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
FHK	PJM.WESTERN HUB_month_on_dap	25	~~1023~~10345	~~1023~~10345	~~122772~~124140	233	0
FHKD	PJM.WESTERN HUB_daily_on_dap	25	~~1023~~10345	~~1023~~10345	~~634322~~641390	233	0
FHL	PJM.WESTERN HUB_month_off_dap	25	~~943~~10114	~~943~~10114	~~113268~~121368	232	0
FHLD	PJM.WESTERN HUB_daily_off_dap	25	~~943~~10114	~~943~~10114	~~585218~~627068	232	0
FKA01	PJM.AEP-DAYTON HUB_he01_rtp	25	6535	6535	32675	27	0
FKA02	PJM.AEP-DAYTON HUB_he02_rtp	25	6535	6535	32675	27	0
FKA03	PJM.AEP-DAYTON HUB_he03_rtp	25	6535	6535	32675	27	0
FKA04	PJM.AEP-DAYTON HUB_he04_rtp	25	6535	6535	32675	27	0
FKA05	PJM.AEP-DAYTON HUB_he05_rtp	25	6535	6535	32675	27	0
FKA06	PJM.AEP-DAYTON HUB_he06_rtp	25	6535	6535	32675	27	0
FKA07	PJM.AEP-DAYTON HUB_he07_rtp	25	6535	6535	32675	27	0
FKA08	PJM.AEP-DAYTON HUB_he08_rtp	25	7031	7031	35155	448	0
FKA09	PJM.AEP-DAYTON HUB_he09_rtp	25	7031	7031	35155	448	0
FKA10	PJM.AEP-DAYTON HUB_he10_rtp	25	7031	7031	35155	448	0
FKA11	PJM.AEP-DAYTON HUB_he11_rtp	25	7031	7031	35155	448	0
FKA12	PJM.AEP-DAYTON HUB_he12_rtp	25	7031	7031	35155	448	0
FKA13	PJM.AEP-DAYTON HUB_he13_rtp	25	7031	7031	35155	448	0
FKA14	PJM.AEP-DAYTON HUB_he14_rtp	25	7031	7031	35155	448	0
FKA15	PJM.AEP-DAYTON HUB_he15_rtp	25	7031	7031	35155	448	0
FKA16	PJM.AEP-DAYTON HUB_he16_rtp	25	7031	7031	35155	448	0
FKA17	PJM.AEP-DAYTON HUB_he17_rtp	25	7031	7031	35155	448	0
FKA18	PJM.AEP-DAYTON HUB_he18_rtp	25	7031	7031	35155	448	0
FKA19	PJM.AEP-DAYTON HUB_he19_rtp	25	7031	7031	35155	448	0
FKA20	PJM.AEP-DAYTON HUB_he20_rtp	25	7031	7031	35155	448	0
FKA21	PJM.AEP-DAYTON HUB_he21_rtp	25	7031	7031	35155	448	0
FKA22	PJM.AEP-DAYTON HUB_he22_rtp	25	7031	7031	35155	448	0
FKA23	PJM.AEP-DAYTON HUB_he23_rtp	25	7031	7031	35155	448	0
FKA24	PJM.AEP-DAYTON HUB_he24_rtp	25	6535	6535	32675	27	0
FKC01	PJM.N ILLINOIS HUB_he01_rtp	25	5196	5196	25980	317	0

FKC02	PJM.N ILLINOIS HUB_he02_rtp	25	5196	5196	25980	317	0
FKC03	PJM.N ILLINOIS HUB_he03_rtp	25	5196	5196	25980	317	0
FKC04	PJM.N ILLINOIS HUB_he04_rtp	25	5196	5196	25980	317	0
FKC05	PJM.N ILLINOIS HUB_he05_rtp	25	5196	5196	25980	317	0
FKC06	PJM.N ILLINOIS HUB_he06_rtp	25	5196	5196	25980	317	0
FKC07	PJM.N ILLINOIS HUB_he07_rtp	25	5196	5196	25980	317	0
FKC08	PJM.N ILLINOIS HUB_he08_rtp	25	5952	5952	29760	449	0
