

To the Public Utility Commission of Texas

ERCOT Wholesale Electricity Market Monthly Report

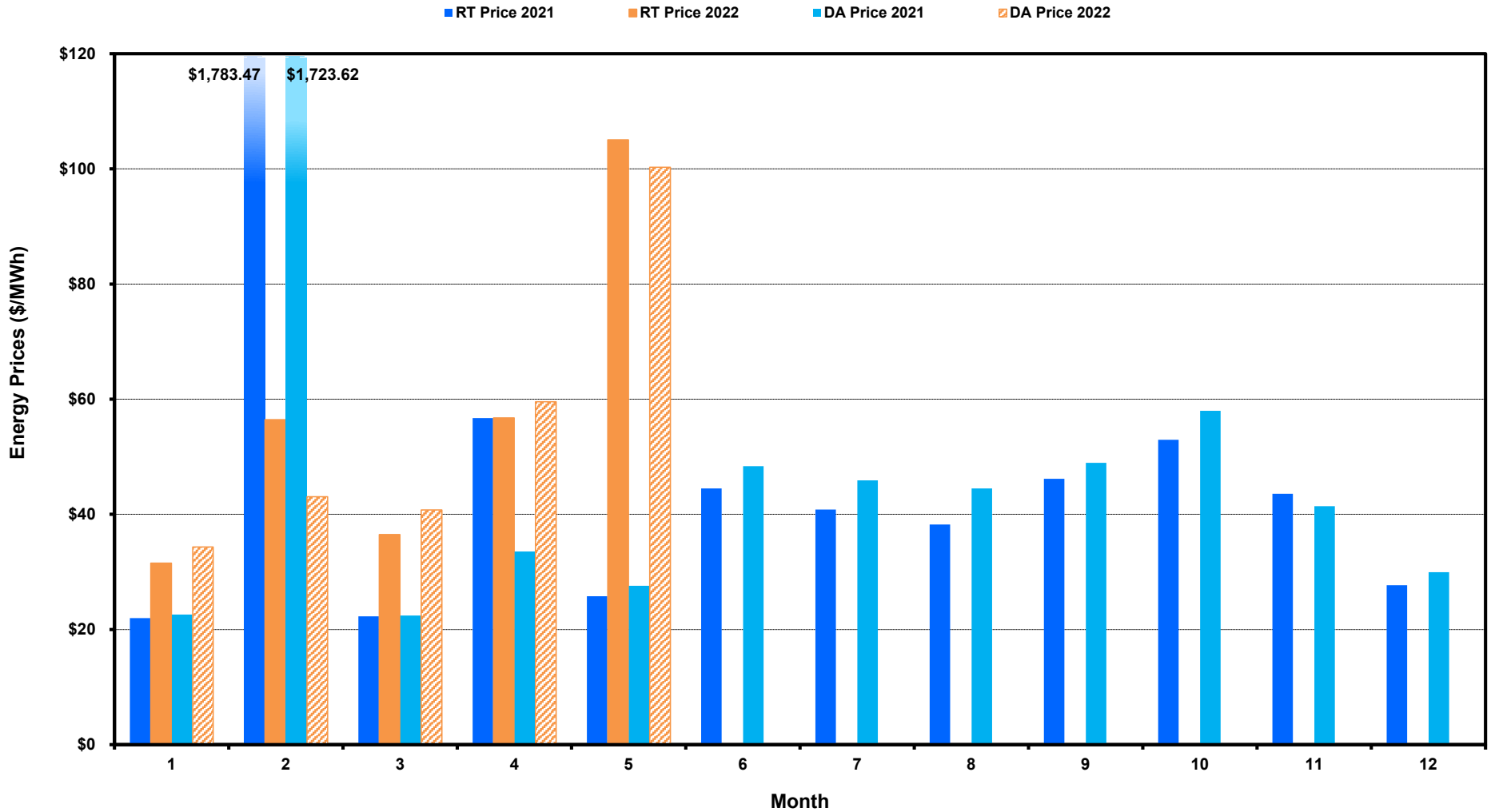
Friday, June 10, 2022

Potomac Economics, Ltd.
Independent Market Monitor

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ERCOT-wide Average Energy Prices DA vs RT

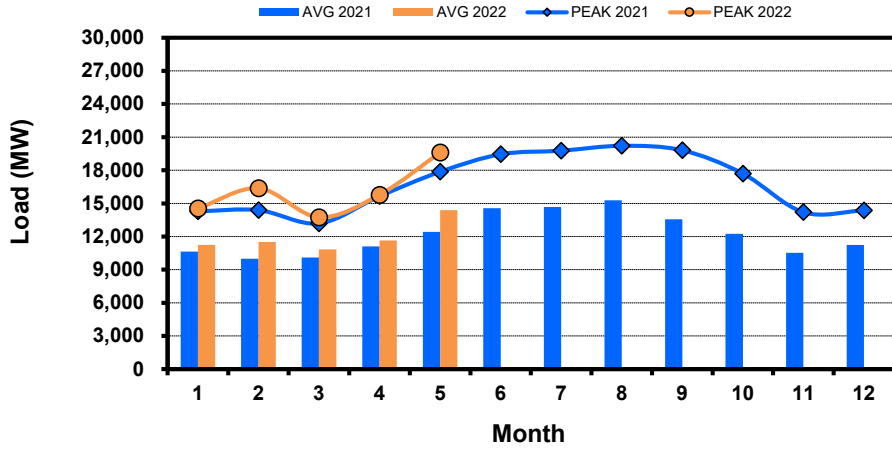
(avg. DA & RT SPPs weighted by Real Time Settlement Loads)



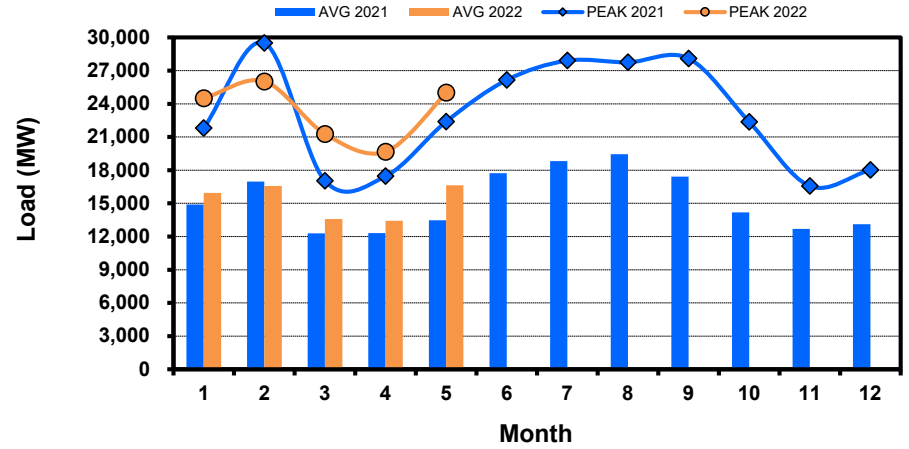
Load Zone Load Statistics

(Nodal load zone made comparable to zonal system Load Zone definitions*)

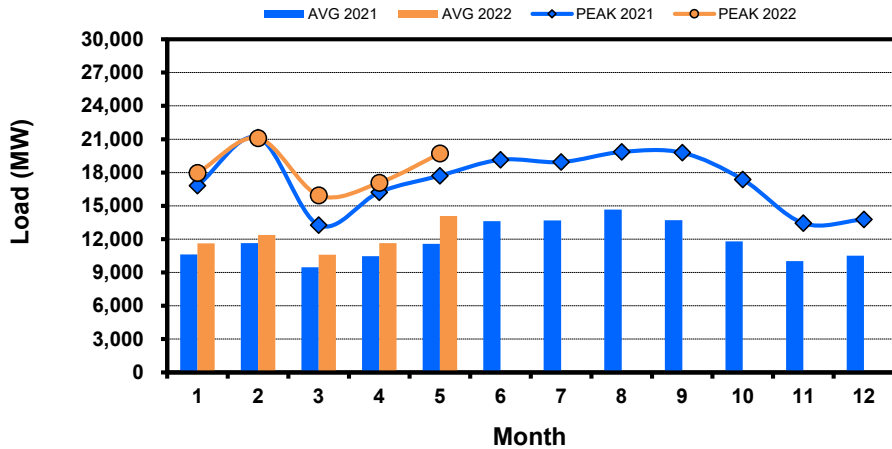
Houston Zone



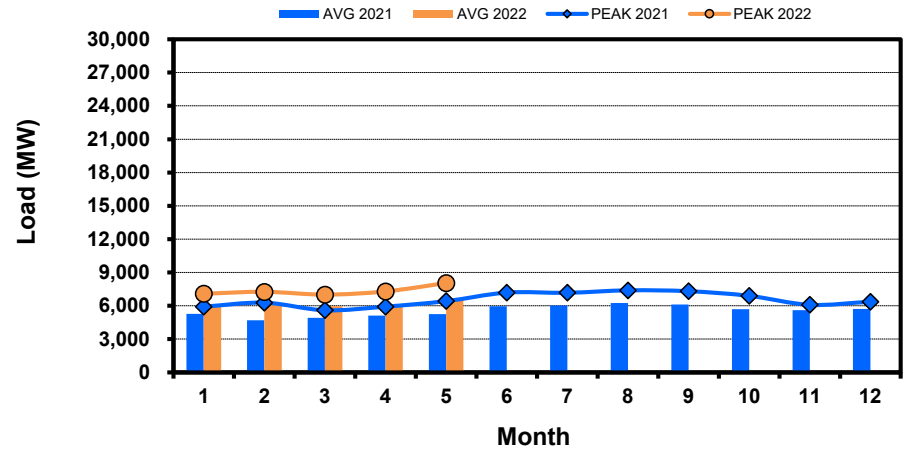
North Zone



South Zone



West Zone

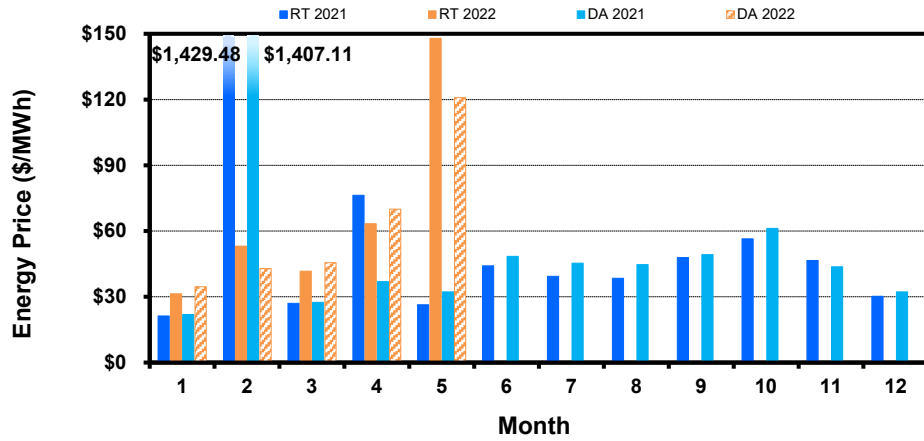


Note: * Zonal load zone definition vs. Nodal comparable load zone definition: LZ_Houston=LZ_Houston; LZ_West=LZ_West; LZ_North=(LZ_North,LZ_RAYBN); LZ_South=(LZ_South,LZ_CPS,LZ_AEN,LZ_LCRA)

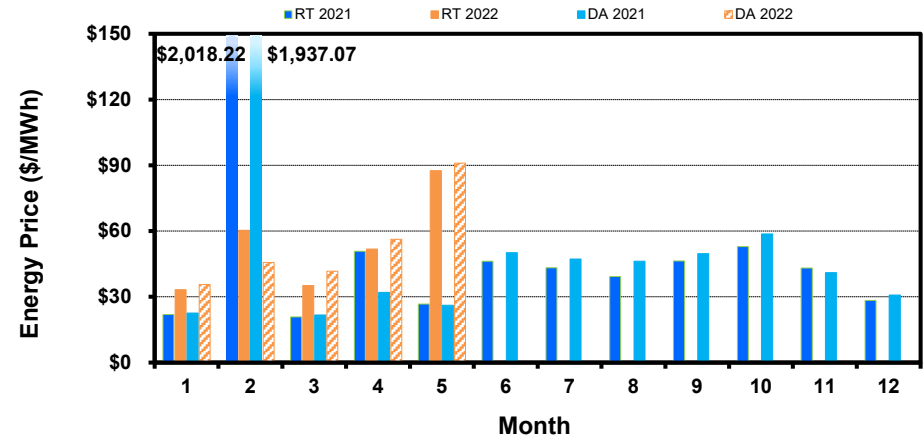
Load Zone Monthly Average Energy Price DA vs RT

(avg. DA & RT SPPs weighted by Real Time Settlement Loads)
 (Nodal load zone made comparable to zonal sytem Load Zone definitions*)

