	0

LTP	PJM.CROWNPNT21 KVSTG1_month_off_dap	25	188	188	2256	367387	0
LTQ	PJM.CROWNPNT21 KVSTG1_month_on_dac	25	188	188	2256	354371	0
LTR	PJM.CROWNPNT21 KVSTG1_month_off_dac	25	188	188	2256	367387	0
LTS	PJM.FOOTHILL18 KVUNIT 4_month_on_dap	25	287274	287274	34443288	352372	0
LTT	PJM.FOOTHILL18 KVUNIT 4_month_off_dap	25	287274	287274	34443288	368388	0
LTU	PJM.FOOTHILL18 KVUNIT 4_month_on_dac	25	287274	287274	34443288	352372	0
LTV	PJM.FOOTHILL18 KVUNIT 4_month_off_dac	25	287274	287274	34443288	368388	0
LTW	PJM.FOURRIVR13.8 KVST501_month_on_dap	25	328	328	3936	353373	0
LTX	PJM.FOURRIVR13.8 KVST501_month_off_dap	25	328	328	3936	369389	0
LTY	PJM.FOURRIVR13.8 KVST501_month_on_dac	25	328	328	3936	353373	0
LTZ	PJM.FOURRIVR13.8 KVST501_month_off_dac	25	328	328	3936	369389	0
LUA	PJM.FOURRIVR18 KVNUG1_month_on_dap	25	328	328	3936	354374	0
LUB	PJM.FOURRIVR18 KVNUG1_month_off_dap	25	328	328	3936	370390	0
LUC	PJM.FOURRIVR18 KVNUG1_month_on_dac	25	328	328	3936	354374	0
LUD	PJM.FOURRIVR18 KVNUG1_month_off_dac	25	328	328	3936	370390	0
LUE	PJM.GANS138 KVGEN 8_month_on_dap	25	21	21	252	355375	0
LUF	PJM.GANS138 KVGEN 8_month_off_dap	25	21	21	252	374391	0
LUG	PJM.GANS138 KVGEN 8_month_on_dac	25	21	21	252	355375	0
LUH	PJM.GANS138 KVGEN 8_month_off_dac	25	21	21	252	374391	0
LUI	PJM.HUMMEL22 KVSTG_month_on_dap	25	298	298	3576	356376	0
LUJ	PJM.HUMMEL22 KVSTG_month_off_dap	25	298	298	3576	372392	0
LUK	PJM.HUMMEL22 KVSTG_month_on_dac	25	298	298	3576	356376	0
LUL	PJM.HUMMEL22 KVSTG_month_off_dac	25	298	298	3576	372392	0
LUM	PJM.IRONWOOD16 KVST_month_on_dac	25	194	194	2328	357377	0
LUN	PJM.IRONWOOD16 KVST_month_off_dac	25	194	194	2328	373393	0
LUO	PJM.SENECA13 KV1GEN_month_on_dap	25	117	117	1404	358378	0
LUP	PJM.SENECA13 KV1GEN_month_off_dap	25	117	117	1404	374394	0
LUQ	PJM.SENECA13 KV1GEN_month_on_dac	25	117	117	1404	358378	0
LUR	PJM.SENECA13 KV1GEN_month_off_dac	25	117	117	1404	374394	0
LUS	NYISO.RAVENSWOOD__1_month_on_dap	25	656536	656536	78726432	197251	0
LUT	NYISO.RAVENSWOOD__1_month_off_dap	25	656536	656536	78726432	196250	0
LUU	NYISO.RAVENSWOOD__2_month_on_dap	25	656536	656536	78726432	197251	0
LUV	NYISO.RAVENSWOOD__2_month_off_dap	25	656536	656536	78726432	196250	0
LUW	NYISO.RAVENSWOOD__3_month_on_dap	25	656536	656536	78726432	197251	0
LUX	NYISO.RAVENSWOOD__3_month_off_dap	25	656536	656536	78726432	196250	0
LUY	NYISO.RAVENSWOOD__4_month_on_dap	25	656536	656536	78726432	197251	0
LUZ	NYISO.RAVENSWOOD__4_month_off_dap	25	656536	656536	78726432	196250	0
LVA	ISONE.UN.KIBBY 34.5KIBY_month_on_dap	25	33	33	396	359379	0
LVB	ISONE.UN.KIBBY 34.5KIBY_month_off_dap	25	33	33	396	375395	0
LVC	ISONE.UN.KIBBY 34.5KIBY_month_on_dac	25	33	33	396	359379	0

LVD	ISONE.UN.KIBBY 34.5KIBY_month_off_dac	25	33	33	396	375 395	0
LVE	ISONE.UN.OCEAN_ST13.8OSP1_month_on_dap	25	63	63	756	360 380	0
LVF	ISONE.UN.OCEAN_ST13.8OSP1_month_off_dap	25	63	63	756	376 396	0
LVG	ISONE.UN.OCEAN_ST13.8OSP1_month_on_dac	25	63	63	756	360 380	0
LVH	ISONE.UN.OCEAN_ST13.8OSP1_month_off_dac	25	63	63	756	376 396	0
LVI	ISONE.UN.WALNGFRD13.8WAL1_month_on_dap	25	87	87	1044	364 381	0
LVJ	ISONE.UN.WALNGFRD13.8WAL1_month_off_dap	25	87	87	1044	377 397	0
LVK	ISONE.UN.WALNGFRD13.8WAL1_month_on_dac	25	87	87	1044	364 381	0
LVL	ISONE.UN.WALNGFRD13.8WAL1_month_off_dac	25	87	87	1044	377 397	0
LVO	PJM.PATRIOT123 KVPAT10_month_off_dap	25	217 264	217 264	2604 3168		0
LVP	PJM.PATRIOT123 KVPAT10_month_on_dap	25	217 264	217 264	2604 3168		0
LVQ	PJM.SOUTH_month_on_dap	25	1782 1781	1782 1781	21382 21372	380 400	0
LVR	PJM.SOUTH_month_off_dap	25	1782 1781	1782 1781	21382 21372	384 401	0
LVS	PJM.SOUTH_month_on_dac	25	1782 1781	1782 1781	21382 21372	380 400	0
LVT	PJM.SOUTH_month_off_dac	25	1782 1781	1782 1781	21382 21372	384 401	0
LWA	PJM.CALVERTC22 KVGGEN02_month_off_dap	25	462	462	5544	48 78	0
LWB	PJM.CALVERTC22 KVGGEN02_month_on_dap	25	462	462	5544	49 79	0
LWC	PJM.CALVERTC25 KVGGEN01_month_off_dap	25	462	462	5544	48 78	0
LWD	PJM.CALVERTC25 KVGGEN01_month_on_dap	25	462	462	5544	49 79	0
LWE	NYISO.N.Y.C._month_2x16_dap	25	1905	1905	22860	168 211	0
LWF	NYISO.N.Y.C._month_7x8_dap	25	1346	1346	16152	168 210	0
MAF	MA REC Class 1 V22 Future	25	15000	15000	15000		0
MAG	MA REC Class 1 V23 Future	25	15000	15000	15000		0
MAH	MA REC Class 1 V24 Future	25	15000	15000	15000		0
MAI	MA REC Class 1 V25 Future	25	15000	15000	15000		0
MAJ	MA REC Class 1 V26 Future	25	15000	15000	15000		0
MAK	MA REC Class 1 V27 Future	25	15000	15000	15000		0
MAL	MA REC Class 1 V28 Future	25	15000	15000	15000		0
MAM	MA REC Class 1 V29 Future	25	15000	15000	15000		0
MAN	MA REC Class 1 V30 Future	25	15000	15000	15000		0
MAO	MA REC Class 1 V31 Future	25	15000	15000	15000		0
MAP	MA REC Class 1 V32 Future	25	15000	15000	15000		0
MAQ	MA REC Class 1 V33 Future	25	15000	15000	15000		0
MAR	MA REC Class 1 V34 Future	25	15000	15000	15000		0
MAS	MA REC Class 1 V35 Future	25	15000	15000	15000		0
MBE	MD REC Tier 1 V21 Bankable Future	25	22500	22500	22500	325	0
MBF	MD REC Tier 1 V22 Bankable Future	25	22500	22500	22500	325	0
MBG	MD REC Tier 1 V23 Bankable Future	25	22500	22500	22500	325	0