FKC09	PJM.N ILLINOIS HUB_he09_rtp	25	5952	5952	29760	449	0
FKC10	PJM.N ILLINOIS HUB_he10_rtp	25	5952	5952	29760	449	0
FKC11	PJM.N ILLINOIS HUB_he11_rtp	25	5952	5952	29760	449	0
FKC12	PJM.N ILLINOIS HUB_he12_rtp	25	5952	5952	29760	449	0
FKC13	PJM.N ILLINOIS HUB_he13_rtp	25	5952	5952	29760	449	0
FKC14	PJM.N ILLINOIS HUB_he14_rtp	25	5952	5952	29760	449	0
FKC15	PJM.N ILLINOIS HUB_he15_rtp	25	5952	5952	29760	449	0
FKC16	PJM.N ILLINOIS HUB_he16_rtp	25	5952	5952	29760	449	0
FKC17	PJM.N ILLINOIS HUB_he17_rtp	25	5952	5952	29760	449	0
FKC18	PJM.N ILLINOIS HUB_he18_rtp	25	5952	5952	29760	449	0
FKC19	PJM.N ILLINOIS HUB_he19_rtp	25	5952	5952	29760	449	0
FKC20	PJM.N ILLINOIS HUB_he20_rtp	25	5952	5952	29760	449	0
FKC21	PJM.N ILLINOIS HUB_he21_rtp	25	5952	5952	29760	449	0
FKC22	PJM.N ILLINOIS HUB_he22_rtp	25	5952	5952	29760	449	0
FKC23	PJM.N ILLINOIS HUB_he23_rtp	25	5952	5952	29760	449	0
FKC24	PJM.N ILLINOIS HUB_he24_rtp	25	5196	5196	25980	317	0
FKE	PJM.WESTERN HUB_month_on_rtp	25	~~10231~~10345	~~10231~~10345	~~122772~~124140	390	0
FKE01	PJM.WESTERN HUB_he01_rtp	25	10114	10114	50570	234	0
FKE02	PJM.WESTERN HUB_he02_rtp	25	10114	10114	50570	234	0
FKE03	PJM.WESTERN HUB_he03_rtp	25	10114	10114	50570	234	0
FKE04	PJM.WESTERN HUB_he04_rtp	25	10114	10114	50570	234	0
FKE05	PJM.WESTERN HUB_he05_rtp	25	10114	10114	50570	234	0
FKE06	PJM.WESTERN HUB_he06_rtp	25	10114	10114	50570	234	0
FKE07	PJM.WESTERN HUB_he07_rtp	25	10114	10114	50570	234	0
FKE08	PJM.WESTERN HUB_he08_rtp	25	10345	10345	51725	390	0

FKE09	PJM.WESTERN HUB_he09_rtp	25	10345	10345	51725	390	0
FKE10	PJM.WESTERN HUB_he10_rtp	25	10345	10345	51725	390	0
FKE11	PJM.WESTERN HUB_he11_rtp	25	10345	10345	51725	390	0
FKE12	PJM.WESTERN HUB_he12_rtp	25	10345	10345	51725	390	0
FKE13	PJM.WESTERN HUB_he13_rtp	25	10345	10345	51725	390	0
FKE14	PJM.WESTERN HUB_he14_rtp	25	10345	10345	51725	390	0
FKE15	PJM.WESTERN HUB_he15_rtp	25	10345	10345	51725	390	0
FKE16	PJM.WESTERN HUB_he16_rtp	25	10345	10345	51725	390	0
FKE17	PJM.WESTERN HUB_he17_rtp	25	10345	10345	51725	390	0
FKE18	PJM.WESTERN HUB_he18_rtp	25	10345	10345	51725	390	0
FKE19	PJM.WESTERN HUB_he19_rtp	25	10345	10345	51725	390	0
FKE20	PJM.WESTERN HUB_he20_rtp	25	10345	10345	51725	390	0
FKE21	PJM.WESTERN HUB_he21_rtp	25	10345	10345	51725	390	0
FKE22	PJM.WESTERN HUB_he22_rtp	25	10345	10345	51725	390	0