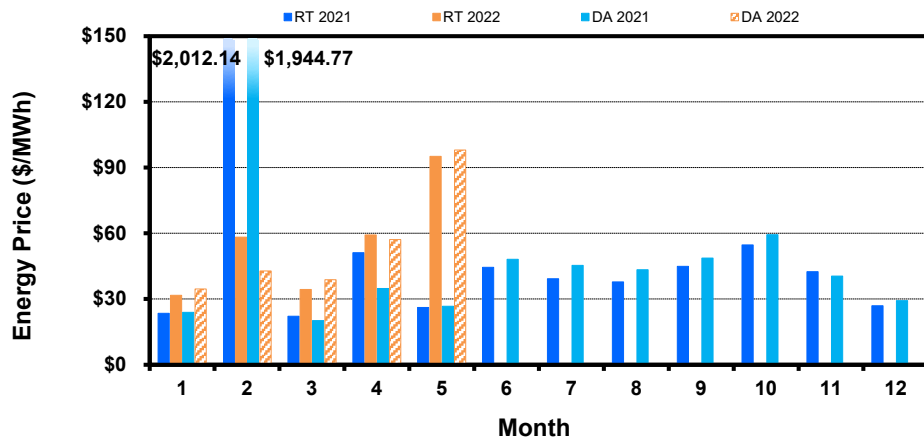
Houston Zone



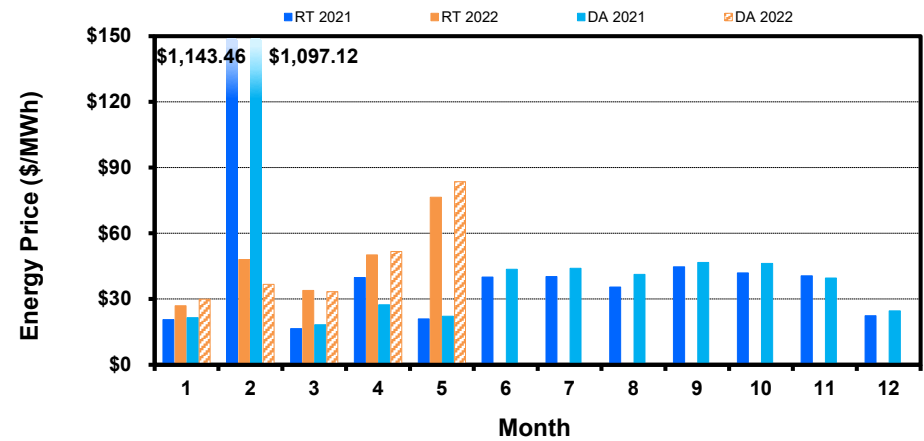
North Zone



South Zone



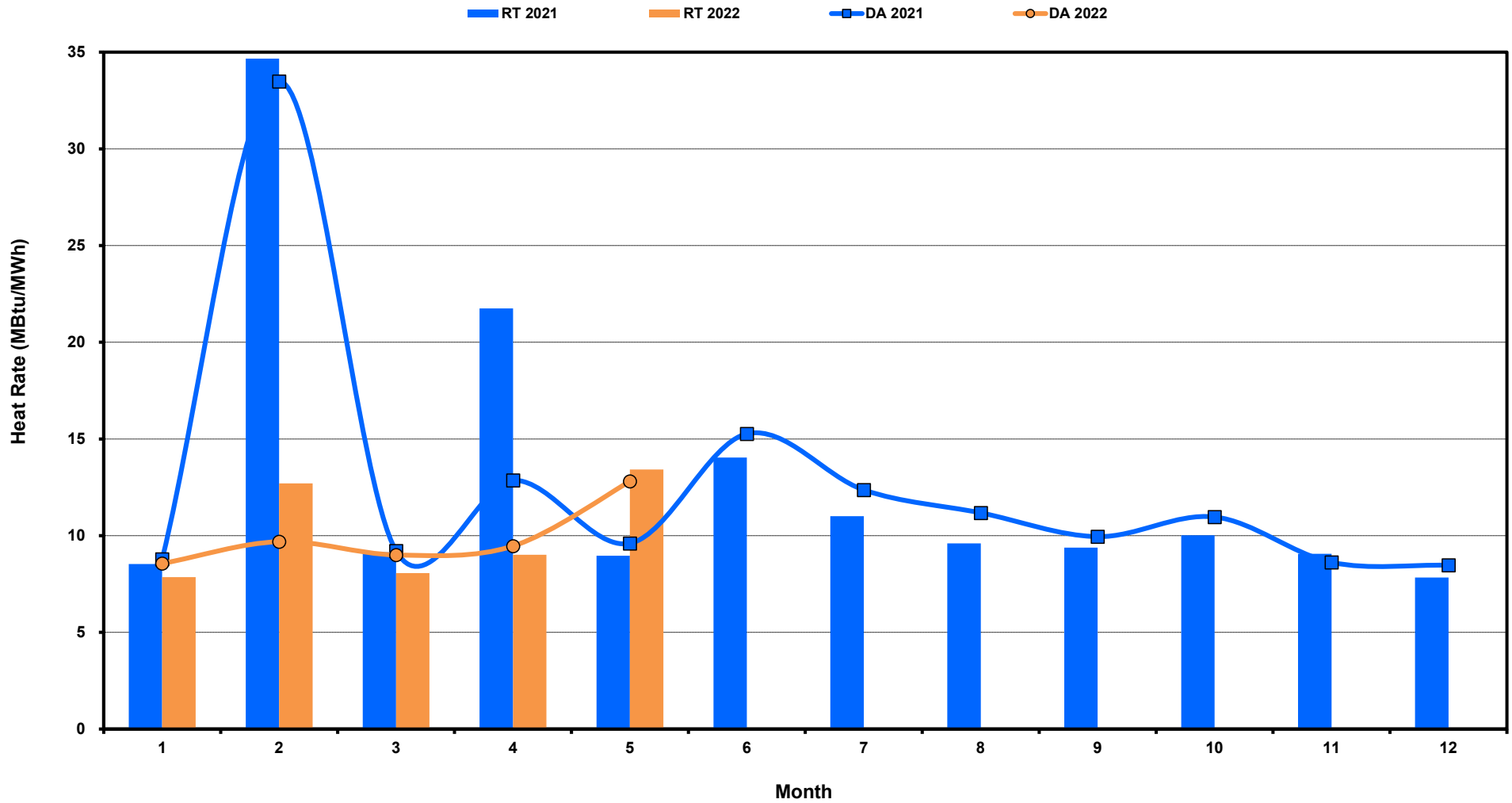
West Zone



Note: * Zonal load zone definition vs. Nodal comparable load zone definition: LZ_Houston=LZ_Houston; LZ_West=LZ_West; LZ_North=(LZ_North,LZ_RAYBN); LZ_South=(LZ_South,LZ_CPS,LZ_AEN,LZ_LCRA)

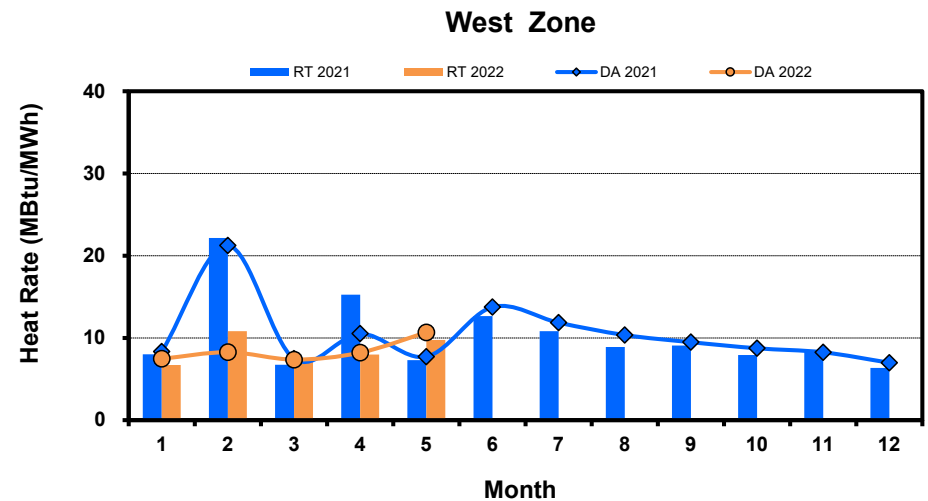
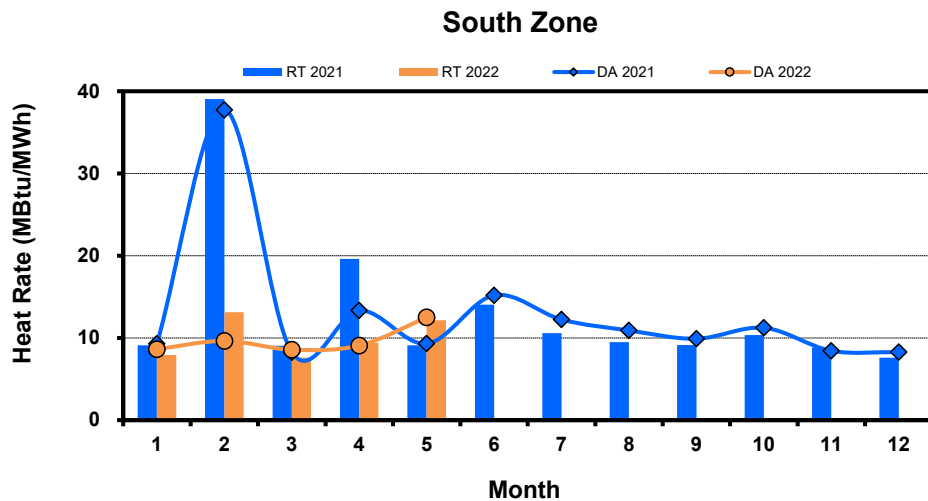
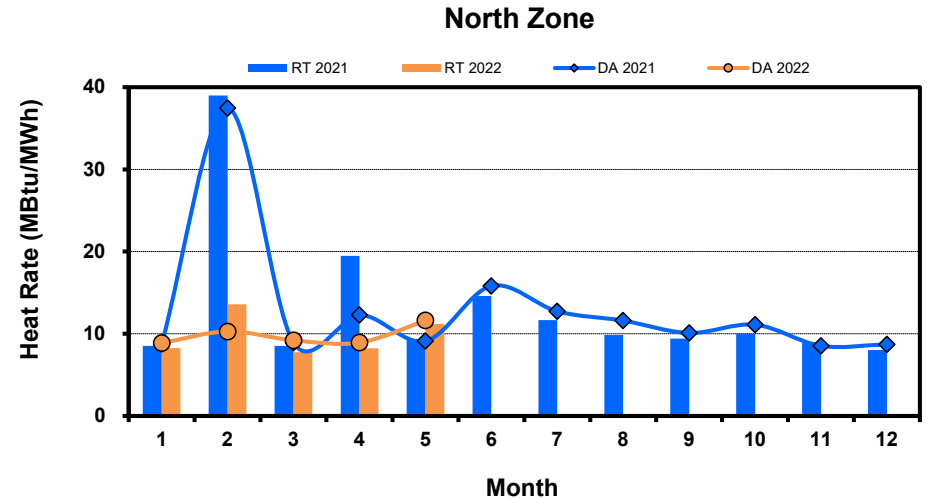
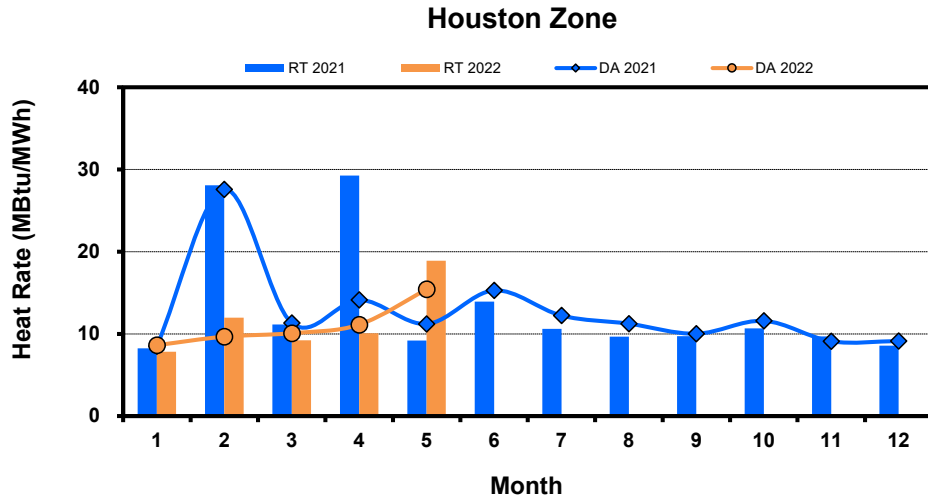
ERCOT-wide Monthly Implied Heat Rate DA vs RT

(avg. heat rates weighted by Real Time Settlement Loads)



Load Zone Monthly Implied Heat Rate DA vs RT

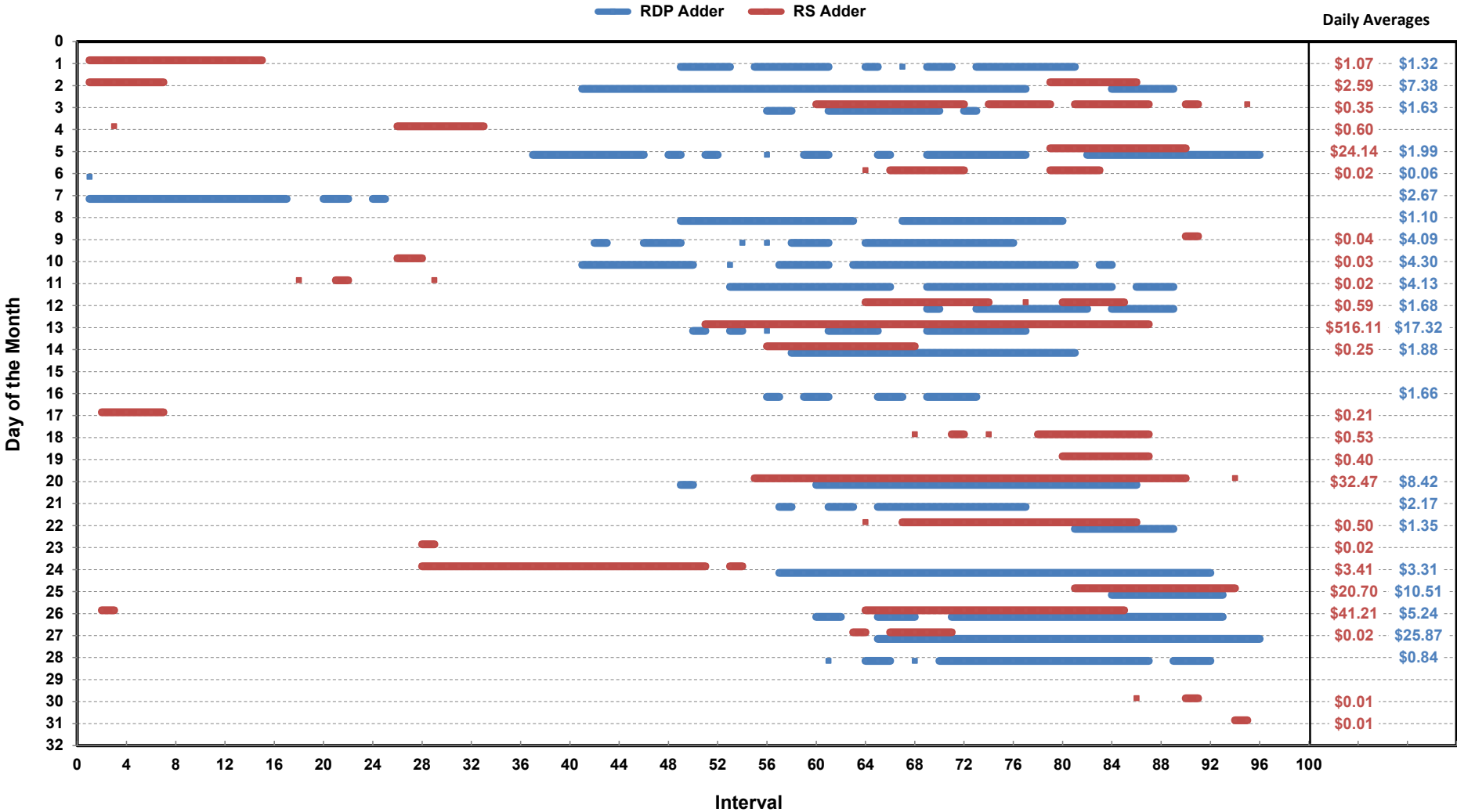
(avg. heat rates weighted by Real Time Settlement Loads)
 (Nodal load zone made comparable to zonal sytem Load Zone definitions*)