MBH	MD REC Tier 1 V24 Bankable Future	25	22500	22500	22500	325	0
MBI	MD REC Tier 1 V25 Bankable Future	25	22500	22500	22500	325	0
MCF	MA SREC Carve Out II V22 Future	25	37380	37380	37380		0
MCG	MA SREC Carve Out II V23 Future	25	37380	37380	37380		0
MCH	MA SREC Carve Out II V24 Future	25	37380	37380	37380		0
MCI	MA SREC Carve Out II V25 Future	25	37380	37380	37380		0
MCJ	MA SREC Carve Out II V26 Future	25	37380	37380	37380		0
MCK	MA SREC Carve Out II V27 Future	25	37380	37380	37380		0
MCL	MA SREC Carve Out II V28 Future	25	40550	40550	40550		0
MCM	MA SREC Carve Out II V29 Future	25	40550	40550	40550		0
MCN	MA SREC Carve Out II V30 Future	25	40550	40550	40550		0
MDE	MD REC Tier 1 V21 Future	25	22500	22500	22500		0
MDF	MD REC Tier 1 V22 Future	25	22500	22500	22500		0
MDG	MD REC Tier 1 V23 Future	25	22500	22500	22500		0
MDH	MD REC Tier 1 V24 Future	25	22500	22500	22500		0
MDI	MD REC Tier 1 V25 Future	25	22500	22500	22500		0
MDJ	MD REC Tier 1 V26 Future	25	22500	22500	22500		0
MDK	MD REC Tier 1 V27 Future	25	22500	22500	22500		0
MDL	MD REC Tier 1 V28 Future	25	22500	22500	22500		0
MDM	MD REC Tier 1 V29 Future	25	22500	22500	22500		0
MDN	MD REC Tier 1 V30 Future	25	22500	22500	22500		0
MDO	MD REC Tier 1 V31 Future	25	22500	22500	22500		0
MDP	MD REC Tier 1 V32 Future	25	22500	22500	22500		0
MDQ	MD REC Tier 1 V33 Future	25	22500	22500	22500		0
MDR	MD REC Tier 1 V34 Future	25	22500	22500	22500		0
MDS	MD REC Tier 1 V35 Future	25	22500	22500	22500		0
MEF	MA REC Class 2 V22 Future	25	2000	2000	2000		0
MEG	MA REC Class 2 V23 Future	25	2000	2000	2000		0
MEH	MA REC Class 2 V24 Future	25	2000	2000	2000		0
MEI	MA REC Class 2 V25 Future	25	2000	2000	2000		0
MEJ	MA REC Class 2 V26 Future	25	3750	3750	3750		0
MEK	MA REC Class 2 V27 Future	25	3750	3750	3750		0
MEL	MA REC Class 2 V28 Future	25	3750	3750	3750		0
MEM	MA REC Class 2 V29 Future	25	3750	3750	3750		0
MEN	MA REC Class 2 V30 Future	25	3750	3750	3750		0
MFF	MA APS AEC V22 Future	25	5290	5290	5290		0
MFG	MA APS AEC V23 Future	25	5290	5290	5290		0
MFH	MA APS AEC V24 Future	25	5290	5290	5290		0
MFI	MA APS AEC V25 Future	25	5290	5290	5290		0
MFJ	MA APS AEC V26 Future	25	5290	5290	5290		0
MFK	MA APS AEC V27 Future	25	8750	8750	8750		0

MFL	MA APS AEC V28 Future	25	9075	9075	9075		0
MFM	MA APS AEC V29 Future	25	9300	9300	9300		0
MFN	MA APS AEC V30 Future	25	9720	9720	9720		0
MGF	MA REC Class 2 WTE V22 Future	25	4350	4350	4350		0
MGG	MA REC Class 2 WTE V23 Future	25	4350	4350	4350		0
MGH	MA REC Class 2 WTE V24 Future	25	4350	4350	4350		0
MGI	MA REC Class 2 WTE V25 Future	25	4350	4350	4350		0
MGJ	MA REC Class 2 WTE V26 Future	25	4000	4000	4000		0
MGK	MA REC Class 2 WTE V27 Future	25	4000	4000	4000		0
MGL	MA REC Class 2 WTE V28 Future	25	4000	4000	4000		0
MGM	MA REC Class 2 WTE V29 Future	25	4000	4000	4000		0
MGN	MA REC Class 2 WTE V30 Future	25	4000	4000	4000		0
MHE	MD REC Tier 2 V21 Future	25	13600	13600	13600		0
MHF	MD REC Tier 2 V22 Future	25	13600	13600	13600		0
MHG	MD REC Tier 2 V23 Future	25	13600	13600	13600		0
MHH	MD REC Tier 2 V24 Future	25	13600	13600	13600		0
MHI	MD REC Tier 2 V25 Future	25	13600	13600	13600		0
MIF	MA CES-E V22 Future	25	59000	59000	59000		0
MIG	MA CES-E V23 Future	25	59000	59000	59000		0
MIH	MA CES-E V24 Future	25	59000	59000	59000		0
MII	MA CES-E V25 Future	25	59000	59000	59000		0
MIJ	MA CES-E V26 Future	25	59000	59000	59000		0
MIK	MA CES-E V27 Future	25	25000	25000	25000		0
MIL	MA CES-E V28 Future	25	25000	25000	25000		0
MIM	MA CES-E V29 Future	25	25000	25000	25000		0
MIN	MA CES-E V30 Future	25	25000	25000	25000		0
MMF	ME REC Class 1A V22 Future	25	16600	16600	16600		0
MMG	ME REC Class 1A V23 Future	25	16600	16600	16600		0
MMH	ME REC Class 1A V24 Future	25	16600	16600	16600		0
MMI	ME REC Class 1A V25 Future	25	16600	16600	16600		0
MMJ	ME REC Class 1A V26 Future	25	16600	16600	16600		0
MMK	ME REC Class 1A V27 Future	25	16600	16600	16600		0
MML	ME REC Class 1A V28 Future	25	16600	16600	16600		0
MMM	ME REC Class 1A V29 Future	25	16600	16600	16600		0
MMN	ME REC Class 1A V30 Future	25	16600	16600	16600		0
MNF	ME REC Class 1 V22 Future	25	2000	2000	2000		0
MNG	ME REC Class 1 V23 Future	25	2000	2000	2000		0
MNH	ME REC Class 1 V24 Future	25	2000	2000	2000		0
MNI	ME REC Class 1 V25 Future	25	2000	2000	2000		0
MNJ	ME REC Class 1 V26 Future	25	32000	32000	32000		0
MNK	ME REC Class 1 V27 Future	25	32000	32000	32000		0