FKE23	PJM.WESTERN HUB_he23_rtp	25	10345	10345	51725	390	0
FKE24	PJM.WESTERN HUB_he24_rtp	25	10114	10114	50570	234	0
FKED	PJM.WESTERN HUB_daily_on_rtp	25	~~10231~~10345	~~10231~~10345	~~634322~~641390	390	0
FKF	PJM.WESTERN HUB_month_off_rtp	25	~~9439~~10114	~~9439~~10114	~~113268~~121368	234	0
FKFD	PJM.WESTERN HUB_daily_off_rtp	25	~~9439~~10114	~~9439~~10114	~~585218~~627068	234	0
FOI	ERCOT.HB_HOUSTON_month_on_rtp	25	~~5318~~5295	~~5318~~5295	~~63816~~63540	394	0
FOI01	ERCOT.HB_HOUSTON_he01_rtp	25	5264	5264	26320	106	0
FOI02	ERCOT.HB_HOUSTON_he02_rtp	25	5264	5264	26320	106	0
FOI03	ERCOT.HB_HOUSTON_he03_rtp	25	5264	5264	26320	106	0
FOI04	ERCOT.HB_HOUSTON_he04_rtp	25	5264	5264	26320	106	0
FOI05	ERCOT.HB_HOUSTON_he05_rtp	25	5264	5264	26320	106	0
FOI06	ERCOT.HB_HOUSTON_he06_rtp	25	5264	5264	26320	106	0
FOI07	ERCOT.HB_HOUSTON_he07_rtp	25	5295	5295	26475	394	0
FOI08	ERCOT.HB_HOUSTON_he08_rtp	25	5295	5295	26475	394	0
FOI09	ERCOT.HB_HOUSTON_he09_rtp	25	5295	5295	26475	394	0
FOI10	ERCOT.HB_HOUSTON_he10_rtp	25	5295	5295	26475	394	0
FOI11	ERCOT.HB_HOUSTON_he11_rtp	25	5295	5295	26475	394	0
FOI12	ERCOT.HB_HOUSTON_he12_rtp	25	5295	5295	26475	394	0

FOI13	ERCOT.HB_HOUSTON_he13_rtp	25	5295	5295	26475	394	0
FOI14	ERCOT.HB_HOUSTON_he14_rtp	25	5295	5295	26475	394	0
FOI15	ERCOT.HB_HOUSTON_he15_rtp	25	5295	5295	26475	394	0
FOI16	ERCOT.HB_HOUSTON_he16_rtp	25	5295	5295	26475	394	0
FOI17	ERCOT.HB_HOUSTON_he17_rtp	25	5295	5295	26475	394	0
FOI18	ERCOT.HB_HOUSTON_he18_rtp	25	5295	5295	26475	394	0
FOI19	ERCOT.HB_HOUSTON_he19_rtp	25	5295	5295	26475	394	0
FOI20	ERCOT.HB_HOUSTON_he20_rtp	25	5295	5295	26475	394	0
FOI21	ERCOT.HB_HOUSTON_he21_rtp	25	5295	5295	26475	394	0
FOI22	ERCOT.HB_HOUSTON_he22_rtp	25	5295	5295	26475	394	0
FOI23	ERCOT.HB_HOUSTON_he23_rtp	25	5264	5264	26320	106	0
FOI24	ERCOT.HB_HOUSTON_he24_rtp	25	5264	5264	26320	106	0
FOID	ERCOT.HB_HOUSTON_daily_on_rtp	25	~~5318~~5295	~~5318~~5295	~~329716~~328290	394	0
FOJ	ERCOT.HB_HOUSTON_month_off_rtp	25	~~5286~~5264	~~5286~~5264	~~6343~~63168	106	0
FOK	ERCOT.HB_NORTH_month_on_rtp	25	~~7252~~7113	~~7252~~7113	~~8702~~85356	393	0
FOK01	ERCOT.HB_NORTH_he01_rtp	25	7071	7071	35355	108	0
FOK02	ERCOT.HB_NORTH_he02_rtp	25	7071	7071	35355	108	0
FOK03	ERCOT.HB_NORTH_he03_rtp	25	7071	7071	35355	108	0
FOK04	ERCOT.HB_NORTH_he04_rtp	25	7071	7071	35355	108	0