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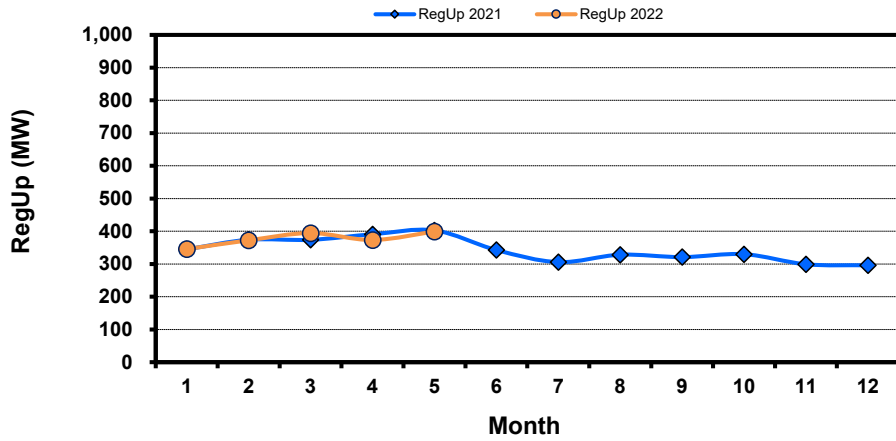
Daily ORDC Adders Average Values and Interval Duration

May-2022

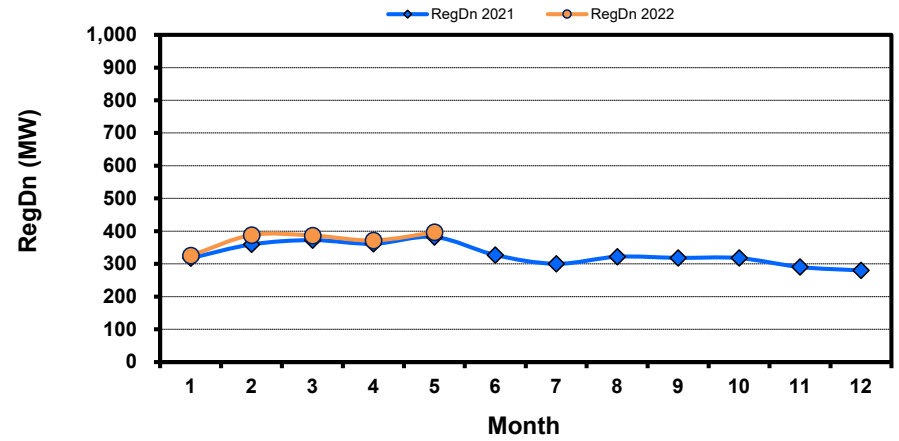


Monthly Average of Ancillary Services Required MW

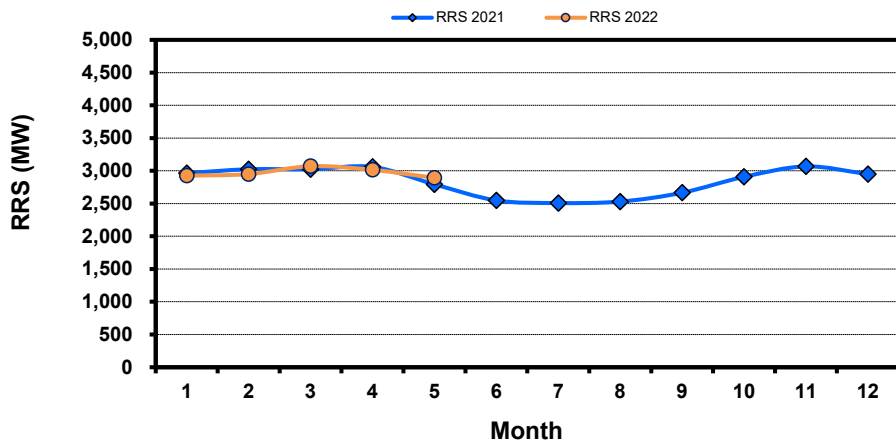
Regulation Up



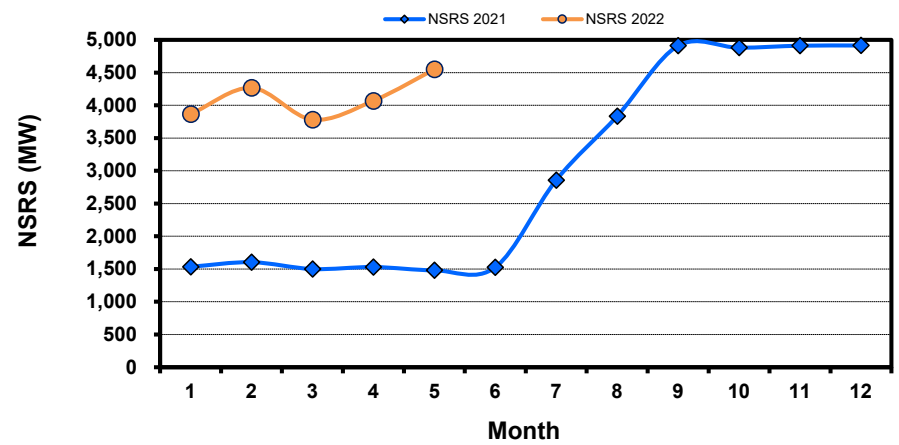
Regulation Down



Responsive Reserve

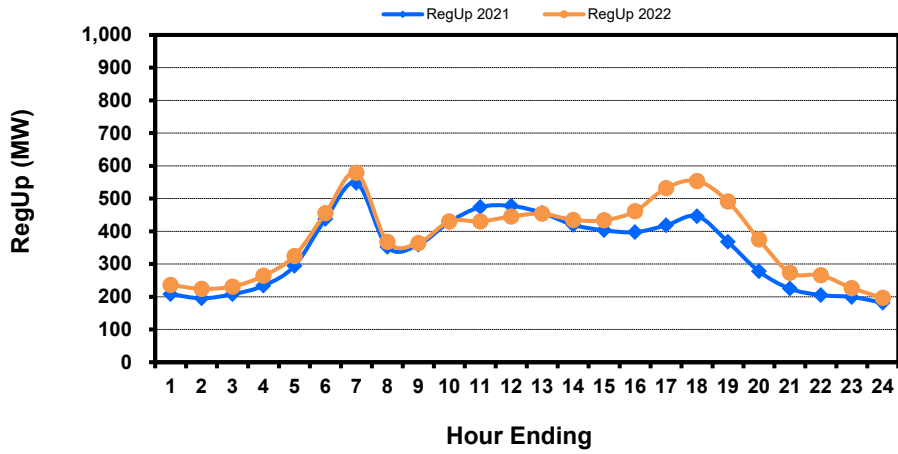


Non-Spin Reserve

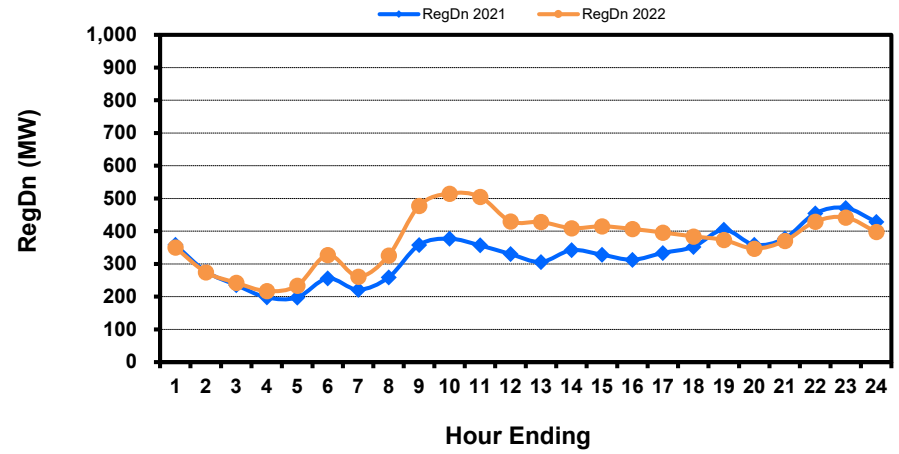


Hourly Average of Ancillary Services Required MW

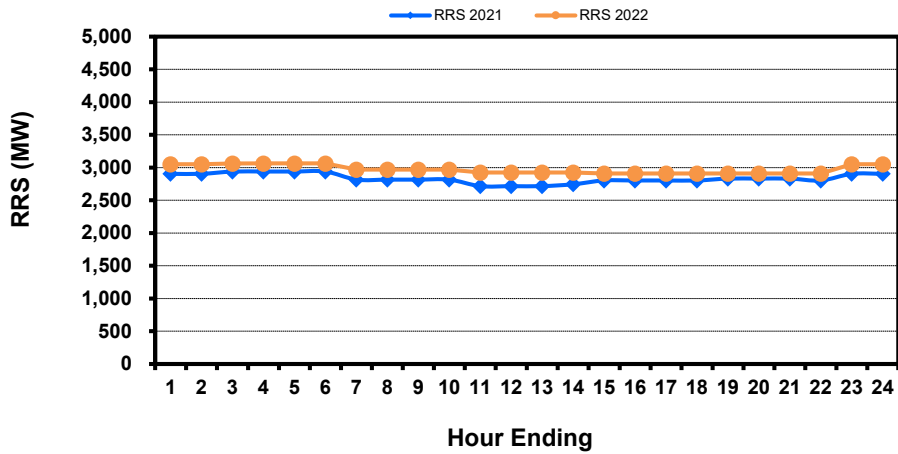
Regulation Up



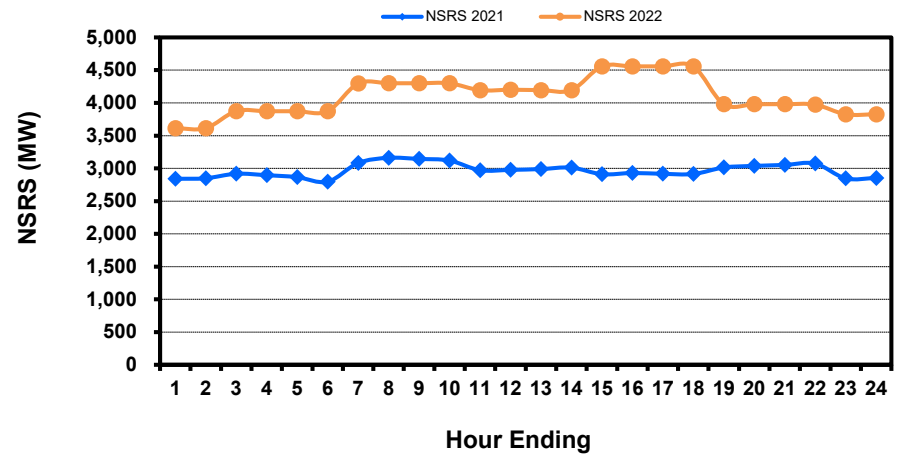
Regulation Down



Responsive Reserve



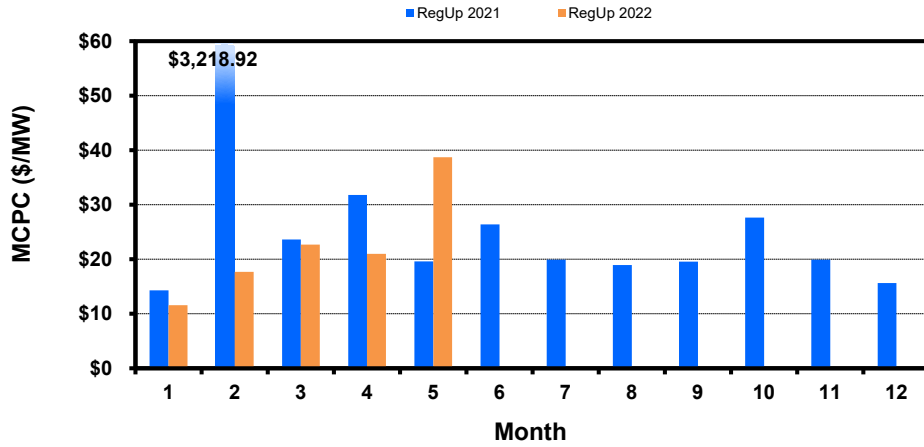
Non-Spin Reserve



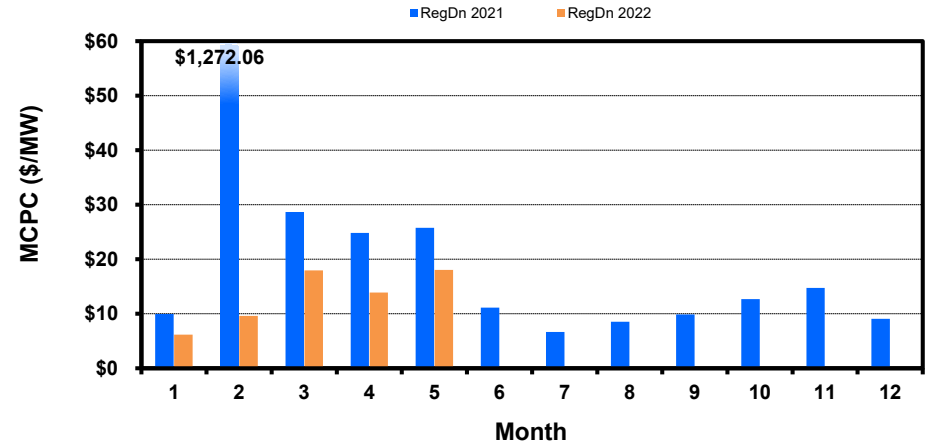
Monthly Average Ancillary Services Price