MNL	ME REC Class 1 V28 Future	25	32000	32000	32000		0
MNM	ME REC Class 1 V29 Future	25	32000	32000	32000		0
MNN	ME REC Class 1 V30 Future	25	32000	32000	32000		0
MQF	ME REC Class 2 V22 Future	25	30339	30339	30339		0
MQG	ME REC Class 2 V23 Future	25	30339	30339	30339		0
MQH	ME REC Class 2 V24 Future	25	30339	30339	30339		0
MQI	ME REC Class 2 V25 Future	25	30339	30339	30339		0
MQJ	ME REC Class 2 V26 Future	25	30339	30339	30339		0
MQK	ME REC Class 2 V27 Future	25	30339	30339	30339		0
SQL	ME REC Class 2 V28 Future	25	30339	30339	30339		0
MQM	ME REC Class 2 V29 Future	25	30339	30339	30339		0
MQN	ME REC Class 2 V30 Future	25	30339	30339	30339		0
MRE	MD SREC V21 Future	25	12000	12000	12000		0
MRF	MD SREC V22 Future	25	12000	12000	12000		0
MRG	MD SREC V23 Future	25	12000	12000	12000		0
MRH	MD SREC V24 Future	25	12000	12000	12000		0
MRI	MD SREC V25 Future	25	12000	12000	12000		0
MRJ	MD SREC V26 Future	25	12000	12000	12000		0
MRK	MD SREC V27 Future	25	12000	12000	12000		0
MRL	MD SREC V28 Future	25	12000	12000	12000		0
MRM	MD SREC V29 Future	25	12000	12000	12000		0
MRN	MD SREC V30 Future	25	12000	12000	12000		0
MRO	MD SREC V31 Future	25	12000	12000	12000		0
MRP	MD SREC V32 Future	25	12000	12000	12000		0
MRQ	MD SREC V33 Future	25	12000	12000	12000		0
MRR	MD SREC V34 Future	25	12000	12000	12000		0
MRS	MD SREC V35 Future	25	12000	12000	12000		0
MSF	MA SREC V22 Future	25	10000	10000	10000		0
MSG	MA SREC V23 Future	25	10000	10000	10000		0
MSH	MA SREC V24 Future	25	10000	10000	10000		0
MWB	M-RETS REC CRS Wind V21 Front Half Future	25	1300	1300	1300		0
MWC	M-RETS REC CRS Wind V22 Front Half Future	25	1300	1300	1300		0
MWD	M-RETS REC CRS Wind V23 Front Half Future	25	1300	1300	1300		0
MWE	M-RETS REC CRS Wind V24 Front Half Future	25	1300	1300	1300		0
MWF	M-RETS REC CRS Wind V25 Front Half Future	25	1300	1300	1300		0
MWG	M-RETS REC CRS Wind V26 Front Half Future	25	1300	1300	1300		0
MWH	M-RETS REC CRS Wind V27 Front Half Future	25	1300	1300	1300		0
MWI	M-RETS REC CRS Wind V28 Front Half Future	25	1300	1300	1300		0
MWJ	M-RETS REC CRS Wind V29 Front Half Future	25	1300	1300	1300		0

MWK	M-RETS REC CRS Wind V30 Front Half Future	25	1300	1300	1300		0
MXB	M-RETS REC CRS Wind V21 Back Half Future	25	1300	1300	1300		0
MXC	M-RETS REC CRS Wind V22 Back Half Future	25	1300	1300	1300		0
MXD	M-RETS REC CRS Wind V23 Back Half Future	25	1300	1300	1300		0
MXE	M-RETS REC CRS Wind V24 Back Half Future	25	1300	1300	1300		0
MXF	M-RETS REC CRS Wind V25 Back Half Future	25	1300	1300	1300		0
MXG	M-RETS REC CRS Wind V26 Back Half Future	25	1300	1300	1300		0
MXH	M-RETS REC CRS Wind V27 Back Half Future	25	1300	1300	1300		0
MXI	M-RETS REC CRS Wind V28 Back Half Future	25	1300	1300	1300		0
MXJ	M-RETS REC CRS Wind V29 Back Half Future	25	1300	1300	1300		0
MXK	M-RETS REC CRS Wind V30 Back Half Future	25	1300	1300	1300		0
NAA	VER Nature Based V17 Future	25	3750	3750	3750		0
NAB	VER Nature Based V18 Future	25	3750	3750	3750		0
NAC	VER Nature Based V19 Future	25	3750	3750	3750		0
NAD	VER Nature Based V20 Future	25	3750	3750	3750		0
NAE	VER Nature Based V21 Future	25	3750	3750	3750		0
NAF	VER Nature Based V22 Future	25	3750	3750	3750		0
NAG	VER Nature Based V23 Future	25	3750	3750	3750		0
NAH	VER Nature Based V24 Future	25	3750	3750	3750		0
NAI	VER Nature Based V25 Future	25	3750	3750	3750		0
NAT	VER Nature Based Future	25	7800	7800	7800		0
NBE	NJ REC Class 1 V21 Bankable Future	25	47500	47500	47500	324	0
NBF	NJ REC Class 1 V22 Bankable Future	25	47500	47500	47500	324	0
NBG	NJ REC Class 1 V23 Bankable Future	25	47500	47500	47500	324	0
NBH	NJ REC Class 1 V24 Bankable Future	25	22500	22500	22500	324	0
NBI	NJ REC Class 1 V25 Bankable Future	25	22500	22500	22500	324	0
NGH	Henry Hub LD 2500 Future	200	8000	24000	48000	332	1
NHP	Henry Hub Pen 10K Future	100	2000	12000	12000	332	1
NJE	NJ REC Class 1 V21 Future	25	47500	47500	47500		0
NJF	NJ REC Class 1 V22 Future	25	47500	47500	47500		0
NJG	NJ REC Class 1 V23 Future	25	47500	47500	47500		0
NJH	NJ REC Class 1 V24 Future	25	47500	47500	47500		0
NJI	NJ REC Class 1 V25 Future	25	47500	47500	47500		0
NJJ	NJ REC Class 1 V26 Future	25	47500	47500	47500		0
NJK	NJ REC Class 1 V27 Future	25	47500	47500	47500		0
NJL	NJ REC Class 1 V28 Future	25	47500	47500	47500		0
NJM	NJ REC Class 1 V29 Future	25	47500	47500	47500		0
NJN	NJ REC Class 1 V30 Future	25	47500	47500	47500		0
NJO	NJ REC Class 1 V31 Future	25	47500	47500	47500		0
NJP	NJ REC Class 1 V32 Future	25	47500	47500	47500		0
NJQ	NJ REC Class 1 V33 Future	25	47500	47500	47500		0

NJR	NJ REC Class 1 V34 Future	25	47500	47500	47500		0
NJS	NJ REC Class 1 V35 Future	25	47500	47500	47500		0
NKE	NAR CRS Wind REC V21 Back Half Future	25	6695	6695	6695		0
NKF	NAR CRS Wind REC V22 Back Half Future	25	6695	6695	6695		0
NKG	NAR CRS Wind REC V23 Back Half Future	25	6695	6695	6695		0
NKH	NAR CRS Wind REC V24 Back Half Future	25	6695	6695	6695		0
NKI	NAR CRS Wind REC V25 Back Half Future	25	6695	6695	6695		0
NKJ	NAR CRS Wind REC V26 Back Half Future	25	6695	6695	6695		0
NKK	NAR CRS Wind REC V27 Back Half Future	25	6695	6695	6695		0
NKL	NAR CRS Wind REC V28 Back Half Future	25	6695	6695	6695		0
NKM	NAR CRS Wind REC V29 Back Half Future	25	6695	6695	6695		0
NKN	NAR CRS Wind REC V30 Back Half Future	25	6695	6695	6695		0
NLE	NAR CRS Wind REC V21 Front Half Future	25	6695	6695	6695		0
NLF	NAR CRS Wind REC V22 Front Half Future	25	6695	6695	6695		0
NLG	NAR CRS Wind REC V23 Front Half Future	25	6695	6695	6695		0
NLH	NAR CRS Wind REC V24 Front Half Future	25	6695	6695	6695		0
NLI	NAR CRS Wind REC V25 Front Half Future	25	6695	6695	6695		0
NLJ	NAR CRS Wind REC V26 Front Half Future	25	6695	6695	6695		0
NLK	NAR CRS Wind REC V27 Front Half Future	25	6695	6695	6695		0
NLL	NAR CRS Wind REC V28 Front Half Future	25	6695	6695	6695		0
NLM	NAR CRS Wind REC V29 Front Half Future	25	6695	6695	6695		0
NLN	NAR CRS Wind REC V30 Front Half Future	25	6695	6695	6695		0
NNG	Henry Hub LD 10K Future	100	2000	12000	12000	332	1
NPF	NP Dual-Qual REC Class 1 V22 Future	25	15000	15000	15000		0
NPG	NP Dual-Qual REC Class 1 V23 Future	25	15000	15000	15000		0
NPH	NP Dual-Qual REC Class 1 V24 Future	25	15000	15000	15000		0
NPI	NP Dual-Qual REC Class 1 V25 Future	25	15000	15000	15000		0
NPJ	NP Dual-Qual REC Class 1 V26 Future	25	15000	15000	15000		0
NPK	NP Dual-Qual REC Class 1 V27 Future	25	15000	15000	15000		0
NPL	NP Dual-Qual REC Class 1 V28 Future	25	15000	15000	15000		0
NPM	NP Dual-Qual REC Class 1 V29 Future	25	15000	15000	15000		0
NPN	NP Dual-Qual REC Class 1 V30 Future	25	15000	15000	15000		0
NPO	NP Dual-Qual REC Class 1 V31 Future	25	15000	15000	15000		0
NPP	NP Dual-Qual REC Class 1 V32 Future	25	15000	15000	15000		0
NPQ	NP Dual-Qual REC Class 1 V33 Future	25	15000	15000	15000		0
NPR	NP Dual-Qual REC Class 1 V34 Future	25	15000	15000	15000		0
NPS	NP Dual-Qual REC Class 1 V35 Future	25	15000	15000	15000		0
NQF	NP Quad-Qual REC Class 1 V22 Future	25	10000	10000	10000		0
NQG	NP Quad-Qual REC Class 1 V23 Future	25	10000	10000	10000		0
NQH	NP Quad-Qual REC Class 1 V24 Future	25	10000	10000	10000		0
NQI	NP Quad-Qual REC Class 1 V25 Future	25	10000	10000	10000		0