FOK05	ERCOT.HB_NORTH_he05_rtp	25	7071	7071	35355	108	0
FOK06	ERCOT.HB_NORTH_he06_rtp	25	7071	7071	35355	108	0
FOK07	ERCOT.HB_NORTH_he07_rtp	25	7113	7113	35565	393	0
FOK08	ERCOT.HB_NORTH_he08_rtp	25	7113	7113	35565	393	0
FOK09	ERCOT.HB_NORTH_he09_rtp	25	7113	7113	35565	393	0
FOK10	ERCOT.HB_NORTH_he10_rtp	25	7113	7113	35565	393	0
FOK11	ERCOT.HB_NORTH_he11_rtp	25	7113	7113	35565	393	0
FOK12	ERCOT.HB_NORTH_he12_rtp	25	7113	7113	35565	393	0
FOK13	ERCOT.HB_NORTH_he13_rtp	25	7113	7113	35565	393	0
FOK14	ERCOT.HB_NORTH_he14_rtp	25	7113	7113	35565	393	0
FOK15	ERCOT.HB_NORTH_he15_rtp	25	7113	7113	35565	393	0
FOK16	ERCOT.HB_NORTH_he16_rtp	25	7113	7113	35565	393	0
FOK17	ERCOT.HB_NORTH_he17_rtp	25	7113	7113	35565	393	0

FOK18	ERCOT.HB_NORTH_he18_rtp	25	7113	7113	35565	393	0
FOK19	ERCOT.HB_NORTH_he19_rtp	25	7113	7113	35565	393	0
FOK20	ERCOT.HB_NORTH_he20_rtp	25	7113	7113	35565	393	0
FOK21	ERCOT.HB_NORTH_he21_rtp	25	7113	7113	35565	393	0
FOK22	ERCOT.HB_NORTH_he22_rtp	25	7113	7113	35565	393	0
FOK23	ERCOT.HB_NORTH_he23_rtp	25	7071	7071	35355	108	0
FOK24	ERCOT.HB_NORTH_he24_rtp	25	7071	7071	35355	108	0
FOKD	ERCOT.HB_NORTH_daily_on_rtp	25	~~7252~~7113	~~7252~~7113	~~449624~~441006	393	0
FOL	ERCOT.HB_NORTH_month_off_rtp	25	~~7208~~7071	~~7208~~7071	~~864968~~4852	108	0
FOLD	ERCOT.HB_NORTH_daily_off_rtp	25	~~7208~~7071	~~7208~~7071	~~446896~~438402	108	0
FOM	ERCOT.HB_SOUTH_month_on_rtp	25	~~2895~~2877	~~2895~~2877	~~347403~~4524	392	0
FOM01	ERCOT.HB_SOUTH_he01_rtp	25	2860	2860	14300	110	0
FOM02	ERCOT.HB_SOUTH_he02_rtp	25	2860	2860	14300	110	0
FOM03	ERCOT.HB_SOUTH_he03_rtp	25	2860	2860	14300	110	0
FOM04	ERCOT.HB_SOUTH_he04_rtp	25	2860	2860	14300	110	0
FOM05	ERCOT.HB_SOUTH_he05_rtp	25	2860	2860	14300	110	0
FOM06	ERCOT.HB_SOUTH_he06_rtp	25	2860	2860	14300	110	0
FOM07	ERCOT.HB_SOUTH_he07_rtp	25	2877	2877	14385	392	0
FOM08	ERCOT.HB_SOUTH_he08_rtp	25	2877	2877	14385	392	0
FOM09	ERCOT.HB_SOUTH_he09_rtp	25	2877	2877	14385	392	0
FOM10	ERCOT.HB_SOUTH_he10_rtp	25	2877	2877	14385	392	0
FOM11	ERCOT.HB_SOUTH_he11_rtp	25	2877	2877	14385	392	0
FOM12	ERCOT.HB_SOUTH_he12_rtp	25	2877	2877	14385	392	0
FOM13	ERCOT.HB_SOUTH_he13_rtp	25	2877	2877	14385	392	0
FOM14	ERCOT.HB_SOUTH_he14_rtp	25	2877	2877	14385	392	0
FOM15	ERCOT.HB_SOUTH_he15_rtp	25	2877	2877	14385	392	0
FOM16	ERCOT.HB_SOUTH_he16_rtp	25	2877	2877	14385	392	0