(weighted by A/S Quantities Required)

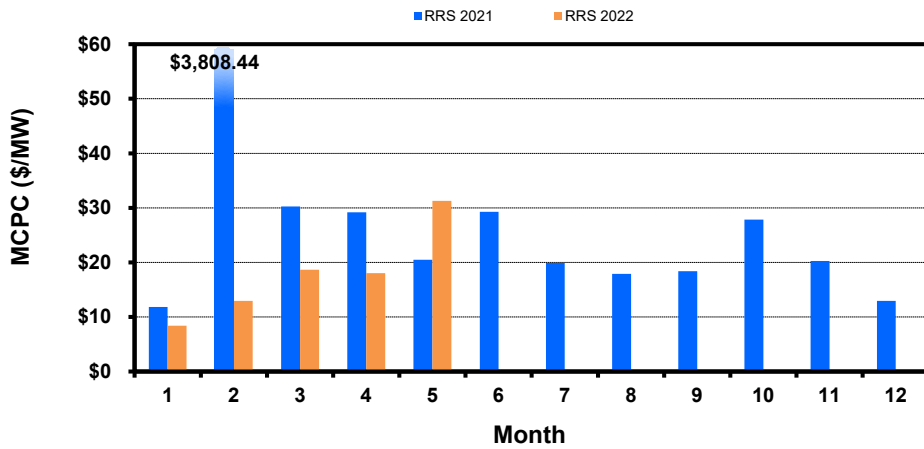
Regulation Up



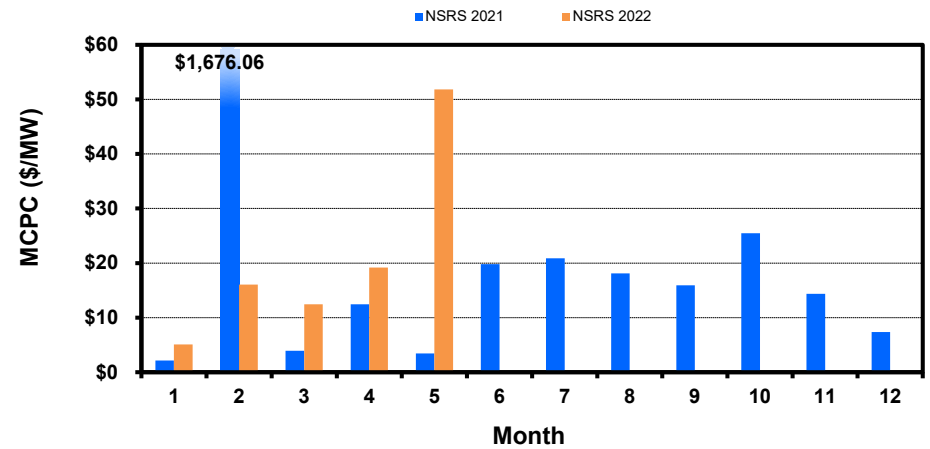
Regulation Down



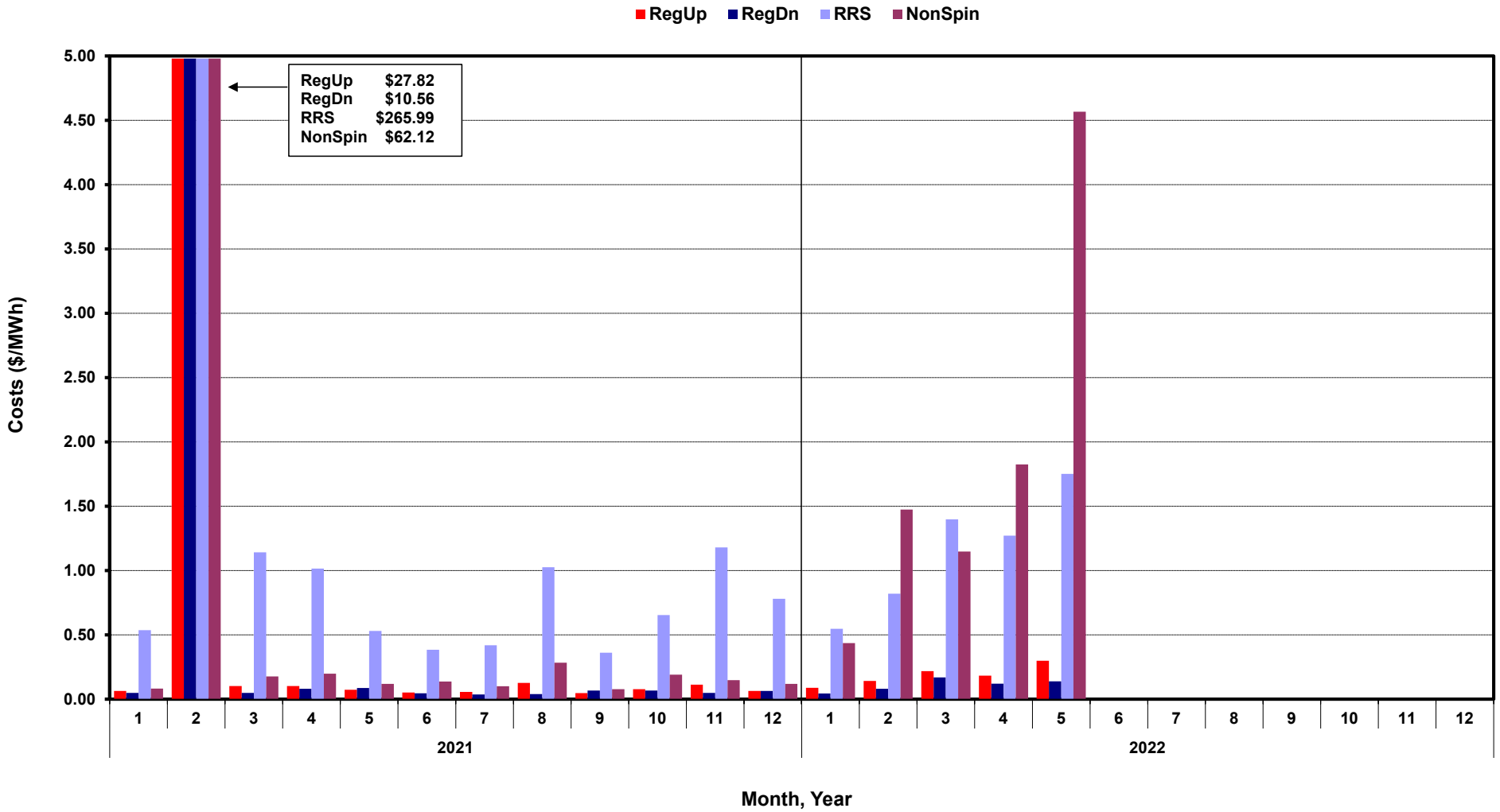
Responsive Reserve



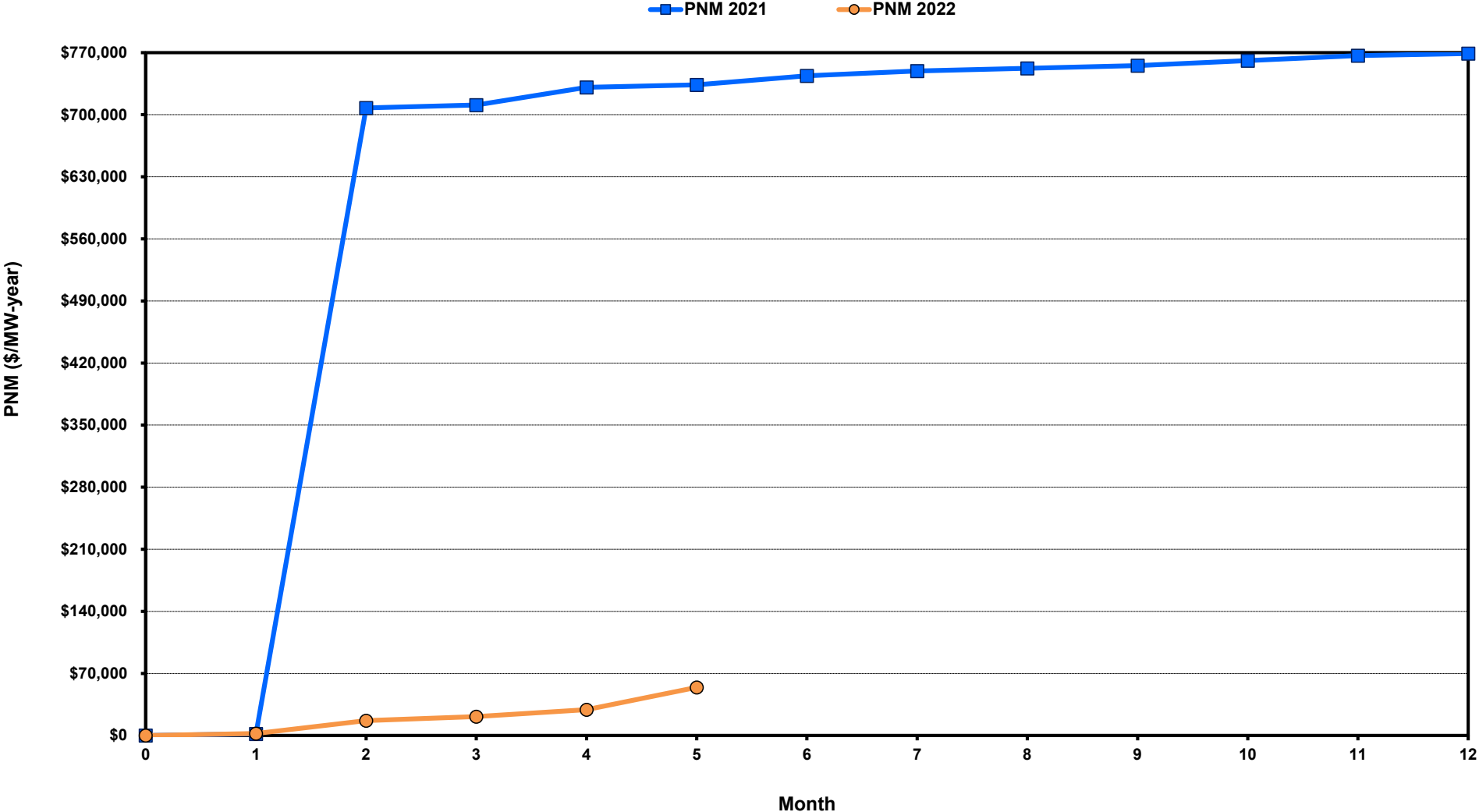