NQJ	NP Quad-Qual REC Class 1 V26 Future	25	10000	10000	10000		0
NQK	NP Quad-Qual REC Class 1 V27 Future	25	10000	10000	10000		0
NQL	NP Quad-Qual REC Class 1 V28 Future	25	10000	10000	10000		0
NQM	NP Quad-Qual REC Class 1 V29 Future	25	10000	10000	10000		0
NQN	NP Quad-Qual REC Class 1 V30 Future	25	10000	10000	10000		0
NRF	NH REC Class 1 V22 Future	25	2000	2000	2000		0
NRG	NH REC Class 1 V23 Future	25	2000	2000	2000		0
NRH	NH REC Class 1 V24 Future	25	2000	2000	2000		0
NRI	NH REC Class 1 V25 Future	25	2000	2000	2000		0
NSE	NJ SREC V21 Future	25	45000	45000	45000		0
NSF	NJ SREC V22 Future	25	45000	45000	45000		0
NSG	NJ SREC V23 Future	25	45000	45000	45000		0
NSH	NJ SREC V24 Future	25	45000	45000	45000		0
NSI	NJ SREC V25 Future	25	45000	45000	45000		0
NSJ	NJ SREC V26 Future	25	45000	45000	45000		0
NSK	NJ SREC V27 Future	25	45000	45000	45000		0
NSL	NJ SREC V28 Future	25	69600	69600	69600		0
NSM	NJ SREC V29 Future	25	57100	57100	57100		0
NSN	NJ SREC V30 Future	25	41000	41000	41000		0
NSO	NJ SREC V31 Future	25	20000	20000	20000		0
NSP	NJ SREC V32 Future	25	20000	20000	20000		0
NSQ	NJ SREC V33 Future	25	20000	20000	20000		0
NTF	NH REC Class 3 V22 Future	25	2000	2000	2000		0
NTG	NH REC Class 3 V23 Future	25	2000	2000	2000		0
NTH	NH REC Class 3 V24 Future	25	2000	2000	2000		0
NTI	NH REC Class 3 V25 Future	25	2000	2000	2000		0
NUE	NAR CRS Solar REC V21 Back Half Future	25	516	516	516		0
NUF	NAR CRS Solar REC V22 Back Half Future	25	516	516	516		0
NUG	NAR CRS Solar REC V23 Back Half Future	25	516	516	516		0
NUH	NAR CRS Solar REC V24 Back Half Future	25	516	516	516		0
NUI	NAR CRS Solar REC V25 Back Half Future	25	516	516	516		0
NUJ	NAR CRS Solar REC V26 Back Half Future	25	516	516	516		0
NUK	NAR CRS Solar REC V27 Back Half Future	25	516	516	516		0
NUL	NAR CRS Solar REC V28 Back Half Future	25	516	516	516		0
NUM	NAR CRS Solar REC V29 Back Half Future	25	516	516	516		0
NUN	NAR CRS Solar REC V30 Back Half Future	25	516	516	516		0
NVE	NAR CRS Solar REC V21 Front Half Future	25	516	516	516		0
NVF	NAR CRS Solar REC V22 Front Half Future	25	516	516	516		0
NVG	NAR CRS Solar REC V23 Front Half Future	25	516	516	516		0
NVH	NAR CRS Solar REC V24 Front Half Future	25	516	516	516		0
NVI	NAR CRS Solar REC V25 Front Half Future	25	516	516	516		0

NVJ	NAR CRS Solar REC V26 Front Half Future	25	516	516	516		0
NVK	NAR CRS Solar REC V27 Front Half Future	25	516	516	516		0
NVL	NAR CRS Solar REC V28 Front Half Future	25	516	516	516		0
NVM	NAR CRS Solar REC V29 Front Half Future	25	516	516	516		0
NVN	NAR CRS Solar REC V30 Front Half Future	25	516	516	516		0
NYC	NY REC Tier 1 V22 Future	25	2390	2390	2390		0
NYD	NY REC Tier 1 V23 Future	25	2390	2390	2390		0
NYE	NY REC Tier 1 V24 Future	25	2390	2390	2390		0
NYF	NY REC Tier 1 V25 Future	25	2390	2390	2390		0
NYG	NY REC Tier 1 V26 Future	25	2390	2390	2390		0
NYH	NY REC Tier 1 V27 Future	25	2390	2390	2390		0
NYI	NY REC Tier 1 V28 Future	25	2390	2390	2390		0
NYJ	NY REC Tier 1 V29 Future	25	2390	2390	2390		0
NYK	NY REC Tier 1 V30 Future	25	2390	2390	2390		0
NZE	CSAPR NOX Ozone Szn Grp2 V21 Future	25	7170	7170	7170		0
NZF	CSAPR NOX Ozone Szn Grp2 V22 Future	25	7170	7170	7170		0
NZG	CSAPR NOX Ozone Szn Grp2 V23 Future	25	7170	7170	7170		0
NZH	CSAPR NOX Ozone Szn Grp2 V24 Future	25	7170	7170	7170		0
OAE	CSAPR NOX Ozone Szn Grp3 V21 Future	25	5354	5354	5354		0
OAF	CSAPR NOX Ozone Szn Grp3 V22 Future	25	5185	5185	5185		0
OAG	CSAPR NOX Ozone Szn Grp3 V23 Future	25	5026	5026	5026		0
OAH	CSAPR NOX Ozone Szn Grp3 V24 Future	25	4849	4849	4849		0
OCA	Oregon LCFS Futures	25	2440	2440	2440		0
OHE	OHIO NON-SOLAR REC V21 FUTURE	25	5000	5000	5000		0
OHF	OHIO NON-SOLAR REC V22 FUTURE	25	5000	5000	5000		0
OHG	OHIO NON-SOLAR REC V23 FUTURE	25	5000	5000	5000		0
OHH	OHIO NON-SOLAR REC V24 FUTURE	25	5000	5000	5000		0
OHI	OHIO NON-SOLAR REC V25 FUTURE	25	5000	5000	5000		0
OHJ	OHIO NON-SOLAR REC V26 FUTURE	25	5000	5000	5000		0
OHK	OHIO NON-SOLAR REC V27 FUTURE	25	35000	35000	35000		0
OHL	OHIO NON-SOLAR REC V28 FUTURE	25	35000	35000	35000		0
OHM	OHIO NON-SOLAR REC V29 FUTURE	25	35000	35000	35000		0
OHN	OHIO NON-SOLAR REC V30 FUTURE	25	35000	35000	35000		0
OSE	OHIO SREC V21 Future	25	3000	3000	3000		0
OSF	OHIO SREC V22 Future	25	3000	3000	3000		0
OSG	OHIO SREC V23 Future	25	3000	3000	3000		0
OSH	OHIO SREC V24 Future	25	11000	11000	11000		0
OSI	OHIO SREC V25 Future	25	11000	11000	11000		0
OSJ	OHIO SREC V26 Future	25	11000	11000	11000		0
PAE	PA AEC Tier 1 V21 Future	25	22500	22500	22500		0
PAF	PA AEC Tier 1 V22 Future	25	22500	22500	22500		0