FOM17	ERCOT.HB_SOUTH_he17_rtp	25	2877	2877	14385	392	0
FOM18	ERCOT.HB_SOUTH_he18_rtp	25	2877	2877	14385	392	0
FOM19	ERCOT.HB_SOUTH_he19_rtp	25	2877	2877	14385	392	0
FOM20	ERCOT.HB_SOUTH_he20_rtp	25	2877	2877	14385	392	0
FOM21	ERCOT.HB_SOUTH_he21_rtp	25	2877	2877	14385	392	0

FOM22	ERCOT.HB_SOUTH_he22_rtp	25	2877	2877	14385	392	0
FOM23	ERCOT.HB_SOUTH_he23_rtp	25	2860	2860	14300	110	0
FOM24	ERCOT.HB_SOUTH_he24_rtp	25	2860	2860	14300	110	0
FOMD	ERCOT.HB_SOUTH_daily_on_rtp	25	~~2895~~2877	~~2895~~2877	~~179490~~178374	392	0
FON	ERCOT.HB_SOUTH_month_off_rtp	25	~~2878~~2860	~~2878~~2860	~~34536~~34320	110	0
FOO	ERCOT.HB_WEST_month_on_rtp	25	~~2569~~2782	~~2569~~2782	~~30828~~33384	391	0
FOO01	ERCOT.HB_WEST_he01_rtp	25	2765	2765	13825	112	0
FOO02	ERCOT.HB_WEST_he02_rtp	25	2765	2765	13825	112	0
FOO03	ERCOT.HB_WEST_he03_rtp	25	2765	2765	13825	112	0
FOO04	ERCOT.HB_WEST_he04_rtp	25	2765	2765	13825	112	0
FOO05	ERCOT.HB_WEST_he05_rtp	25	2765	2765	13825	112	0
FOO06	ERCOT.HB_WEST_he06_rtp	25	2765	2765	13825	112	0
FOO07	ERCOT.HB_WEST_he07_rtp	25	2782	2782	13910	391	0
FOO08	ERCOT.HB_WEST_he08_rtp	25	2782	2782	13910	391	0
FOO09	ERCOT.HB_WEST_he09_rtp	25	2782	2782	13910	391	0
FOO10	ERCOT.HB_WEST_he10_rtp	25	2782	2782	13910	391	0
FOO11	ERCOT.HB_WEST_he11_rtp	25	2782	2782	13910	391	0
FOO12	ERCOT.HB_WEST_he12_rtp	25	2782	2782	13910	391	0
FOO13	ERCOT.HB_WEST_he13_rtp	25	2782	2782	13910	391	0
FOO14	ERCOT.HB_WEST_he14_rtp	25	2782	2782	13910	391	0
FOO15	ERCOT.HB_WEST_he15_rtp	25	2782	2782	13910	391	0
FOO16	ERCOT.HB_WEST_he16_rtp	25	2782	2782	13910	391	0
FOO17	ERCOT.HB_WEST_he17_rtp	25	2782	2782	13910	391	0
FOO18	ERCOT.HB_WEST_he18_rtp	25	2782	2782	13910	391	0
FOO19	ERCOT.HB_WEST_he19_rtp	25	2782	2782	13910	391	0
FOO20	ERCOT.HB_WEST_he20_rtp	25	2782	2782	13910	391	0
FOO21	ERCOT.HB_WEST_he21_rtp	25	2782	2782	13910	391	0
FOO22	ERCOT.HB_WEST_he22_rtp	25	2782	2782	13910	391	0
FOO23	ERCOT.HB_WEST_he23_rtp	25	2765	2765	13825	112	0
FOO24	ERCOT.HB_WEST_he24_rtp	25	2765	2765	13825	112	0
FOOD	ERCOT.HB_WEST_daily_on_rtp	25	~~2569~~2782	~~2569~~2782	~~159278~~172484	391	0
FOP	ERCOT.HB_WEST_month_off_rtp	25	~~2554~~2765	~~2554~~2765	~~30648~~33180	112	0

FVC	ERCOT.HB_HOUSTON_month_on_dap	25	~~53185~~295	~~53185~~295	~~6381~~63540	413	0
FVD	ERCOT.HB_HOUSTON_month_off_dap	25	~~52865~~264	~~52865~~264	~~6343~~63168	105	0