Non-Spin Reserve



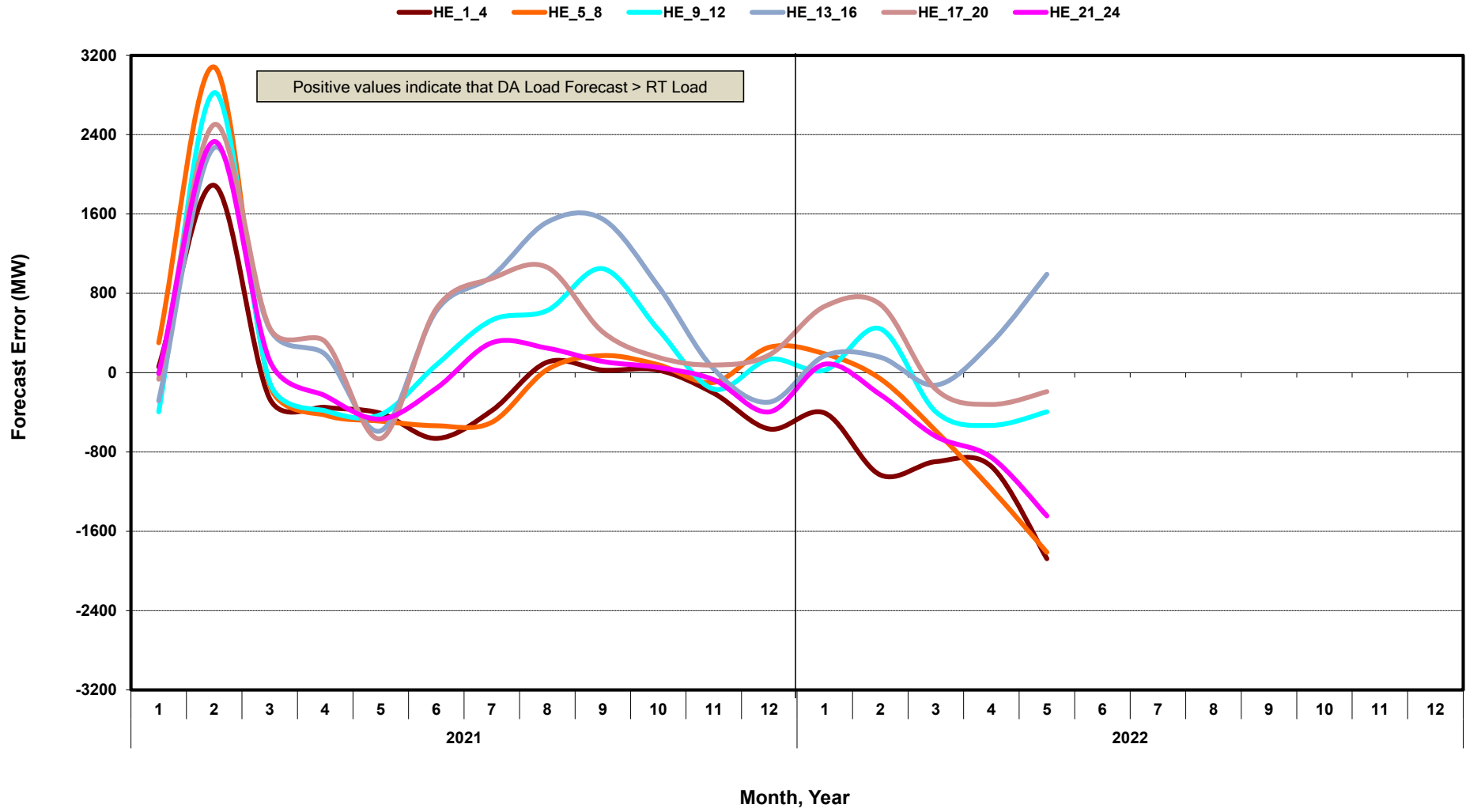
Monthly Average A/S Cost per MWh Load



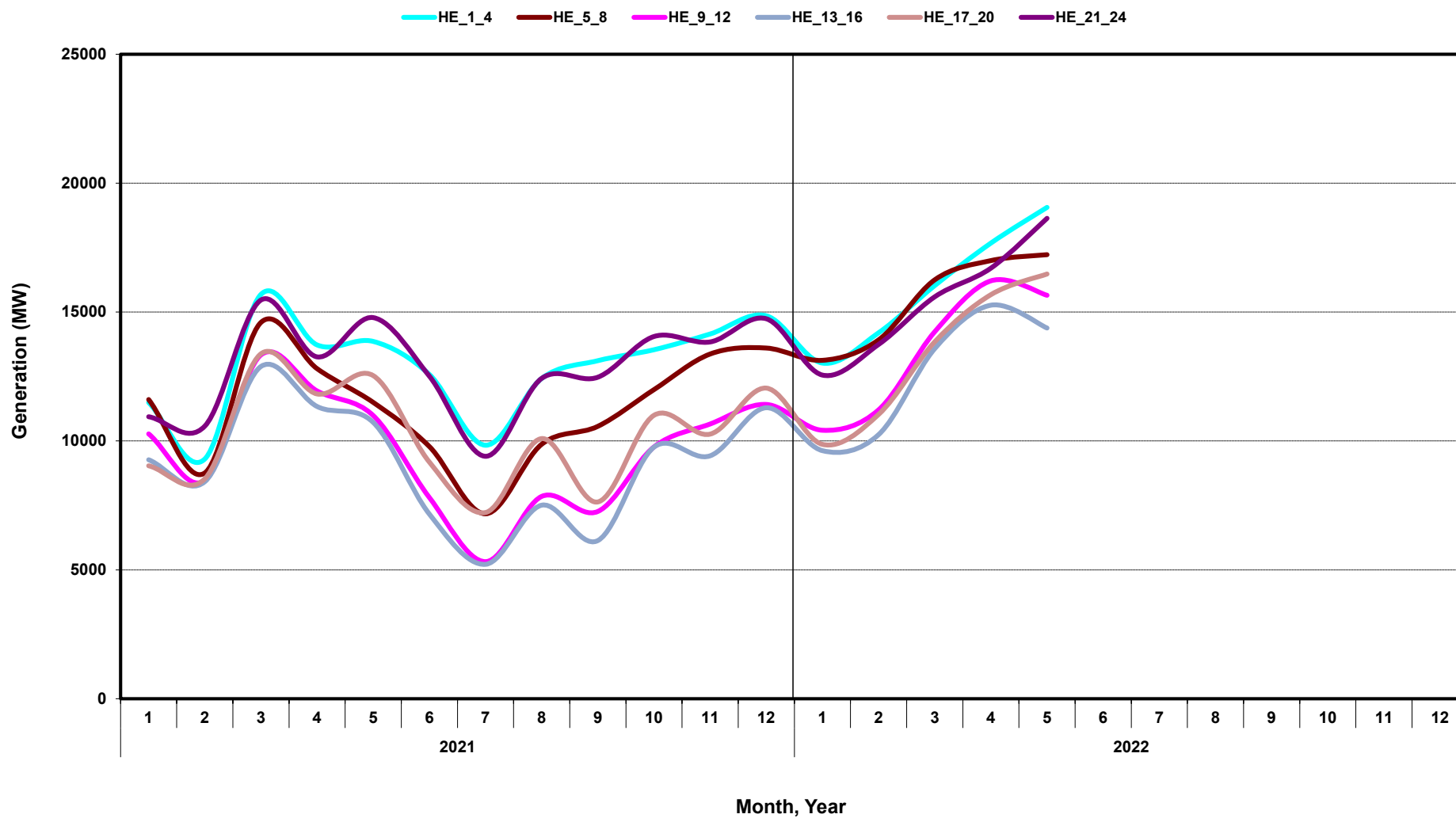
ERCOT-wide Cumulative Peaker Net Margin



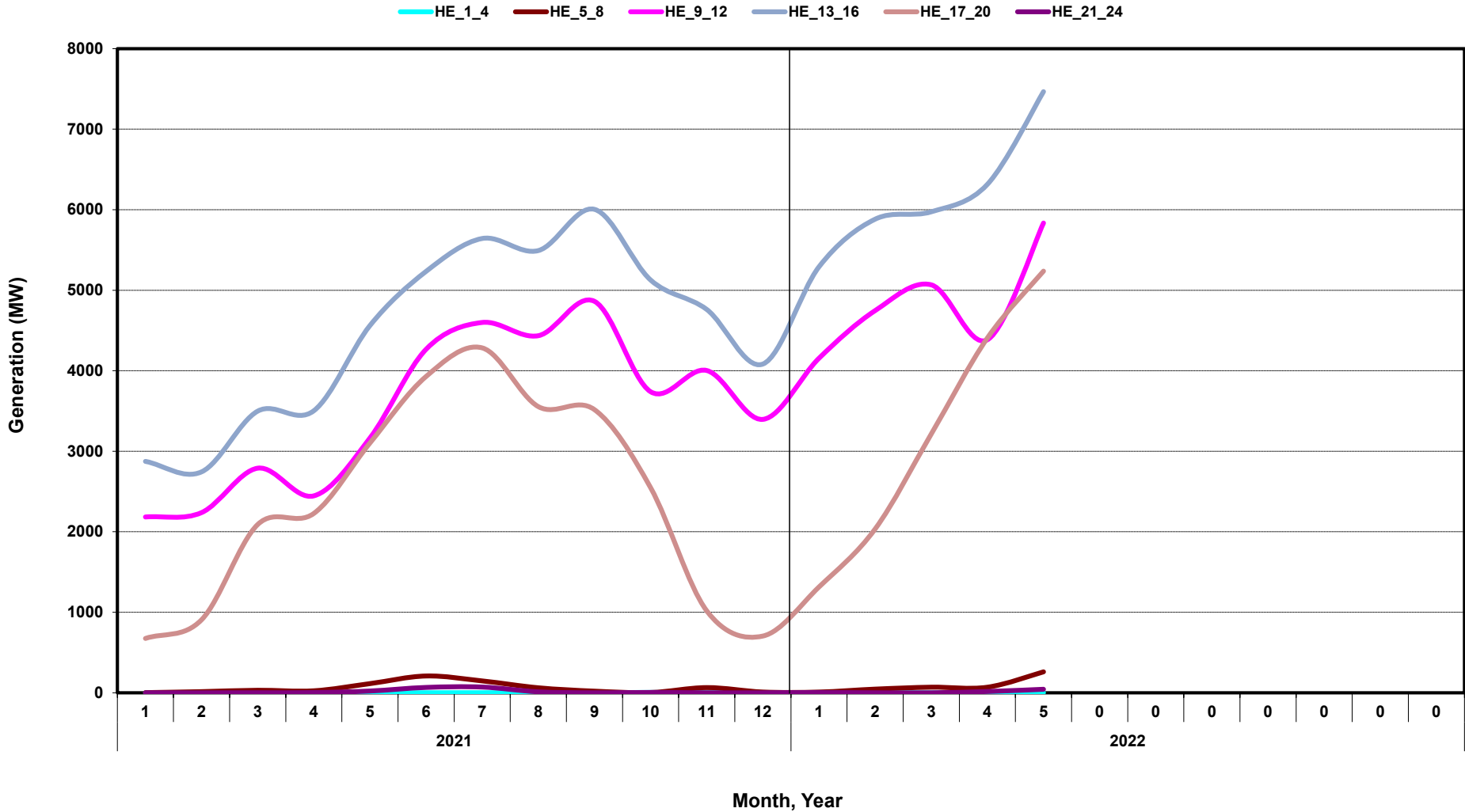
DA vs. RT Load Forecast Error by Hour Ending