PAG	PA AEC Tier 1 V23 Future	25	22500	22500	22500		0
PAH	PA AEC Tier 1 V24 Future	25	22500	22500	22500		0
PAI	PA AEC Tier 1 V25 Future	25	22500	22500	22500		0
PAJ	PA AEC Tier 1 V26 Future	25	22500	22500	22500		0
PAK	PA AEC Tier 1 V27 Future	25	22500	22500	22500		0
PAL	PA AEC Tier 1 V28 Future	25	22500	22500	22500		0
PAM	PA AEC Tier 1 V29 Future	25	22500	22500	22500		0
PAN	PA AEC Tier 1 V30 Future	25	22500	22500	22500		0
PAO	PA AEC Tier 1 V31 Future	25	22500	22500	22500		0
PAP	PA AEC Tier 1 V32 Future	25	22500	22500	22500		0
PAQ	PA AEC Tier 1 V33 Future	25	22500	22500	22500		0
PAR	PA AEC Tier 1 V34 Future	25	22500	22500	22500		0
PAS	PA AEC Tier 1 V35 Future	25	22500	22500	22500		0
PBE	PA AEC Tier 1 V21 Bankable Future	25	22500	22500	22500	326	0
PBF	PA AEC Tier 1 V22 Bankable Future	25	22500	22500	22500	326	0
PBG	PA AEC Tier 1 V23 Bankable Future	25	22500	22500	22500	326	0
PBH	PA AEC Tier 1 V24 Bankable Future	25	22500	22500	22500	326	0
PBI	PA AEC Tier 1 V25 Bankable Future	25	22500	22500	22500	326	0
PCE	PA AEC Tier 2 V21 Future	25	22500	22500	22500		0
PCF	PA AEC Tier 2 V22 Future	25	22500	22500	22500		0
PCG	PA AEC Tier 2 V23 Future	25	22500	22500	22500		0
PCH	PA AEC Tier 2 V24 Future	25	22500	22500	22500		0
PCI	PA AEC Tier 2 V25 Future	25	22500	22500	22500		0
PCJ	PA AEC Tier 2 V26 Future	25	22500	22500	22500		0
PCK	PA AEC Tier 2 V27 Future	25	22500	22500	22500		0
PCL	PA AEC Tier 2 V28 Future	25	22500	22500	22500		0
PCM	PA AEC Tier 2 V29 Future	25	22500	22500	22500		0
PCN	PA AEC Tier 2 V30 Future	25	22500	22500	22500		0
PHH	Henry Hub Pen 2500 Future	200	8000	24000	48000	332	1
PMD	PJM Tri-Qual REC Class 1 V20 Future	25	42500	42500	42500		0
PME	PJM Tri-Qual REC Class 1 V21 Future	25	42500	42500	42500		0
PMF	PJM Tri-Qual REC Class 1 V22 Future	25	42500	42500	42500		0
PMG	PJM Tri-Qual REC Class 1 V23 Future	25	42500	42500	42500		0
PMH	PJM Tri-Qual REC Class 1 V24 Future	25	42500	42500	42500		0
PMI	PJM Tri-Qual REC Class 1 V25 Future	25	42500	42500	42500		0
PMJ	PJM Tri-Qual REC Class 1 V26 Future	25	42500	42500	42500		0
PMK	PJM Tri-Qual REC Class 1 V27 Future	25	42500	42500	42500		0
PML	PJM Tri-Qual REC Class 1 V28 Future	25	42500	42500	42500		0
PMM	PJM Tri-Qual REC Class 1 V29 Future	25	42500	42500	42500		0
PMN	PJM Tri-Qual REC Class 1 V30 Future	25	42500	42500	42500		0
PMO	PJM Tri-Qual REC Class 1 V31 Future	25	42500	42500	42500		0

PMP	PJM Tri-Qual REC Class 1 V32 Future	25	42500	42500	42500		0
PMQ	PJM Tri-Qual REC Class 1 V33 Future	25	42500	42500	42500		0
PMR	PJM Tri-Qual REC Class 1 V34 Future	25	42500	42500	42500		0
PMS	PJM Tri-Qual REC Class 1 V35 Future	25	42500	42500	42500		0
PSE	PA SAEC V21 Future	25	10000	10000	10000		0
PSF	PA SAEC V22 Future	25	10000	10000	10000		0
PSG	PA SAEC V23 Future	25	10000	10000	10000		0
PSH	PA SAEC V24 Future	25	10000	10000	10000		0
PSI	PA SAEC V25 Future	25	10000	10000	10000		0
PSJ	PA SAEC V26 Future	25	10000	10000	10000		0
PSK	PA SAEC V27 Future	25	10000	10000	10000		0
PSL	PA SAEC V28 Future	25	10000	10000	10000		0
PSM	PA SAEC V29 Future	25	10000	10000	10000		0
PSN	PA SAEC V30 Future	25	10000	10000	10000		0
PSO	PA SAEC V31 Future	25	10000	10000	10000		0
PSP	PA SAEC V32 Future	25	10000	10000	10000		0
PSQ	PA SAEC V33 Future	25	10000	10000	10000		0
PSR	PA SAEC V34 Future	25	10000	10000	10000		0
PSS	PA SAEC V35 Future	25	10000	10000	10000		0
RCF	CT REC Class 1 V22 Future	25	17500	17500	17500		0
RCG	CT REC Class 1 V23 Future	25	17500	17500	17500		0
RCH	CT REC Class 1 V24 Future	25	17500	17500	17500		0
RCI	CT REC Class 1 V25 Future	25	17500	17500	17500		0
RCJ	CT REC Class 1 V26 Future	25	17500	17500	17500		0
RCK	CT REC Class 1 V27 Future	25	17500	17500	17500		0
RCL	CT REC Class 1 V28 Future	25	17500	17500	17500		0
RCM	CT REC Class 1 V29 Future	25	17500	17500	17500		0
RCN	CT REC Class 1 V30 Future	25	17500	17500	17500		0
RCO	CT REC Class 1 V31 Future	25	17500	17500	17500		0
RCP	CT REC Class 1 V32 Future	25	17500	17500	17500		0
RCQ	CT REC Class 1 V33 Future	25	17500	17500	17500		0
RCR	CT REC Class 1 V34 Future	25	17500	17500	17500		0
RCS	CT REC Class 1 V35 Future	25	17500	17500	17500		0
RDF	CT REC Class 2 V22 Future	25	2500	2500	2500		0
RDG	CT REC Class 2 V23 Future	25	2500	2500	2500		0
RDH	CT REC Class 2 V24 Future	25	2500	2500	2500		0
RDI	CT REC Class 2 V25 Future	25	2500	2500	2500		0
RDJ	CT REC Class 2 V26 Future	25	2500	2500	2500		0
REF	CT REC Class 3 V22 Future	25	2000	2000	2000		0
REG	CT REC Class 3 V23 Future	25	2000	2000	2000		0
REH	CT REC Class 3 V24 Future	25	2000	2000	2000		0