FVE	ERCOT.HB_NORTH_month_on_dap	25	~~7252~~7113	~~7252~~7113	~~8702~~85356	414	0
FVED	ERCOT.HB_NORTH_daily_on_dap	25	~~7252~~7113	~~7252~~7113	~~449624~~441006	414	0
FVF	ERCOT.HB_NORTH_month_off_dap	25	~~7208~~7071	~~7208~~7071	~~8649~~84852	107	0
FVFD	ERCOT.HB_NORTH_daily_off_dap	25	~~7208~~7071	~~7208~~7071	~~446896~~438402	107	0
FVG	ERCOT.HB_SOUTH_month_on_dap	25	~~2895~~2877	~~2895~~2877	~~3474~~34524	415	0
FVH	ERCOT.HB_SOUTH_month_off_dap	25	~~2878~~2860	~~2878~~2860	~~3453~~34320	109	0
FVI	ERCOT.HB_WEST_month_on_dap	25	~~2569~~2782	~~2569~~2782	~~3082~~33384	416	0
FVJ	ERCOT.HB_WEST_month_off_dap	25	~~2554~~2765	~~2554~~2765	~~3064~~33180	111	0
GAK	ERCOT.HB_HOUSTON_month_2x16_dap	25	~~53185~~295	~~53185~~295	~~6381~~63540	413	0
GAL	ERCOT.HB_HOUSTON_month_7x8_dap	25	~~52865~~264	~~52865~~264	~~6343~~63168	105	0
GAM	ERCOT.HB_NORTH_month_2x16_dap	25	~~7252~~7113	~~7252~~7113	~~8702~~85356	414	0
GAN	ERCOT.HB_NORTH_month_7x8_dap	25	~~7208~~7071	~~7208~~7071	~~8649~~84852	107	0
GAO	ERCOT.HB_SOUTH_month_2x16_dap	25	~~2895~~2877	~~2895~~2877	~~3474~~34524	415	0
GAP	ERCOT.HB_SOUTH_month_7x8_dap	25	~~2878~~2860	~~2878~~2860	~~3453~~34320	109	0
GAQ	ERCOT.HB_WEST_month_2x16_dap	25	~~2569~~2782	~~2569~~2782	~~3082~~33384	416	0
GAR	ERCOT.HB_WEST_month_7x8_dap	25	~~2554~~2765	~~2554~~2765	~~3064~~33180	111	0
GBA	ERCOT.HB_HOUSTON_month_2x16_rtp	25	~~53185~~295	~~53185~~295	~~6381~~63540	394	0
GBB	ERCOT.HB_HOUSTON_month_7x8_rtp	25	~~52865~~264	~~52865~~264	~~6343~~63168	106	0
GBC	ERCOT.HB_NORTH_month_2x16_rtp	25	~~7252~~7113	~~7252~~7113	~~8702~~85356	393	0
GBD	ERCOT.HB_NORTH_month_7x8_rtp	25	~~7208~~7071	~~7208~~7071	~~8649~~84852	108	0
GBE	ERCOT.HB_SOUTH_month_2x16_rtp	25	~~2895~~2877	~~2895~~2877	~~3474~~34524	392	0
GBF	ERCOT.HB_SOUTH_month_7x8_rtp	25	~~2878~~2860	~~2878~~2860	~~3453~~34320	110	0
GBG	ERCOT.HB_WEST_month_2x16_rtp	25	~~2569~~2782	~~2569~~2782	~~3082~~33384	391	0
GBH	ERCOT.HB_WEST_month_7x8_rtp	25	~~2554~~2765	~~2554~~2765	~~3064~~33180	112	0
GBY	PJM.WESTERN HUB_month_2x16_dap	25	~~1023~~10345	~~1023~~10345	~~122772~~124140	233	0
GBZ	PJM.WESTERN HUB_month_7x8_dap	25	~~943~~10114	~~943~~10114	~~113268~~121368	232	0
GCA	PJM.WESTERN HUB_month_2x16_rtp	25	~~1023~~10345	~~1023~~10345	~~122772~~124140	390	0