Monthly Average of Wind Generation by Hour Ending

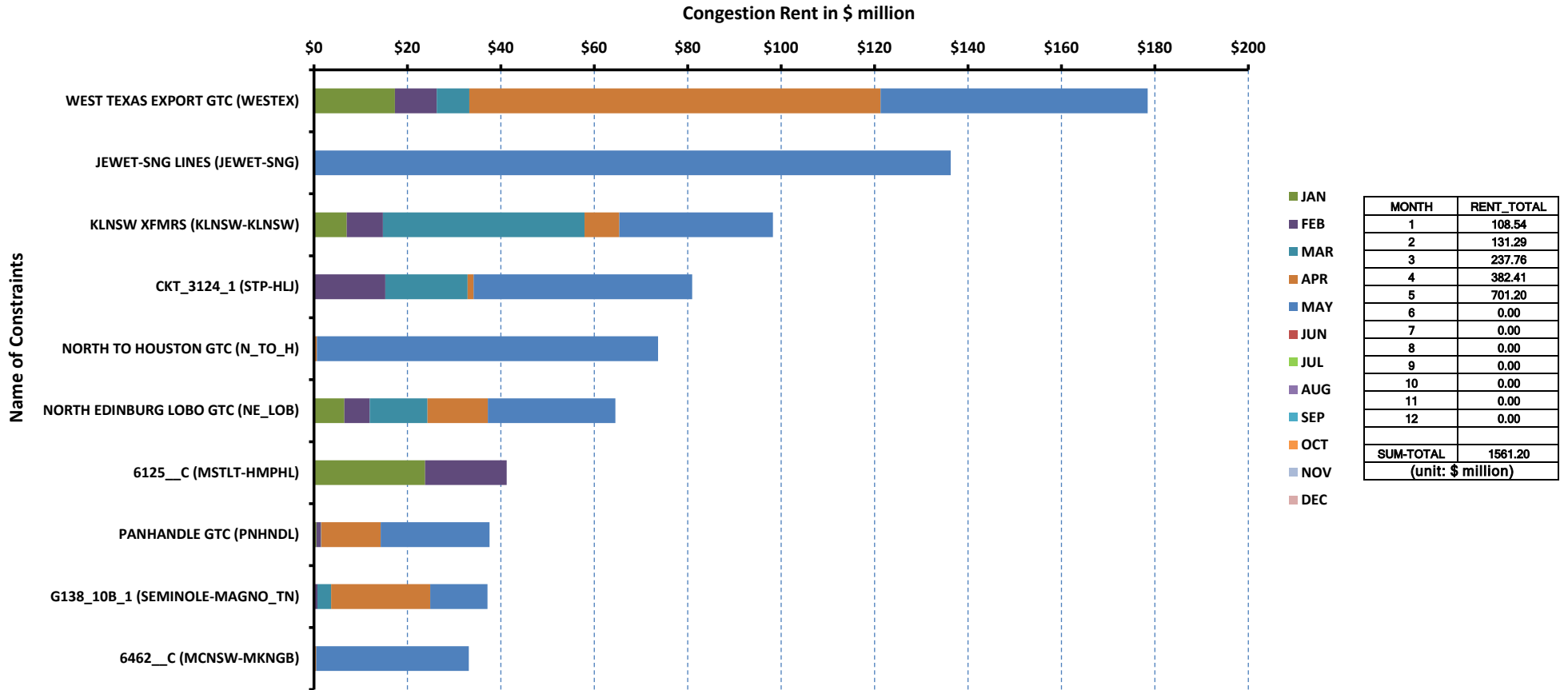


Monthly Average of Solar Generation by Hour Ending



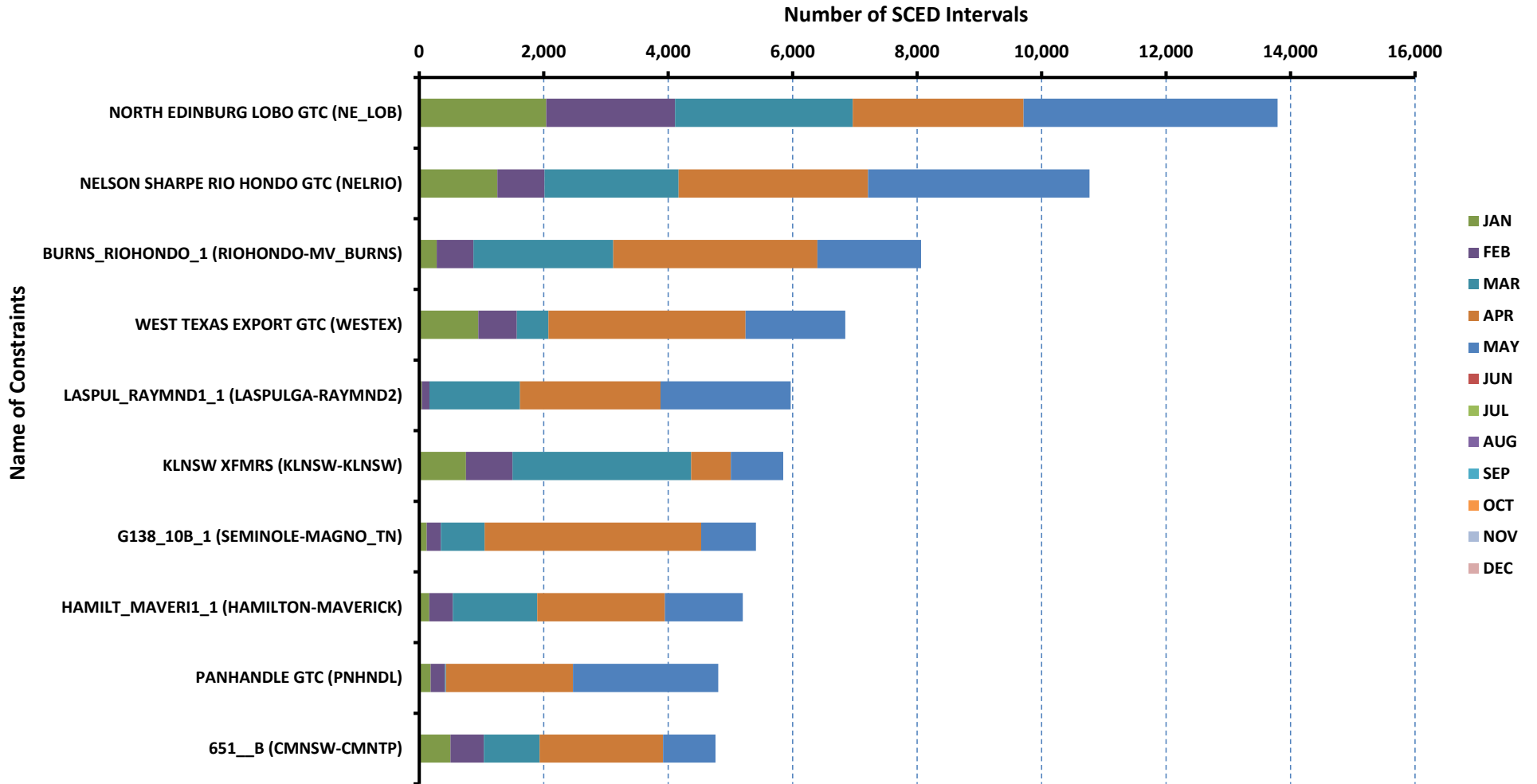
RT Congestion Constraint Rankings - 1

Top 10 Constraints by Total Congestion Value - 2022



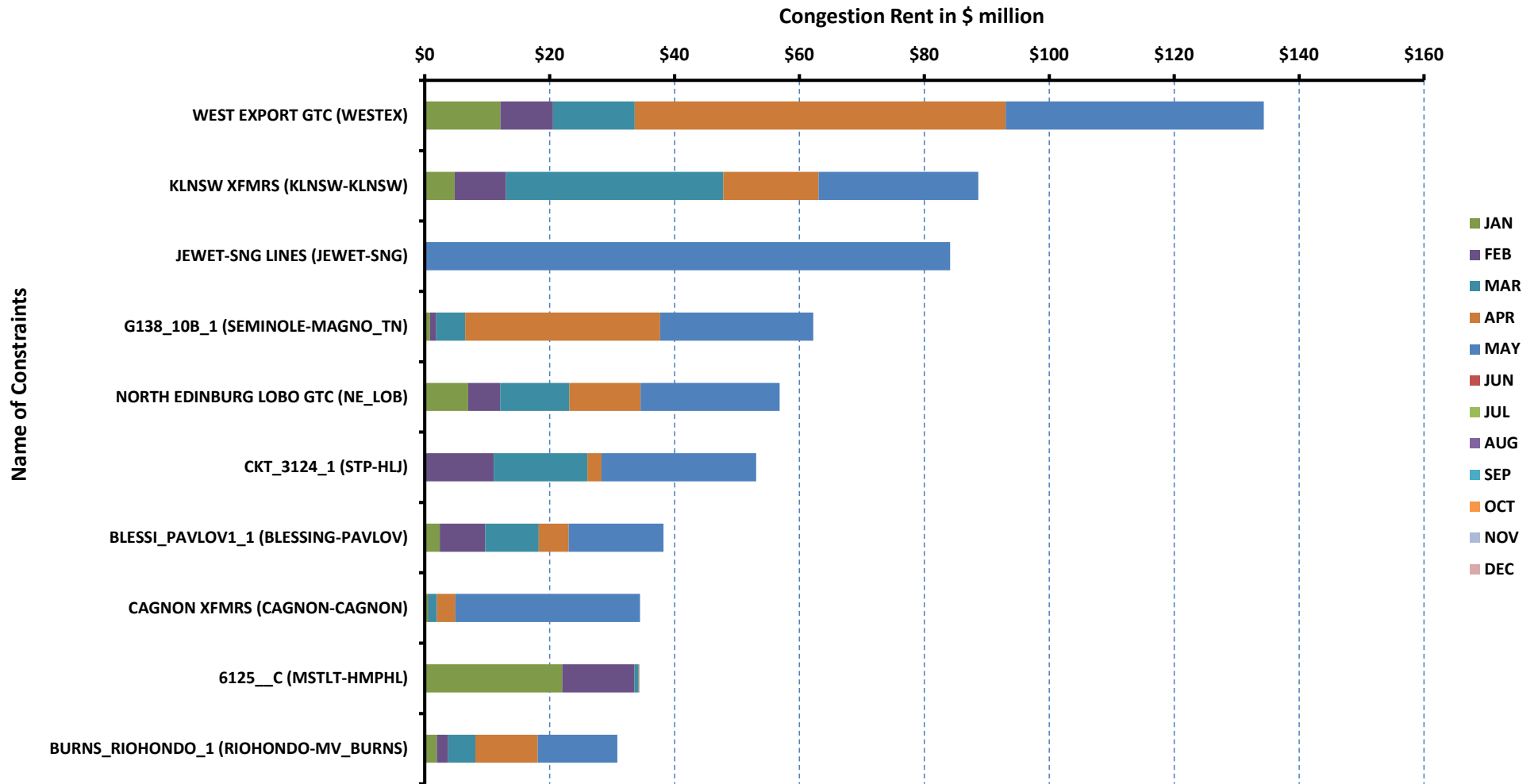
RT Congestion Constraint Rankings - 2

Top 10 Constraints by Binding Frequency - 2022



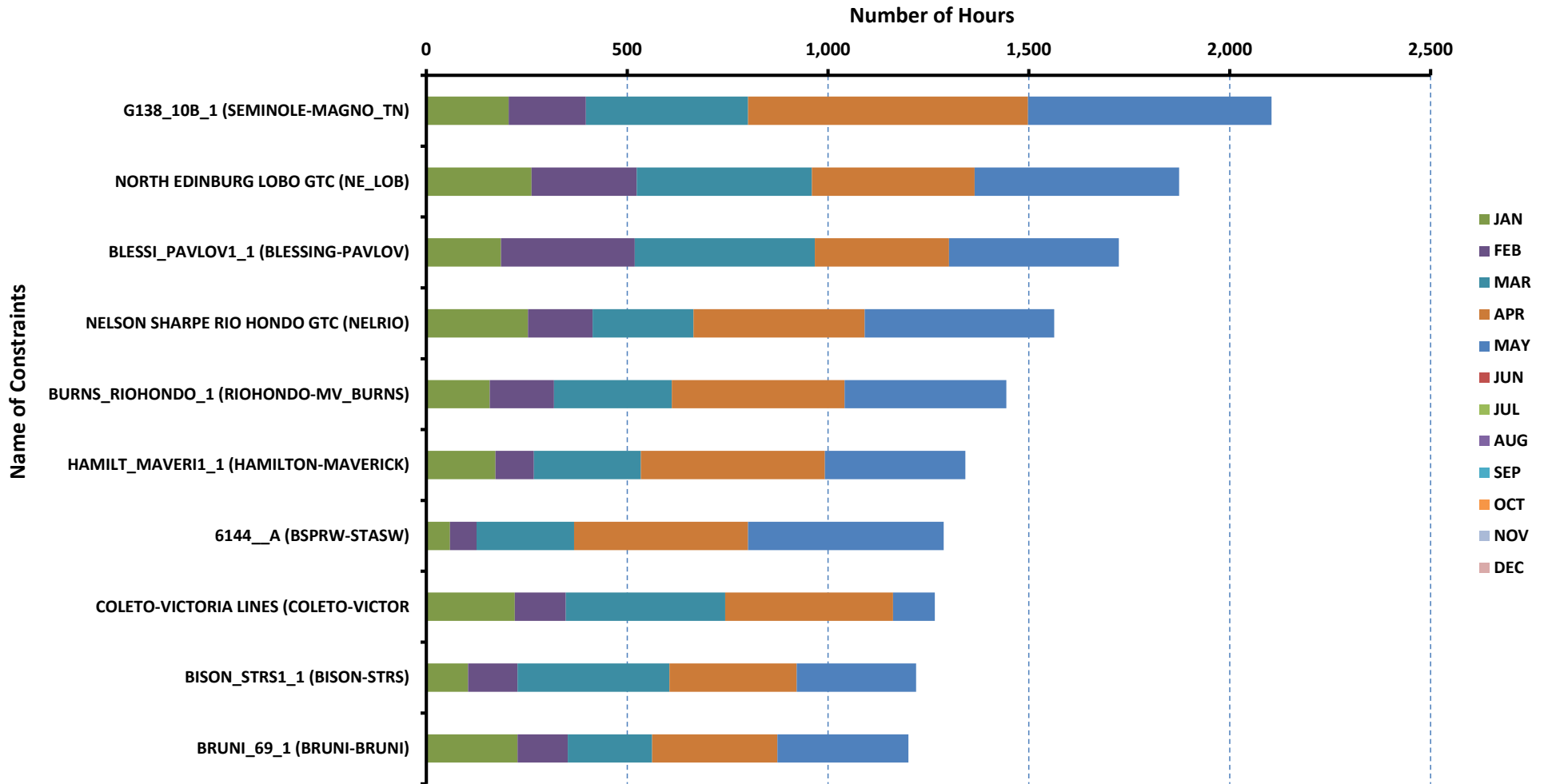
DA Congestion Constraint Rankings - 1

Top 10 Constraints by Total Congestion Value - 2022



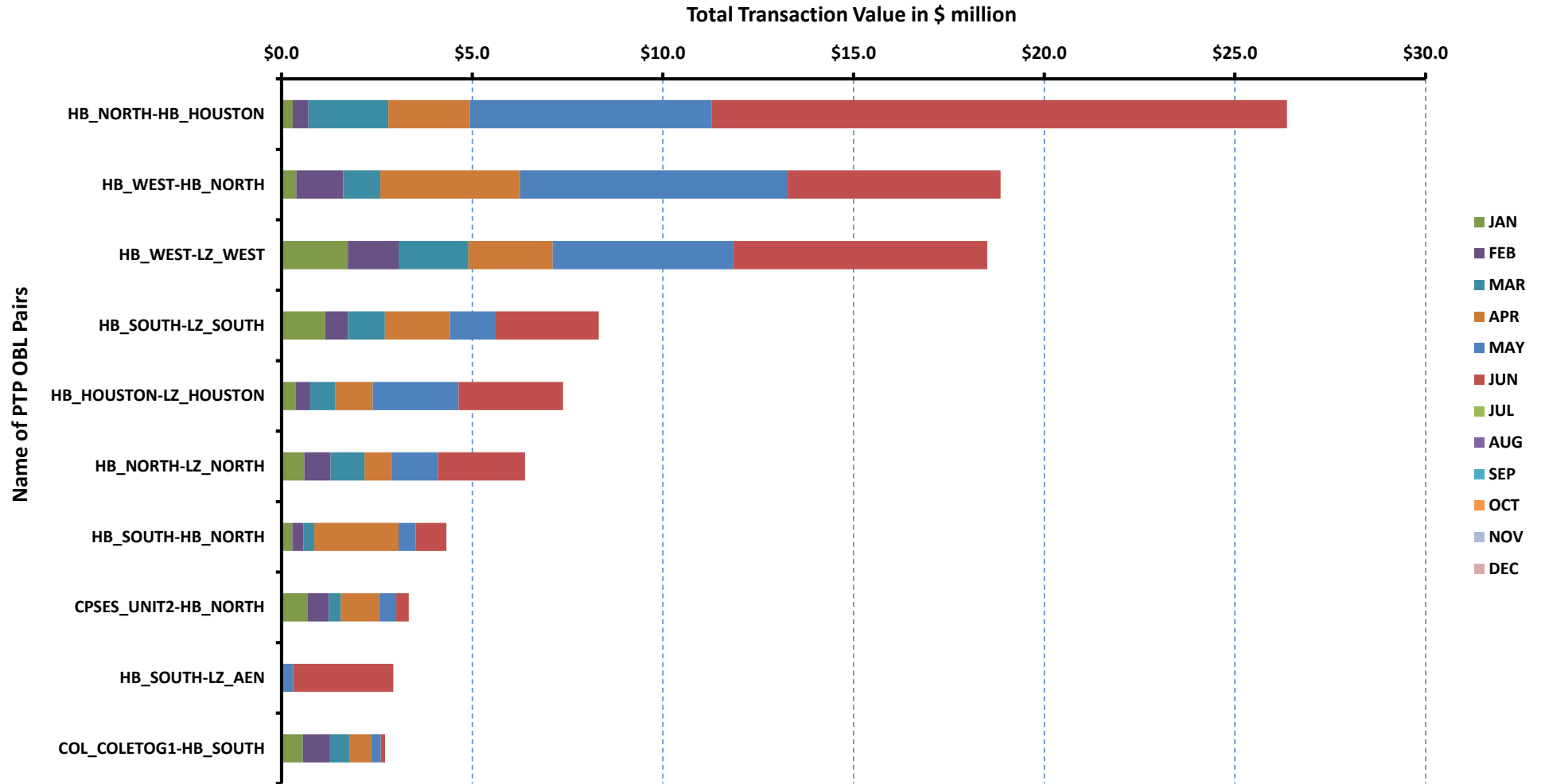
DA Congestion Constraint Rankings - 2

Top 10 Constraints by Binding Frequency - 2022



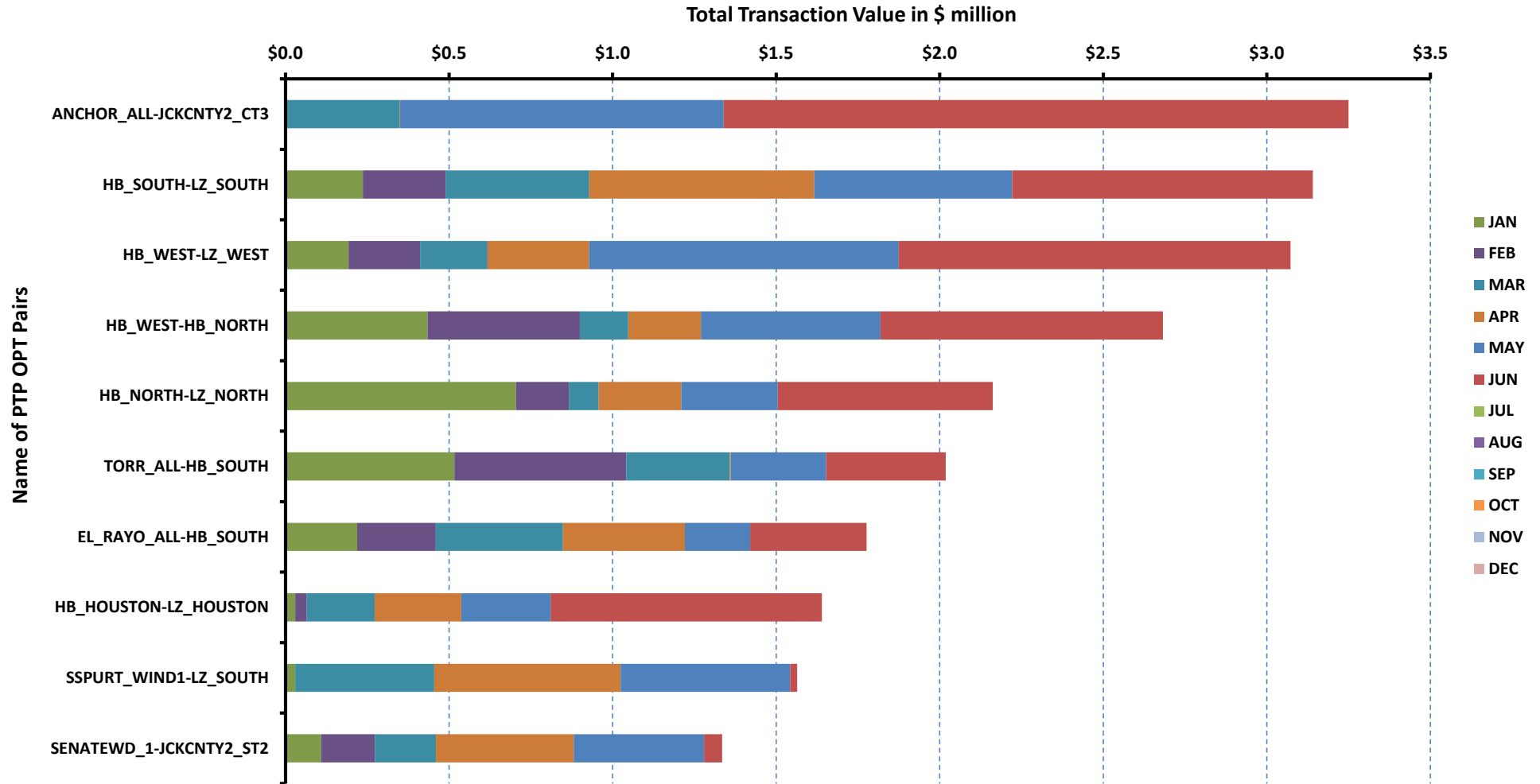
Top 10 CRR Pairs Ranked by Monthly Auction Values - 1

Top 10 PTP Obligations by Total Transaction Value - 2022



Top 10 CRR Pairs Ranked by Monthly Auction Values - 2

Top 10 PTP Options by Total Transaction Value - 2022



ERCOT-wide Avg. Energy Price - DA vs. RT			
year	month	dam_spp	rtm_spp
2021	1	\$ 22.60	\$ 21.96
	2	\$ 1,723.84	\$ 1,784.27
	3	\$ 22.49	\$ 22.33
	4	\$ 33.56	\$ 56.73
	5	\$ 27.60	\$ 25.76
	6	\$ 48.37	\$ 44.49
	7	\$ 45.89	\$ 40.84
	8	\$ 44.50	\$ 38.22
	9	\$ 48.95	\$ 46.17
	10	\$ 57.97	\$ 52.94
	11	\$ 41.41	\$ 43.56
	12	\$ 29.94	\$ 27.69
2022	1	\$ 34.35	\$ 31.53
	2	\$ 43.07	\$ 56.44
	3	\$ 40.77	\$ 36.50
	4	\$ 59.56	\$ 56.74
	5	\$ 100.29	\$ 105.03
	6	\$ -	\$ -
	7	\$ -	\$ -
	8	\$ -	\$ -
	9	\$ -	\$ -
	10	\$ -	\$ -
	11	\$ -	\$ -
	12	\$ -	\$ -

ERCOT-wide Monthly Implied Heat Rate - DA vs. RT						
year	month	gasprice	rtm_spp	HR_rtm	dam_spp	HR_dam
2021	1	\$ 2.57	\$ 21.96	8.53	\$ 22.60	8.78
	2	\$ 51.48	\$ 1,784.27	34.66	\$ 1,723.84	33.49
	3	\$ 2.44	\$ 22.33	9.14	\$ 22.49	9.21
	4	\$ 2.61	\$ 56.73	21.74	\$ 33.56	12.86
	5	\$ 2.87	\$ 25.76	8.96	\$ 27.60	9.60
	6	\$ 3.17	\$ 44.49	14.04	\$ 48.37	15.27
	7	\$ 3.71	\$ 40.84	11.00	\$ 45.89	12.36
	8	\$ 3.98	\$ 38.22	9.60	\$ 44.50	11.18
	9	\$ 4.92	\$ 46.17	9.38	\$ 48.95	9.95
	10	\$ 5.29	\$ 52.94	10.01	\$ 57.97	10.97
	11	\$ 4.81	\$ 43.56	9.06	\$ 41.41	8.62
	12	\$ 3.54	\$ 27.69	7.83	\$ 29.94	8.47
2022	1	\$ 4.01	\$ 31.53	7.86	\$ 34.35	8.56
	2	\$ 4.45	\$ 56.44	12.70	\$ 43.07	9.69
	3	\$ 4.53	\$ 36.50	8.06	\$ 40.77	9.00
	4	\$ 6.29	\$ 56.74	9.01	\$ 59.56	9.46
	5	\$ 7.83	\$ 105.03	13.42	\$ 100.29	12.81
	6	\$ -	\$ -	-	\$ -	-
	7	\$ -	\$ -	-	\$ -	-
	8	\$ -	\$ -	-	\$ -	-
	9	\$ -	\$ -	-	\$ -	-
	10	\$ -	\$ -	-	\$ -	-
	11	\$ -	\$ -	-	\$ -	-
	12	\$ -	\$ -	-	\$ -	-

Daily ORDC Adders Average Values and Interval Duration								
YEAR	MONTH	DAY	PRICE_RS	PRICE_RDP	RS_CNT	RDP_CNT	RS_POS	RDP_POS
2022	5	1	\$ 1.07	\$ 1.32	15	27	80	90
2022	5	2	\$ 2.59	\$ 7.38	15	43	80	90
2022	5	3	\$ 0.35	\$ 1.63	29	15	80	90
2022	5	4	\$ 0.60	\$ -	9	0	80	90
2022	5	5	\$ 24.14	\$ 1.99	12	44	80	90
2022	5	6	\$ 0.02	\$ 0.06	13	1	80	90
2022	5	7	\$ -	\$ 2.67	0	22	80	90
2022	5	8	\$ -	\$ 1.10	0	29	80	90
2022	5	9	\$ 0.04	\$ 4.09	2	25	80	90
2022	5	10	\$ 0.03	\$ 4.30	3	37	80	90
2022	5	11	\$ 0.02	\$ 4.13	4	34	80	90
2022	5	12	\$ 0.59	\$ 1.68	18	18	80	90
2022	5	13	\$ 516.11	\$ 17.32	37	19	80	90
2022	5	14	\$ 0.25	\$ 1.88	13	24	80	90
2022	5	15	\$ -	\$ -	0	0	80	90
2022	5	16	\$ -	\$ 1.66	0	13	80	90
2022	5	17	\$ 0.21	\$ -	6	0	80	90
2022	5	18	\$ 0.53	\$ -	14	0	80	90