REI	CT REC Class 3 V25 Future	25	2000	2000	2000		0
REJ	CT REC Class 3 V26 Future	25	2000	2000	2000		0
REK	CT REC Class 3 V27 Future	25	2000	2000	2000		0
REL	CT REC Class 3 V28 Future	25	2000	2000	2000		0
REM	CT REC Class 3 V29 Future	25	2000	2000	2000		0
REN	CT REC Class 3 V30 Future	25	2000	2000	2000		0
RFC	California Low Carbon Fuel Standard Future	25	27900	27900	27900		0
RGA	RGGI V17 Future	25	25000	25000	40000		0
RGB	RGGI V18 Future	25	25000	25000	40000		0
RGC	RGGI V19 Future	25	25000	25000	40000		0
RGD	RGGI V20 Future	25	25000	25000	40000		0
RGE	RGGI V21 Future	25	25000	25000	40000		0
RGF	RGGI V22 Future	25	25000	25000	40000		0
RGG	RGGI V23 Future	25	25000	25000	40000		0
RGH	RGGI V24 Future	25	25000	25000	40000		0
RGI	RGGI V25 Future	25	25000	25000	40000		0
RGJ	RGGI V26 Future	25	25000	25000	40000		0
RGK	RGGI V27 Future	25	25000	25000	40000		0
RGL	RGGI V28 Future	25	25000	25000	40000		0
RGM	RGGI V29 Future	25	25000	25000	40000		0
RGN	RGGI V30 Future	25	25000	25000	40000		0
RIF	RI New REC V22 Future	25	2000	2000	2000		0
RIG	RI New REC V23 Future	25	2000	2000	2000		0
RIH	RI New REC V24 Future	25	2000	2000	2000		0
RII	RI New REC V25 Future	25	2000	2000	2000		0
RMC	D6 RIN V21 Future	25	354500	354500	354500		0
RMD	D6 RIN V22 Future	25	354500	354500	354500		0
RME	D6 RIN V23 Future	25	354500	354500	354500		0
RMF	D6 RIN V24 Future	25	354500	354500	354500		0
RMG	D6 RIN V25 Future	25	354500	354500	354500		0
RMV	Carbon Removal Future	25	2200	2200	2200		0
RNC	D4 RIN V21 Future	25	53900	53900	53900		0
RND	D4 RIN V22 Future	25	53900	53900	53900		0
RNE	D4 RIN V23 Future	25	53900	53900	53900		0
RNF	D4 RIN V24 Future	25	53900	53900	53900		0
RNG	D4 RIN V25 Future	25	53900	53900	53900		0
ROC	D5 RIN V21 Future	25	53900	53900	53900		0
ROD	D5 RIN V22 Future	25	53900	53900	53900		0
ROE	D5 RIN V23 Future	25	53900	53900	53900		0
ROF	D5 RIN V24 Future	25	53900	53900	53900		0
ROG	D5 RIN V25 Future	25	53900	53900	53900		0

RPC	D3 RIN V21 Future	25	8800	8800	8800		0
RPD	D3 RIN V22 Future	25	8800	8800	8800		0
RPE	D3 RIN V23 Future	25	8800	8800	8800		0
RPF	D3 RIN V24 Future	25	8800	8800	8800		0
RPG	D3 RIN V25 Future	25	8800	8800	8800		0
RTC	Renewable Natural Gas Certificate Future	25	700	700	700		0
SAB	PJM.AECO_month_2x16_dac	25	476	476	5712	2124	0
SAC	PJM.AEP_month_2x16_dac	25	9000	9000	108000	2333	0
SAD	PJM.AEP-DAYTON HUB_month_2x16_dac	25	7031	7031	84372	2536	0
SAE	PJM.APS_month_2x16_dac	25	1528	1528	18336	3859	0
SAF	PJM.ATSI_month_2x16_dac	25	2180	2180	26160	4269	0
SAG	PJM.BGE_month_2x16_dac	25	1143	1143	13716	4676	0
SAH	PJM.COMED_month_2x16_dac	25	4146	4146	49752	5891	0
SAI	PJM.DAY_month_2x16_dac	25	1100	1100	13200	6499	0
SAJ	PJM.DEOK_month_2x16_dac	25	840	840	10080	75109	0
SAK	PJM.DOM_month_2x16_dac	25	6300	6300	75600	83120	0
SAL	PJM.DOMINION HUB_month_2x16_dac	25	13200	13200	158400	85122	0
SAM	PJM.DPL_month_2x16_dac	25	643	643	7716	87126	0
SAN	PJM.DUQ_month_2x16_dac	25	501	501	6012	94134	0
SAO	PJM.EASTERN HUB_month_2x16_dac	25	10275	10275	123300	93136	0
SAP	PJM.JCPL_month_2x16_dac	25	833	833	9996	125165	0
SAQ	PJM.METED_month_2x16_dac	25	688	688	8256	150192	0
SAR	PJM.N ILLINOIS HUB_month_2x16_dac	25	5952	5952	71424	166209	0
SAT	PJM.PECO_month_2x16_dac	25	2189	2189	26268	184228	0
SAU	PJM.PENELEC_month_2x16_dac	25	1278	1278	15336	186233	0
SAV	PJM.PEPSCO_month_2x16_dac	25	1019	1019	12228	188237	0
SAW	PJM.PPL_month_2x16_dac	25	1920	1920	23040	192244	0
SAX	PJM.PSEG_month_2x16_dac	25	1548	1548	18576	194248	0
SAY	PJM.RECO_month_2x16_dac	25	47	47	564	198254	0
SAZ	PJM.WESTERN HUB_month_2x16_dac	25	9389	9389	112668	232287	0
SBA	PJM.FE OHIO_month_2x16_dac	25	2005	2005	24060	4270	0
SBC	PJM.SOUTH_month_2x16_dac	25	1781	1781	21372	384400	0
SBD	PJM.AECO_month_7x8_dac	25	292	292	3504	2122	0
SBE	PJM.AEP_month_7x8_dac	25	9000	9000	108000	2328	0
SBF	PJM.AEP-DAYTON HUB_month_7x8_dac	25	6535	6535	78420	2535	0
SBG	PJM.APS_month_7x8_dac	25	1310	1310	15720	3856	0
SBH	PJM.ATSI_month_7x8_dac	25	1754	1754	21048	4264	0
SBI	PJM.BGE_month_7x8_dac	25	897	897	10764	4675	0
SBJ	PJM.COMED_month_7x8_dac	25	3407	3407	40884	5889	0
SBK	PJM.DAY_month_7x8_dac	25	1100	1100	13200	6496	0
SBL	PJM.DEOK_month_7x8_dac	25	704	704	8448	75107	0

SBM	PJM.DOM_month_7x8_dac	25	6300	6300	75600	83117	0
SBN	PJM.DOMINION HUB_month_7x8_dac	25	12966	12966	155592	85121	0
SBO	PJM.DPL_month_7x8_dac	25	513	513	6156	87123	0
SBP	PJM.DUQ_month_7x8_dac	25	420	420	5040	94132	0
SBQ	PJM.EASTERN HUB_month_7x8_dac	25	9551	9551	114612	93135	0
SBR	PJM.ICPL_month_7x8_dac	25	609	609	7308	125164	0
SBT	PJM.METED_month_7x8_dac	25	563	563	6756	150190	0
SBU	PJM.N ILLINOIS HUB_month_7x8_dac	25	5196	5196	62352	166208	0
SBV	PJM.PECO_month_7x8_dac	25	1815	1815	21780	184226	0
SBW	PJM.PENELEC_month_7x8_dac	25	1055	1055	12660	186230	0
SBX	PJM.PEPCO_month_7x8_dac	25	833	833	9996	188236	0
SBY	PJM.PPL_month_7x8_dac	25	1593	1593	19116	192243	0
SBZ	PJM.PSEG_month_7x8_dac	25	1168	1168	14016	194247	0
SCA	PJM.RECO_month_7x8_dac	25	36	36	432	198253	0
SCB	PJM.WESTERN HUB_month_7x8_dac	25	9190	9190	110280	232286	0
SCD	PJM.FE OHIO_month_7x8_dac	25	1614	1614	19368	4265	0
SCE	PJM.SOUTH_month_7x8_dac	25	1781	1781	21372	384401	0
SCF	PJM.AECO_month_2x16_dap	25	476	476	5712	2124	0
SCG	PJM.AEP_month_2x16_dap	25	9000	9000	108000	2333	0
SCH	PJM.APS_month_2x16_dap	25	1528	1528	18336	3859	0
SCI	PJM.ATSI_month_2x16_dap	25	2180	2180	26160	4269	0
SCJ	PJM.BGE_month_2x16_dap	25	1143	1143	13716	4676	0
SCK	PJM.COMED_month_2x16_dap	25	4146	4146	49752	5891	0
SCL	PJM.DAY_month_2x16_dap	25	1100	1100	13200	6499	0
SCM	PJM.DEOK_month_2x16_dap	25	840	840	10080	75109	0
SCN	PJM.DOM_month_2x16_dap	25	6300	6300	75600	83120	0
SCO	PJM.DOMINION HUB_month_2x16_dap	25	13200	13200	158400	85122	0
SCP	PJM.DPL_month_2x16_dap	25	643	643	7716	87126	0
SCQ	PJM.DUQ_month_2x16_dap	25	501	501	6012	94134	0
SCR	PJM.EASTERN HUB_month_2x16_dap	25	10275	10275	123300	93136	0
SCT	PJM.METED_month_2x16_dap	25	688	688	8256	150192	0
SCU	PJM.PECO_month_2x16_dap	25	2189	2189	26268	184228	0
SCV	PJM.PENELEC_month_2x16_dap	25	1278	1278	15336	186233	0
SCW	PJM.PEPCO_month_2x16_dap	25	1019	1019	12228	188237	0
SCX	PJM.PSEG_month_2x16_dap	25	1548	1548	18576	194248	0
SCY	PJM.RECO_month_2x16_dap	25	47	47	564	198254	0
SCZ	PJM.FE OHIO_month_2x16_dap	25	2005	2005	24060	4270	0
SDA	PJM.SOUTH_month_2x16_dap	25	1781	1781	21372	384400	0
SDB	PJM.AECO_month_7x8_dap	25	292	292	3504	2122	0
SDC	PJM.AEP_month_7x8_dap	25	9000	9000	108000	2328	0
SDE	PJM.APS_month_7x8_dap	25	1310	1310	15720	3856	0