GCB	PJM.WESTERN HUB_month_7x8_rtp	25	~~943~~10114	~~943~~10114	~~113268~~121368	234	0
GGQ	PJM.WESTERN HUB_month_on_dac	25	~~1023~~10345	~~1023~~10345	~~122772~~124140	233	0
GGR	PJM.WESTERN HUB_month_off_dac	25	~~943~~10114	~~943~~10114	~~113268~~121368	232	0

GWP	ERCOT.HB_NORTH_month_7x HE 18-22_rtp	25	~~7252~~7113	~~7252~~7113	~~8702~~85356	393	0
GWQ	ERCOT.HB_HOUSTON_month_7x HE 18-22_rtp	25	~~5318~~5295	~~5318~~5295	~~6381~~63540	394	0
GWR	ERCOT.HB_WEST_month_7x HE 18-22_rtp	25	~~2569~~2782	~~2569~~2782	~~3082~~33384	391	0
GWS	ERCOT.HB_SOUTH_month_7x HE 18-22_rtp	25	~~2895~~2877	~~2895~~2877	~~3474~~34524	392	0
SAZ	PJM.WESTERN HUB_month_2x16_dac	25	~~1023~~10345	~~1023~~10345	~~122772~~124140	233	0
SCB	PJM.WESTERN HUB_month_7x8_dac	25	~~943~~10114	~~943~~10114	~~113268~~121368	232	0
XAA	PJM.WESTERN HUB_month_7x HE 10-17_rtp	25	~~1023~~10345	~~1023~~10345	~~122772~~124140	390	0
XAB	PJM.WESTERN HUB_month_7x HE 10-17_dap	25	~~1023~~10345	~~1023~~10345	~~122772~~124140	233	0
XAC	ERCOT.HB_NORTH_month_7x HE 10-17_rtp	25	~~7252~~7113	~~7252~~7113	~~8702~~85356	393	0
XAD	ERCOT.HB_HOUSTON_month_7x HE 10-17_rtp	25	~~5318~~5295	~~5318~~5295	~~6381~~63540	394	0
XAE	ERCOT.HB_WEST_month_7x HE 10-17_rtp	25	~~2569~~2782	~~2569~~2782	~~3082~~33384	391	0
XAF	ERCOT.HB_SOUTH_month_7x HE 10-17_rtp	25	~~2895~~2877	~~2895~~2877	~~3474~~34524	392	0
XBA	ERCOT.HB_NORTH_month_5x HE 18-22_rtp	25	~~7252~~7113	~~7252~~7113	~~8702~~85356	393	0
XBB	ERCOT.HB_HOUSTON_month_5x HE 18-22_rtp	25	~~5318~~5295	~~5318~~5295	~~6381~~63540	394	0
XBC	ERCOT.HB_WEST_month_5x HE 18-22_rtp	25	~~2569~~2782	~~2569~~2782	~~3082~~33384	391	0
XBD	ERCOT.HB_SOUTH_month_5x HE 18-22_rtp	25	~~2895~~2877	~~2895~~2877	~~3474~~34524	392	0
XBE	ERCOT.HB_NORTH_month_5x HE 07-11_rtp	25	~~7252~~7113	~~7252~~7113	~~8702~~85356	393	0
XDA	PJM.WESTERN HUB_month_7x16_rtp	25	~~1023~~10345	~~1023~~10345	~~122772~~124140	390	0
XDB	PJM.WESTERN HUB_month_7x16_dap	25	~~1023~~10345	~~1023~~10345	~~122772~~124140	233	0

XDC	ERCOT.HB_NORTH_month_7x16_rtp	25	~~7252~~7113	~~7252~~7113	~~8702~~85356	393	0
XDD	ERCOT.HB_HOUSTON_month_7x16_rtp	25	~~5318~~5295	~~5318~~5295	~~6381~~63540	394	0
XDE	ERCOT.HB_WEST_month_7x16_rtp	25	~~2569~~2782	~~2569~~2782	~~3082~~33384	391	0
XDF	ERCOT.HB_SOUTH_month_7x16_rtp	25	~~2895~~2877	~~2895~~2877	~~3474~~34524	392	0