2022	5	19	\$ 0.40	\$ -	8	0	80	90
2022	5	20	\$ 32.47	\$ 8.42	37	29	80	90
2022	5	21	\$ -	\$ 2.17	0	18	80	90
2022	5	22	\$ 0.50	\$ 1.35	21	9	80	90
2022	5	23	\$ 0.02	\$ -	2	0	80	90
2022	5	24	\$ 3.41	\$ 3.31	26	36	80	90
2022	5	25	\$ 20.70	\$ 10.51	14	10	80	90
2022	5	26	\$ 41.21	\$ 5.24	24	30	80	90
2022	5	27	\$ 0.02	\$ 25.87	8	32	80	90
2022	5	28	\$ -	\$ 0.84	0	27	80	90
2022	5	29	\$ -	\$ -	0	0	80	90
2022	5	30	\$ 0.01	\$ -	3	0	80	90
2022	5	31	\$ 0.01	\$ -	3	0	80	90

Monthly Average of Ancillary Services Required MW					
year	month	ASMW_REGDN	ASMW_NSPIN	ASMW_RRS	ASMW_REGUP
2021	1	317	1,535	2,964	345
	2	360	1,604	3,024	374
	3	373	1,500	3,023	374
	4	362	1,531	3,059	391
	5	382	1,481	2,794	403
	6	327	1,527	2,548	343
	7	300	2,858	2,508	306
	8	322	3,835	2,530	328
	9	318	4,910	2,665	321
	10	318	4,880	2,908	330
	11	290	4,911	3,067	299
	12	280	4,914	2,951	296
2022	1	325	3,867	2,926	346
	2	388	4,267	2,950	372
	3	387	3,782	3,070	395
	4	372	4,069	3,014	373
	5	397	4,551	2,893	399
	6	-	-	-	-
	7	-	-	-	-
	8	-	-	-	-
	9	-	-	-	-
	10	-	-	-	-
	11	-	-	-	-
	12	-	-	-	-

Hourly Average of Ancillary Services Required MW

year	DELIVERY_HOUR	ASMW_REGDN	ASMW_NSPIN	ASMW_RRS	ASMW_REGUP
2021	1	359	2,840	2,905	208
	2	277	2,849	2,905	195
	3	235	2,918	2,939	208
	4	198	2,896	2,940	234
	5	198	2,866	2,940	294
	6	256	2,797	2,940	438
	7	221	3,082	2,816	548
	8	259	3,161	2,816	352
	9	358	3,144	2,816	359
	10	377	3,119	2,816	428
	11	357	2,972	2,716	474
	12	330	2,977	2,716	478
	13	306	2,989	2,716	456
	14	342	3,012	2,745	420
	15	328	2,911	2,803	403
	16	313	2,929	2,803	397
	17	334	2,917	2,803	418
	18	352	2,914	2,803	446
	19	404	3,013	2,832	368
	20	358	3,038	2,832	278
	21	378	3,052	2,832	225
	22	455	3,073	2,803	205
	23	471	2,847	2,905	199
	24	428	2,853	2,905	182
2022	1	350	3,614	3,049	236
	2	275	3,614	3,049	224
	3	243	3,874	3,063	231
	4	217	3,873	3,064	264
	5	234	3,873	3,064	325
	6	328	3,873	3,064	455
	7	262	4,297	2,968	579
	8	326	4,300	2,968	368
	9	477	4,300	2,968	364
	10	515	4,300	2,968	430
	11	505	4,194	2,924	430
	12	430	4,201	2,924	445
	13	428	4,195	2,924	454
	14	409	4,195	2,924	435
	15	415	4,558	2,910	434
	16	407	4,558	2,910	461
	17	396	4,558	2,910	532
	18	384	4,558	2,910	554
	19	373	3,980	2,910	491
	20	347	3,980	2,910	375
	21	370	3,980	2,910	274
	22	429	3,973	2,910	266
	23	442	3,826	3,049	227
	24	398	3,826	3,049	197

Monthly Average Ancillary Services Price					
year	month	MCPC_REGDN	MCPC_NSPIN	MCPC_RRS	MCPC_REGUP
2021	1	\$ 9.98	\$ 2.16	\$ 11.85	\$ 14.31
	2	\$ 1,272.06	\$ 1,676.26	\$ 3,808.44	\$ 3,218.92
	3	\$ 28.66	\$ 3.93	\$ 30.23	\$ 23.61
	4	\$ 24.82	\$ 12.43	\$ 29.20	\$ 31.78
	5	\$ 25.78	\$ 3.45	\$ 20.49	\$ 19.60
	6	\$ 11.14	\$ 19.82	\$ 29.28	\$ 26.37
	7	\$ 6.66	\$ 20.88	\$ 19.92	\$ 19.94
	8	\$ 8.53	\$ 18.12	\$ 17.90	\$ 18.91
	9	\$ 9.89	\$ 15.91	\$ 18.39	\$ 19.54
	10	\$ 12.69	\$ 25.49	\$ 27.86	\$ 27.63
	11	\$ 14.74	\$ 14.39	\$ 20.28	\$ 19.93
	12	\$ 9.08	\$ 7.35	\$ 12.94	\$ 15.62
2022	1	\$ 6.15	\$ 5.07	\$ 8.39	\$ 11.56
	2	\$ 9.60	\$ 16.07	\$ 12.93	\$ 17.69
	3	\$ 17.94	\$ 12.43	\$ 18.67	\$ 22.69
	4	\$ 13.88	\$ 19.17	\$ 18.04	\$ 20.99
	5	\$ 18.03	\$ 51.85	\$ 31.29	\$ 38.71
	6	\$ -	\$ -	\$ -	\$ -
	7	\$ -	\$ -	\$ -	\$ -
	8	\$ -	\$ -	\$ -	\$ -
	9	\$ -	\$ -	\$ -	\$ -
	10	\$ -	\$ -	\$ -	\$ -
	11	\$ -	\$ -	\$ -	\$ -
	12	\$ -	\$ -	\$ -	\$ -