SDF	PJM.ATSI_month_7x8_dap	25	1754	1754	21048	4264	0
SDG	PJM.BGE_month_7x8_dap	25	897	897	10764	4675	0
SDH	PJM.COMED_month_7x8_dap	25	3407	3407	40884	5889	0
SDI	PJM.DAY_month_7x8_dap	25	1100	1100	13200	6496	0
SDJ	PJM.DEOK_month_7x8_dap	25	704	704	8448	75107	0
SDK	PJM.DOM_month_7x8_dap	25	6300	6300	75600	83117	0
SDL	PJM.DOMINION HUB_month_7x8_dap	25	12966	12966	155592	85121	0
SDM	PJM.DPL_month_7x8_dap	25	513	513	6156	87123	0
SDN	PJM.DUQ_month_7x8_dap	25	420	420	5040	91132	0
SDO	PJM.EASTERN HUB_month_7x8_dap	25	9551	9551	114612	93135	0
SDP	PJM.METED_month_7x8_dap	25	563	563	6756	150190	0
SDQ	PJM.PECO_month_7x8_dap	25	1815	1815	21780	184226	0
SDR	PJM.PENELEC_month_7x8_dap	25	1055	1055	12660	186230	0
SDT	PJM.PEPCO_month_7x8_dap	25	833	833	9996	188236	0
SDU	PJM.PSEG_month_7x8_dap	25	1168	1168	14016	194247	0
SDV	PJM.RECO_month_7x8_dap	25	36	36	432	198253	0
SDW	PJM.FE OHIO_month_7x8_dap	25	1614	1614	19368	4265	0
SDX	PJM.SOUTH_month_7x8_dap	25	1781	1781	21372	384401	0
SGG	NJ REC Class 2 V23 Future	25	7350	7350	7350		0
SGH	NJ REC Class 2 V24 Future	25	7350	7350	7350		0
SGI	NJ REC Class 2 V25 Future	25	7350	7350	7350		0
SGJ	NJ REC Class 2 V26 Future	25	7350	7350	7350		0
SGK	NJ REC Class 2 V27 Future	25	7350	7350	7350		0
SGL	NJ REC Class 2 V28 Future	25	7350	7350	7350		0
SGM	NJ REC Class 2 V29 Future	25	7350	7350	7350		0
SGN	NJ REC Class 2 V30 Future	25	7350	7350	7350		0
TBE	TX REC CRS V21 Back Half Future	25	11541	11541	11541		0
TBF	TX REC CRS V22 Back Half Future	25	11541	11541	11541		0
TBG	TX REC CRS V23 Back Half Future	25	11541	11541	11541		0
TBH	TX REC CRS V24 Back Half Future	25	11541	11541	11541		0
TBI	TX REC CRS V25 Back Half Future	25	11541	11541	11541		0
TBJ	TX REC CRS V26 Back Half Future	25	11541	11541	11541		0
TBK	TX REC CRS V27 Back Half Future	25	11541	11541	11541		0
TBL	TX REC CRS V28 Back Half Future	25	11541	11541	11541		0
TBM	TX REC CRS V29 Back Half Future	25	11541	11541	11541		0
TBN	TX REC CRS V30 Back Half Future	25	11541	11541	11541		0
TBO	TX REC CRS V31 Back Half Future	25	11541	11541	11541		0
TBP	TX REC CRS V32 Back Half Future	25	11541	11541	11541		0
TBQ	TX REC CRS V33 Back Half Future	25	11541	11541	11541		0
TBR	TX REC CRS V34 Back Half Future	25	11670	11670	11670		0
TBS	TX REC CRS V35 Back Half Future	25	11670	11670	11670		0

TFE	TX REC CRS V21 Front Half Future	25	11541	11541	11541		0
TFF	TX REC CRS V22 Front Half Future	25	11541	11541	11541		0
TFG	TX REC CRS V23 Front Half Future	25	11541	11541	11541		0
TFH	TX REC CRS V24 Front Half Future	25	11541	11541	11541		0
TFI	TX REC CRS V25 Front Half Future	25	11541	11541	11541		0
TFJ	TX REC CRS V26 Front Half Future	25	11541	11541	11541		0
TFK	TX REC CRS V27 Front Half Future	25	11541	11541	11541		0
TFL	TX REC CRS V28 Front Half Future	25	11541	11541	11541		0
TFM	TX REC CRS V29 Front Half Future	25	11541	11541	11541		0
TFN	TX REC CRS V30 Front Half Future	25	11541	11541	11541		0
TFO	TX REC CRS V31 Front Half Future	25	11541	11541	11541		0
TFP	TX REC CRS V32 Front Half Future	25	11541	11541	11541		0
TFQ	TX REC CRS V33 Front Half Future	25	11541	11541	11541		0
TFR	TX REC CRS V34 Front Half Future	25	11670	11670	11670		0
TFS	TX REC CRS V35 Front Half Future	25	11670	11670	11670		0
TSB	TX Solar REC CRS V21 Front Half Future	25	1076	1076	1076		0
TSC	TX Solar REC CRS V22 Front Half Future	25	1076	1076	1076		0
TSD	TX Solar REC CRS V23 Front Half Future	25	1076	1076	1076		0
TSE	TX Solar REC CRS V24 Front Half Future	25	1076	1076	1076		0
TSF	TX Solar REC CRS V25 Front Half Future	25	1076	1076	1076		0
TSG	TX Solar REC CRS V26 Front Half Future	25	1076	1076	1076		0
TSH	TX Solar REC CRS V27 Front Half Future	25	1076	1076	1076		0
TSI	TX Solar REC CRS V28 Front Half Future	25	1076	1076	1076		0
TSJ	TX Solar REC CRS V29 Front Half Future	25	1076	1076	1076		0
TSK	TX Solar REC CRS V30 Front Half Future	25	1076	1076	1076		0
TSL	TX Solar REC CRS V31 Front Half Future	25	1370	1370	1370		0
TSM	TX Solar REC CRS V32 Front Half Future	25	1370	1370	1370		0
TSN	TX Solar REC CRS V33 Front Half Future	25	1370	1370	1370		0
TSO	TX Solar REC CRS V34 Front Half Future	25	1370	1370	1370		0
TSP	TX Solar REC CRS V35 Front Half Future	25	1370	1370	1370		0
TTB	TX Solar REC CRS V21 Back Half Future	25	1076	1076	1076		0
TTC	TX Solar REC CRS V22 Back Half Future	25	1076	1076	1076		0
TTD	TX Solar REC CRS V23 Back Half Future	25	1076	1076	1076		0
TTE	TX Solar REC CRS V24 Back Half Future	25	1076	1076	1076		0
TTF	TX Solar REC CRS V25 Back Half Future	25	1076	1076	1076		0
TTG	TX Solar REC CRS V26 Back Half Future	25	1076	1076	1076		0
TTH	TX Solar REC CRS V27 Back Half Future	25	1076	1076	1076		0
TTI	TX Solar REC CRS V28 Back Half Future	25	1076	1076	1076		0
TTJ	TX Solar REC CRS V29 Back Half Future	25	1076	1076	1076		0
TTK	TX Solar REC CRS V30 Back Half Future	25	1076	1076	1076		0
TTL	TX Solar REC CRS V31 Back Half Future	25	1370	1370	1370		0

TTM	TX Solar REC CRS V32 Back Half Future	25	1370	1370	1370		0
TTN	TX Solar REC CRS V33 Back Half Future	25	1370	1370	1370		0
TTO	TX Solar REC CRS V34 Back Half Future	25	1370	1370	1370		0
TTP	TX Solar REC CRS V35 Back Half Future	25	1370	1370	1370		0
TXE	TX Cmplnc REC Specific V21 Future	25	5000	7500	15000		0
TXF	TX Cmplnc REC Specific V22 Future	25	5000	7500	15000		0
TXG	TX Cmplnc REC Specific V23 Future	25	5000	7500	15000		0
TXH	TX Cmplnc REC Specific V24 Future	25	5000	7500	15000		0
TXI	TX Cmplnc REC Specific V25 Future	25	5000	7500	15000		0
TXJ	TX Cmplnc REC Specific V26 Future	25	5000	7500	15000		0
TXK	TX Cmplnc REC Specific V27 Future	25	5000	7500	15000		0
TXL	TX Cmplnc REC Specific V28 Future	25	5000	7500	15000		0
TXM	TX Cmplnc REC Specific V29 Future	25	5000	7500	15000		0
TXN	TX Cmplnc REC Specific V30 Future	25	5000	7500	15000		0
VER	VER CORSIA Eligible Future	25	9000	9000	9000		0
WAF	CA PCC 3 REC V22 Future	25	26700	26700	26700		0
WAG	CA PCC 3 REC V23 Future	25	28600	28600	28600		0
WAH	CA PCC 3 REC V24 Future	25	30500	30500	30500		0
WAI	CA PCC 3 REC V25 Future	25	32300	32300	32300		0
WAJ	CA PCC 3 REC V26 Future	25	34200	34200	34200		0
WAK	CA PCC 3 REC V27 Future	25	36100	36100	36100		0
WAL	CA PCC 3 REC V28 Future	25	37900	37900	37900		0
WAM	CA PCC 3 REC V29 Future	25	39800	39800	39800		0
WAN	CA PCC 3 REC V30 Future	25	41500	41500	41500		0
WCA	CCA V17 Future	25	25000	25000	30000		0
WCB	CCA V18 Future	25	25000	25000	30000		0
WCC	CCA V19 Future	25	25000	25000	30000		0
WCD	CCA V20 Future	25	25000	25000	30000		0
WCE	CCA V21 Future	25	25000	25000	30000		0
WCF	CCA V22 Future	25	25000	25000	30000		0
WCG	CCA V23 Future	25	25000	25000	30000		0
WCH	CCA V24 Future	25	25000	25000	30000		0
WCI	CCA V25 Future	25	25000	25000	30000		0
WCJ	CCA V26 Future	25	25000	25000	30000		0
WCK	CCA V27 Future	25	25000	25000	30000		0
WCL	CCA V28 Future	25	25000	25000	30000		0
WCM	CCA V29 Future	25	25000	25000	30000		0
WCN	CCA V30 Future	25	25000	25000	30000		0
WDE	DC REC Tier 1 V21 Future	25	4000	4000	4000		0
WDF	DC REC Tier 1 V22 Future	25	4000	4000	4000		0
WDG	DC REC Tier 1 V23 Future	25	4000	4000	4000		0

WDH	DC REC Tier 1 V24 Future	25	4000	4000	4000		0
WDI	DC REC Tier 1 V25 Future	25	4000	4000	4000		0
WDJ	DC REC Tier 1 V26 Future	25	4000	4000	4000		0
WDK	DC REC Tier 1 V27 Future	25	4000	4000	4000		0
WDL	DC REC Tier 1 V28 Future	25	4000	4000	4000		0
WDM	DC REC Tier 1 V29 Future	25	4000	4000	4000		0
WDN	DC REC Tier 1 V30 Future	25	4000	4000	4000		0
WME	WREGIS REC CRS Wind V21 Front Half Future	25	4500	4500	4500		0
WMF	WREGIS REC CRS Wind V22 Front Half Future	25	4500	4500	4500		0
WMG	WREGIS REC CRS Wind V23 Front Half Future	25	4500	4500	4500		0
WMH	WREGIS REC CRS Wind V24 Front Half Future	25	4500	4500	4500		0
WMI	WREGIS REC CRS Wind V25 Front Half Future	25	4500	4500	4500		0
WMJ	WREGIS REC CRS Wind V26 Front Half Future	25	4500	4500	4500		0
WMK	WREGIS REC CRS Wind V27 Front Half Future	25	4500	4500	4500		0
WML	WREGIS REC CRS Wind V28 Front Half Future	25	4500	4500	4500		0
WMM	WREGIS REC CRS Wind V29 Front Half Future	25	4500	4500	4500		0
WMN	WREGIS REC CRS Wind V30 Front Half Future	25	4500	4500	4500		0
WNE	WREGIS REC CRS Wind V21 Back Half Future	25	4500	4500	4500		0
WNF	WREGIS REC CRS Wind V22 Back Half Future	25	4500	4500	4500		0
WNG	WREGIS REC CRS Wind V23 Back Half Future	25	4500	4500	4500		0
WNH	WREGIS REC CRS Wind V24 Back Half Future	25	4500	4500	4500		0
WNI	WREGIS REC CRS Wind V25 Back Half Future	25	4500	4500	4500		0
WNJ	WREGIS REC CRS Wind V26 Back Half Future	25	4500	4500	4500		0
WNK	WREGIS REC CRS Wind V27 Back Half Future	25	4500	4500	4500		0
WNL	WREGIS REC CRS Wind V28 Back Half Future	25	4500	4500	4500		0
WNM	WREGIS REC CRS Wind V29 Back Half Future	25	4500	4500	4500		0
WNN	WREGIS REC CRS Wind V30 Back Half Future	25	4500	4500	4500		0
WRE	DC SREC V21 Future	25	1500	1500	1500		0
WRF	DC SREC V22 Future	25	1500	1500	1500		0
WRG	DC SREC V23 Future	25	1500	1500	1500		0
WRH	DC SREC V24 Future	25	1500	1500	1500		0
WRI	DC SREC V25 Future	25	1500	1500	1500		0
WRJ	DC SREC V26 Future	25	1500	1500	1500		0
WRK	DC SREC V27 Future	25	3125	3125	3125		0
WRL	DC SREC V28 Future	25	3125	3125	3125		0
WRM	DC SREC V29 Future	25	3125	3125	3125		0
WRN	DC SREC V30 Future	25	3125	3125	3125		0
WSC	CCA Specific V19 Future	25	4500	4500	4500		0

WSD	CCA Specific V20 Future	25	4500	4500	4500		0
WSE	CCA Specific V21 Future	25	4500	4500	4500		0
WSF	CCA Specific V22 Future	25	4500	4500	4500		0
WSG	CCA Specific V23 Future	25	4500	4500	4500		0
WSH	CCA Specific V24 Future	25	4500	4500	4500		0
WSI	CCA Specific V25 Future	25	4500	4500	4500		0
WSJ	CCA Specific V26 Future	25	4500	4500	4500		0
WSK	CCA Specific V27 Future	25	4500	4500	4500		0
WSL	CCA Specific V28 Future	25	4500	4500	4500		0
WSM	CCA Specific V29 Future	25	4500	4500	4500		0
WSN	CCA Specific V30 Future	25	4500	4500	4500		0
WTA	CA Carbon Offset 8 Future	25	26300	26300	26300		0
WTB	CA Carbon Offset 0 Future	25	8550	8550	8550		0
<p>* In addition to the individual position limit of each contract, Nodal Exchange has a separate algorithm to check the combined position limit of contracts within the same aggregation group./** For Options expiring during, or at the close of, the Underlying Contract's delivery period, the combined Underlying Contract and futures-equivalent Options position will be subject to the position limit established for the Underlying Contract./*** Reporting Level for Option is 25.</p>							
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