Monthly Average A/S Cost per MWh Load					
year	month	AScost_REGDN	AScost_NSPIIN	AScost_RRS	AScost_REGUP
2021	1	\$ 0.08	\$ 0.08	\$ 0.85	\$ 0.12
	2	\$ 10.56	\$ 62.11	\$ 265.95	\$ 27.81
	3	\$ 0.29	\$ 0.16	\$ 2.49	\$ 0.24
	4	\$ 0.23	\$ 0.49	\$ 2.29	\$ 0.32
	5	\$ 0.23	\$ 0.12	\$ 1.34	\$ 0.18
	6	\$ 0.07	\$ 0.58	\$ 1.44	\$ 0.17
	7	\$ 0.04	\$ 1.12	\$ 0.94	\$ 0.11
	8	\$ 0.05	\$ 1.25	\$ 0.81	\$ 0.11
	9	\$ 0.06	\$ 1.54	\$ 0.97	\$ 0.12
	10	\$ 0.09	\$ 2.83	\$ 1.85	\$ 0.21
	11	\$ 0.11	\$ 1.82	\$ 1.60	\$ 0.15
	12	\$ 0.06	\$ 0.89	\$ 0.94	\$ 0.11
2022	1	\$ 0.04	\$ 0.44	\$ 0.55	\$ 0.09
	2	\$ 0.08	\$ 1.47	\$ 0.82	\$ 0.14
	3	\$ 0.17	\$ 1.15	\$ 1.40	\$ 0.22
	4	\$ 0.12	\$ 1.82	\$ 1.27	\$ 0.18
	5	\$ 0.14	\$ 4.57	\$ 1.75	\$ 0.30
	6	\$ -	\$ -	\$ -	\$ -
	7	\$ -	\$ -	\$ -	\$ -
	8	\$ -	\$ -	\$ -	\$ -
	9	\$ -	\$ -	\$ -	\$ -
	10	\$ -	\$ -	\$ -	\$ -
	11	\$ -	\$ -	\$ -	\$ -
	12	\$ -	\$ -	\$ -	\$ -

ERCOT-wide Cumulative PNM			
year	month	pnm	pnm_accum
2021	0	\$ -	\$ -
	1	\$ 1,930.83	\$ 1,930.83
	2	\$ 705,718.36	\$ 707,649.19
	3	\$ 3,356.50	\$ 711,005.69
	4	\$ 19,870.21	\$ 730,875.90
	5	\$ 2,917.28	\$ 733,793.18
	6	\$ 10,048.24	\$ 743,841.42
	7	\$ 5,447.42	\$ 749,288.84
	8	\$ 3,062.97	\$ 752,351.81
	9	\$ 3,075.26	\$ 755,427.07
	10	\$ 5,596.65	\$ 761,023.72
	11	\$ 5,656.41	\$ 766,680.13
	12	\$ 2,293.71	\$ 768,973.84
2022	0	\$ -	\$ -
	1	\$ 2,245.58	\$ 2,245.58
	2	\$ 14,589.18	\$ 16,834.76
	3	\$ 4,492.68	\$ 21,327.44
	4	\$ 7,843.68	\$ 29,171.12
	5	\$ 25,120.79	\$ 54,291.91
	6	\$ -	\$ -
	7	\$ -	\$ -
	8	\$ -	\$ -
	9	\$ -	\$ -
	10	\$ -	\$ -
	11	\$ -	\$ -
	12	\$ -	\$ -

DA vs. RT Load Forecast Error by Hour Ending							
year	month	HE_1_4	HE_13_16	HE_17_20	HE_21_24	HE_5_8	HE_9_12
2021	1	58	(284)	(66)	(9)	302	(394)
	2	1,889	2,270	2,503	2,331	3,083	2,824
	3	(263)	440	452	119	(125)	(99)
	4	(349)	184	312	(233)	(428)	(384)
	5	(410)	(586)	(665)	(468)	(489)	(422)
	6	(663)	622	645	(158)	(535)	78
	7	(383)	971	950	302	(501)	530
	8	106	1,519	1,062	247	32	627
	9	26	1,548	410	113	172	1,049
	10	25	872	154	52	80	435
	11	(208)	36	77	(72)	(98)	(166)
	12	(568)	(297)	180	(395)	256	135
2022	1	(408)	171	670	86	190	25
	2	(1,031)	155	689	(222)	(62)	442
	3	(897)	(126)	(168)	(643)	(588)	(395)
	4	(946)	302	(321)	(854)	(1,173)	(532)
	5	(1,877)	992	(191)	(1,445)	(1,812)	(395)
	6	-	-	-	-	-	-
	7	-	-	-	-	-	-
	8	-	-	-	-	-	-
	9	-	-	-	-	-	-
	10	-	-	-	-	-	-
	11	-	-	-	-	-	-
	12	-	-	-	-	-	-

Monthly Average of Wind Generation by Hour Ending							
year	month	HE_1_4	HE_13_16	HE_17_20	HE_21_24	HE_5_8	HE_9_12
2021	1	11,491	9,270	9,037	10,939	11,606	10,274
	2	9,300	8,420	8,532	10,575	8,759	8,461
	3	15,685	12,889	13,380	15,467	14,598	13,338
	4	13,724	11,336	11,823	13,261	12,803	11,939
	5	13,861	10,718	12,533	14,784	11,494	10,984
	6	12,577	7,161	9,179	12,511	9,782	7,803
	7	9,833	5,215	7,223	9,405	7,174	5,318
	8	12,425	7,508	10,092	12,428	9,872	7,849
	9	13,114	6,136	7,634	12,472	10,567	7,265
	10	13,538	9,761	10,995	14,051	11,991	9,768
	11	14,149	9,423	10,265	13,841	13,372	10,657
	12	14,855	11,289	12,050	14,740	13,604	11,416
2022	1	13,020	9,623	9,868	12,555	13,127	10,415
	2	14,195	10,245	11,028	13,744	13,920	11,206
	3	16,027	13,581	13,844	15,591	16,250	14,236
	4	17,675	15,266	15,674	16,702	16,996	16,211
	5	19,060	14,380	16,476	18,635	17,225	15,650
	6	-	-	-	-	-	-
	7	-	-	-	-	-	-
	8	-	-	-	-	-	-
	9	-	-	-	-	-	-
	10	-	-	-	-	-	-
	11	-	-	-	-	-	-
	12	-	-	-	-	-	-

RT Congestion Constraint Rankings - Top 10 Constraints by Binding Frequency and Top 10 Constraints by Total Congestion Rent																
CATEGORY	YEAR	CONSTRAINT	RANKVAR	RANK	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
FREQ_EXIST	2022	NORTH EDINBURG LOBO GTC (NE_LOB)	13793	1	2040	2071	2855	2745	4082	0	0	0	0	0	0	0
FREQ_EXIST	2022	NELSON SHARPE RIO HONDO GTC (NELRIO)	10771	2	1256	755	2156	3044	3560	0	0	0	0	0	0	0
FREQ_EXIST	2022	BURNS_RIOHONDO_1 (RIOHONDO-MV_BURNS)	8063	3	280	592	2245	3279	1667	0	0	0	0	0	0	0
FREQ_EXIST	2022	WEST TEXAS EXPORT GTC (WESTEX)	6845	4	950	618	507	3167	1603	0	0	0	0	0	0	0
FREQ_EXIST	2022	LASPUL_RAYMND1_1 (LASPULGA-RAYMND2)	5969	5	40	125	1454	2258	2092	0	0	0	0	0	0	0
FREQ_EXIST	2022	KLNSW_XFMRS (KLNSW-KLNSW)	5847	6	752	745	2872	637	841	0	0	0	0	0	0	0
FREQ_EXIST	2022	G138_10B_1 (SEMINOLE-MAGNO_TN)	5409	7	120	226	703	3481	879	0	0	0	0	0	0	0
FREQ_EXIST	2022	HAMILT_MAVERI1_1 (HAMILTON-MAVERICK)	5199	8	162	376	1359	2048	1254	0	0	0	0	0	0	0
FREQ_EXIST	2022	PANHANDLE GTC (PNHNDL)	4804	9	182	230	18	2040	2334	0	0	0	0	0	0	0
FREQ_EXIST	2022	651_B (CMNSW-CMNTP)	4761	10	500	537	898	1982	844	0	0	0	0	0	0	0
TOP10_RENT	2022	WEST TEXAS EXPORT GTC (WESTEX)	\$ 178.44	1	\$ 17.32	\$ 8.97	\$ 6.98	\$ 88.01	\$ 57.18	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
TOP10_RENT	2022	JEWET-SNG LINES (JEWET-SNG)	\$ 136.29	2	\$ -	\$ -	\$ -	\$ 0.04	\$136.25	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
TOP10_RENT	2022	KLNSW_XFMRS (KLNSW-KLNSW)	\$ 98.24	3	\$ 7.00	\$ 7.77	\$ 43.13	\$ 7.47	\$ 32.88	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
TOP10_RENT	2022	CKT_3124_1 (STP-HLJ)	\$ 80.97	4	\$ -	\$ 15.25	\$ 17.63	\$ 1.28	\$ 46.80	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
TOP10_RENT	2022	NORTH TO HOUSTON GTC (N_TO_H)	\$ 73.66	5	\$ -	\$ -	\$ -	\$ 0.61	\$ 73.04	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
TOP10_RENT	2022	NORTH EDINBURG LOBO GTC (NE_LOB)	\$ 64.53	6	\$ 6.50	\$ 5.42	\$ 12.38	\$ 12.92	\$ 27.32	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
TOP10_RENT	2022	6125_C (MSTLT-HMPHL)	\$ 41.27	7	\$ 23.80	\$ 17.47	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
TOP10_RENT	2022	PANHANDLE GTC (PNHNDL)	\$ 37.60	8	\$ 0.52	\$ 0.94	\$ 0.08	\$ 12.75	\$ 23.31	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
TOP10_RENT	2022	G138_10B_1 (SEMINOLE-MAGNO_TN)	\$ 37.16	9	\$ 0.18	\$ 0.55	\$ 2.94	\$ 21.21	\$ 12.27	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
TOP10_RENT	2022	6462_C (MCNSW-MKNGB)	\$ 33.15	10	\$ -	\$ -	\$ -	\$ 0.49	\$ 32.66	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -

MONTH	RENT TOTAL
1	108.54
2	131.29
3	237.76
4	382.41
5	701.20
6	0.00
7	0.00
8	0.00
9	0.00
10	0.00
11	0.00
12	0.00
Sum-Total	1561.20

Top 10 CRR Pairs Ranked by Monthly Auction Values - Top 10 PTP Obligations by Total Transaction Values and Top 10 PTP Options by Total Transaction Values																	
fr_option	year	pair	total_value	rank	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	
N	2022	HB NORTH-HB HOUSTON	\$ 26.36	1	\$ 0.29	\$ 0.41	\$ 2.10	\$ 2.13	\$ 6.34	\$ 15.09	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
N	2022	HB WEST-HB NORTH	\$ 18.85	2	\$ 0.39	\$ 1.23	\$ 0.97	\$ 3.67	\$ 7.02	\$ 5.58	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
N	2022	HB WEST-LZ WEST	\$ 18.50	3	\$ 1.74	\$ 1.33	\$ 1.83	\$ 2.21	\$ 4.74	\$ 6.66	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
N	2022	HB SOUTH-LZ SOUTH	\$ 8.32	4	\$ 1.15	\$ 0.60	\$ 0.97	\$ 1.71	\$ 1.20	\$ 2.70	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
N	2022	HB HOUSTON-LZ HOUSTON	\$ 7.38	5	\$ 0.37	\$ 0.38	\$ 0.65	\$ 0.99	\$ 2.25	\$ 2.74	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
N	2022	HB NORTH-LZ NORTH	\$ 6.38	6	\$ 0.59	\$ 0.69	\$ 0.89	\$ 0.73	\$ 1.20	\$ 2.28	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
N	2022	HB SOUTH-HB NORTH	\$ 4.32	7	\$ 0.28	\$ 0.29	\$ 0.29	\$ 2.21	\$ 0.45	\$ 0.81	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
N	2022	CPSES_UNIT2-HB NORTH	\$ 3.34	8	\$ 0.69	\$ 0.55	\$ 0.31	\$ 1.01	\$ 0.45	\$ 0.33	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
N	2022	HB SOUTH-LZ AEN	\$ 2.93	9	\$ -	\$ -	\$ -	\$ -	\$ 0.30	\$ 2.63	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
N	2022	COL_COLETG1-HB SOUTH	\$ 2.71	10	\$ 0.55	\$ 0.70	\$ 0.52	\$ 0.58	\$ 0.24	\$ 0.11	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
Y	2022	ANCHOR_ALL-JCKCNTY2_CT3	\$ 3.25	1	\$ -	\$ -	\$ 0.35	\$ 0.00	\$ 0.99	\$ 1.91	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
Y	2022	HB SOUTH-LZ SOUTH	\$ 3.14	2	\$ 0.24	\$ 0.25	\$ 0.44	\$ 0.69	\$ 0.61	\$ 0.92	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
Y	2022	HB WEST-LZ WEST	\$ 3.07	3	\$ 0.19	\$ 0.22	\$ 0.21	\$ 0.31	\$ 0.95	\$ 1.20	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
Y	2022	HB WEST-HB NORTH	\$ 2.68	4	\$ 0.43	\$ 0.47	\$ 0.15	\$ 0.22	\$ 0.55	\$ 0.86	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
Y	2022	HB NORTH-LZ NORTH	\$ 2.16	5	\$ 0.70	\$ 0.16	\$ 0.09	\$ 0.25	\$ 0.29	\$ 0.66	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
Y	2022	TORR_ALL-HB SOUTH	\$ 2.02	6	\$ 0.52	\$ 0.53	\$ 0.32	\$ 0.00	\$ 0.29	\$ 0.37	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
Y	2022	EL_RAYO_ALL-HB SOUTH	\$ 1.78	7	\$ 0.22	\$ 0.24	\$ 0.39	\$ 0.37	\$ 0.20	\$ 0.36	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
Y	2022	HB HOUSTON-LZ HOUSTON	\$ 1.64	8	\$ 0.03	\$ 0.04	\$ 0.21	\$ 0.26	\$ 0.27	\$ 0.83	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
Y	2022	SSPURT_WIND1-LZ SOUTH	\$ 1.56	9	\$ 0.03	\$ -	\$ 0.43	\$ 0.57	\$ 0.52	\$ 0.02	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
Y	2022	SENATEWD_1-JCKCNTY2_ST2	\$ 1.33	10	\$ 0.11	\$ 0.16	\$ 0.19	\$ 0.42	\$ 0.40	\$ 0.06	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	